Literature Cited

Abdala V, Manzano AS, Nieto L, Diogo R. 2009. Comparative myology of Leiosauridae (Squamata) and its bearing on their phylogenetic relationships. *Belgian Journal of Zoology* 139: 109–123. **[4]**

Abts MA. 1987. Environment and variation in life history traits of the chuckwalla. *Ecological Monographs* 57: 215–232. **[16]**

Adalsteinsson SA, Branch WR, Trape S, Vitt LJ, Hedges SB. 2009. Molecular phylogeny, classification, and biogeography of snakes of the family Leptotyphlopidae (Reptilia, Squamata). *Zootaxa* 2244: 1–50. **[4]**

Adams MJ. 1993. Summer nests of the tailed frog (*Ascaphus truei*) from the Oregon coast range. *Northwestern Naturalist* 74: 15–18. **[3]**

Ade CM, Boone MD, Puglis HJ. 2010. Effects of an insecticide and potential predators on green frogs and northern cricket frogs. *Journal of Herpetology* 44: 591–600. **[17]**

Adkins-Regan E, Reeve HK. 2014. Sexual dimorphism in body size and the origin of sex-determination systems. *American Naturalist* 183: 519–536. **[9]**

Aerts P, Van Damme R, D'Août K, Van Hooydonck B. 2003. Bipedalism in lizards: Whole-body modelling reveals a possible spandrel. *Philosophical Transactions of the Royal Society London B* 358: 1525–1533. **[10]**

Afacan NJ, Yeung ATY, Pena OM, Hancock REW. 2012. Therapeutic potential of host defense peptides in antibiotic-resistant infections. *Current Pharmaceutical Design* 18: 807–819. **[1]**

Agarwal I, Dutta-Roy A, Bauer AM, Giri VB. 2012. Rediscovery of *Geckoella jeyporensis* (Squamata: Gekkonidae), with notes on morphology, coloration and habitat. *Hamadryad* 36: 17–24 **[17]**

Agassiz L. 1857. *Contributions to the Natural History of the United States of America, Vol. 1*, pp. 282–284. Little, Brown and Co., Boston. www.geology.19thcenturyscience.org/books/1857-Agassiz-NatHist/Vols-I-II/htm/doc.html **[7]**

Aguilar C, Pacheco V. 2005. Contribución de la morfología bucofaríngea larval a la filogenia de *Batrachophrynus* y *Telmatobius*. Estudios sobre las ranas andinas de los géneros *Telmatobius* y *Batrachophrynus* (Anura: Leptodactylidae). *Monografías de Herpetología* 7: 219–238. **[3]**

Aguilar C. Valencia N. 2009. Relaciones filogenéticas entre telmatobiinidos (Anura, Ceratophryidae, Telmatobiinae) de los Andes centrales basado en la morfología de los estados larval y adultos. *Revista Peruana de Biología* 16: 43–50. **[3]**

Agundey I. 1997. Predator of the naked mole rat *Heterocephalus glaber*. *East Africa Natural History Society Bulletin* 27: 10. **[4]**

Akani GC, Luiselli L. 2001. Ecological studies on a population of the water snake *Grayia smythii* in a rainforest swamp of the Niger Delta, Nigeria. *Contributions to Zoology* 70: 139–146. **[4]**

Akcali CK, Pfenning DW. 2014. Rapid evolution of mimicry following local model extinction. *Biology Letters* 10: 20140304. doi: 10.1098/rsbl.2014.0304. **[15]**

Alberch P. 1981. Convergence and parallelism in foot morphology in the Neotropical salamander genus *Bolitoglossa* I. Function. *Evolution* 35: 84–100. **[10]**

Alberch P, Alberch J. 1981. Heterochronic mechanisms of morphological diversification and evolutionary change in the Neotropical salamander *Bolitoglossa occidentalis* (Amphibia: Plethodontidae). *Journal of Morphology* 167: 249–264. **[10]**

Albert EM, Zardoya R, García-París M. 2007. Phylogeographical and speciation patterns in subterranean worm lizards of the genus *Blanus* (Amphisbaenia: Blanidae). *Molecular Ecology* 16: 1519–1531. **[4]**

Alberts AC. 1993. Chemical and behavioral studies of femoral gland secretions in iguanid lizards. *Brain Behavior and Evolution* 41: 255–260. **[13]**

Alberts AC, 1989. Ultraviolet sensitivity in desert iguanas: Implications for pheromone detection. *Animal Behaviour* 38: 129–137. **[13]**

Alberts AC, Rostal DC, Lance VA. 1994. Studies on the chemistry and social significance of chin gland secretions of the desert tortoise, *Gopherus agassizii*. *Herpetological Monographs* 8: 116–124. **[13]**

Albino AM. 1996. The South American fossil Squamata (Reptilia: Lepidosauria). *Münchner Geowissenschaftliche Abhandlungen A* (*Geologie und Paläontologie*) 30: 185–202. **[4]**

Alcala AC, Brown WC. 1982. Reproductive biology of some species of *Philautus* (Rhacophoridae) and other Philippine anurans. *Kalikasan, The Philippine Journal of Biology* 11: 203–226. **[3]**

Aldridge, RD, Duvall D. 2002. Evolution of the mating season in the pit vipers of North America. *Herpetological Monographs* 16: 1–25. **[9]**

Alfaro ME, Arnold SJ 2001. Molecular systematics and evolution of *Regina* and the thamnophiine snakes. *Molecular Phylogenetics and Evolution* 21: 408-423. **[4]**

Alfaro ME, Karns DR, Voris HK, Brock CD, Stuart BL. 2008. Phylogeny, evolutionary history, and biogeography of Oriental-Australian rear-fanged water snakes (Colubroidea: Homalopsidae) inferred from mitochondrial and nuclear DNA sequences. *Molecular Phylogenetics and Evolution* 46: 576–593. **[4]**

Alföldi J, Di Palma F, Grabherr M, Williams C, Kong L, Mauceli E, Lindblad-Toh K. 2011. The genome of the green anole lizard and a comparative analysis with birds and mammals. *Nature* 477: 587–591. **[4]**

Alford RA. 1999. Ecology. *In* McDiarmid RW, Altig R (eds.). *Tadpoles: The Biology of Anuran Larvae*, pp. 240–278. University of Chicago Press, Chicago IL. **[8, 16]**

Alibardi L. 1998. Presence of acid phosphatase in the epidermis of the regenerating tail of the lizard (*Podarcis muralis*) and its possible role in the process of shedding and keratinization. *Journal of Zoology* 246: 379–390. **[4]**

Alibardi L. 2005. Proliferation in the epidermis of chelonians and growth of the horny scutes. *Journal of Morphology* 265: 52–69. **[4]**

Alibardi L, Minelli D. 2015. Sites of cell proliferation during scutemorphogenesis in turtle and alligator are different from those of lepidosaurian scales. *Acta Zoologica*, DOI 10.1111/azo.12114. **[4]**

Allentoft ME, O'Brien J. 2010. Global amphibian declines, loss of genetic diversity and fitness: A review. *Diversity* 2: 47–71. **[1]**

Altherr S, Goyenechea A, Schubert D. 2011. *Canapés to Extinction: The International Trade in Frogs' Legs and its Ecological Impact.* A report by Pro Wildlife, Defenders of Wildlife, and Animal Welfare Institute, Munich (Germany) and Washington DC (USA). **[17]**

Altig R, McDiarmid RW. 2007. Morphological diversity and evolution of egg and clutch structure in amphibians. *Herpetological Monographs* 27: 1–32. **[8]**

Amarasinghe AT, Hallerman J, Sidik I, Campbell PD, Supriatna J, Ineich I. 2015. Two new species of the genus *Cylindrophis* Wagler, 1828 (Squamata: Cylindrophiidae) from Southeast Asia. *Amphibian and Reptile Conservation* 9: 34–51. **[4]**

Amaro RC, Pavan D, Rodrigues MT. 2009. On the generic identity of *Odontophrynus moratoi* Jim Caramaschi 1980 (Anura, Cycloramphidae). *Zootaxa* 2071: 1–61. **[3]**

Amat, F, Wollenberg KC, Vences M. 2013. Correlates of eye colour and pattern in mantellid frogs. *Salamandra* 49: 7–17. **[3]**

Amemiya F, Nakano M, Goris RC, Kadota T, Atobe Y, Funakoshi K, Hiniya K, et al. 1999. Microvasculature of crotaline snake pit organs: Possible function as a heat exchange mechanism. *The Anatomical Record* 254: 107–115. **[4]**

Amer SA, Kumazawa Y. 2005. Mitochondrial DNA sequences of the Afro-Arabian spiny-tailed lizards (genus *Uromastyx*; family Agamidae): Phylogenetic analyses and evolution of gene arrangements. *Biological Journal of the Linnean Society* 85: 247–260. **[5]**

American Pet Products Association. 2013. www.americanpetproducts.org/press_industrytrends.asp. **[17]**

Amiel JJ, Lindström, Shine R. 2013. Egg incubation effects generate positive correlations between size, speed and learning ability in young lizards. *Animal Cognition* 17: 337–347 doi: 10.1007/s10071-013-0665–4. **[15]**

Amiel JJ, Shine R. 2012. Hotter nests produce smarter young lizards. *Biology Letters* 8: 372–374. **[9, 15]**

Amorim JDCG de, Travnik I, De Sousa BM. 2015. Simplified three-dimensional model provides anatomical insights in lizards' caudal autotomy as printed illustration. *Anais da Academia Brasileira de Ciências* 87: 63–70. **[4]**

Ancona S, Drummond H, Zaldívar-Rae J. 2010. Male whiptail lizards adjust energetically costly mate guarding to male-male competition and female reproductive value. *Animal Behaviour* 79: 75–82. **[14]**

Anderson CV, Deban SM. 2012. Thermal effects on motor control and *in vitro* muscle dynamics of the ballistic tongue apparatus in chameleons. *Journal of Experimental Biology* 215: 4345–4357. **[11]**

Anderson CV, Larghi NP, Deban SM. 2014. Thermal effects on the performance, motor control and muscle dynamics of ballistic feeding in the salamander *Eurycea guttolineata. Journal of Experimental Biology* 217: 3146–3158. **[11]**

Anderson JS. 2001. The phylogenetic trunk: maximal inclusion of taxa with missing data in an analysis of the Lepospondyli (Vertebrata, Tetrapoda). *Systematic Biology* 50: 170–193. **[2]**

Anderson JS. 2008. Focal review: The origin(s) of modern amphibians. *Evolutionary Biology* 35: 231–247. **[2]**

Anderson JS, Reisz RR, Scott D, Fröbisch NB, Sumida SS. 2008. A stem batrachian from the Early Permian of Texas and the origin of frogs and salamanders. *Nature* 453: 515–518. **[2]**

Anderson RA. 1993. An analysis of foraging in the lizard, *Cnemidophorus tigris*. *In* Wright JW, Vitt LJ (eds.). *Biology of Whiptail Lizards (Genus Cnemidophorus)*, pp. 83–116. Oklahoma Museum of Natural History, Norman, OK. **[12]**

Andersson M. 1994. *Sexual Selection*. Princeton University Press, Princeton, NJ. **[14]**

Andrade DV, Cruz-Neto AP, Abe AS, Wang T. 2005. Specific dynamic action in ectothermic vertebrates: A review of the determinants of postprandial metabolic response in fishes, amphibians, and reptiles. *In* Starck JM, Wang T (eds.). *Physiological and Ecological Adaptations to Feeding in Vertebrates*, pp. 305–324. Science Publishers, Enfield, NH. **[6]**

Andrén C. 1986. Courtship, mating and agonistic behaviour in a free-living population of adders, *Vipera berus* (L.). *Amphibia-Reptilia* 7: 353–383. **[4]**

Andreone, F, Bergò PE, Mercurio, V, Rosa GM. 2013. Spatial ecology of *Scaphiophryne gottlebei* in the Canyons of the Isalo Massif, Madagascar. *Herpetologica* 69: 11–21. **[12]**

Andrew AL, Card DC, Ruggiero RP, Schield DR, Adams RH, Pollock DD, Secor SM, Castoe TA. 2015. Rapid changes in gene expression direct rapid shifts in intestinal form and function in the Burmese python after feeding. *Physiological Genomics* 47: 147–157. **[11]**

Andrews RM. 1979. The lizard *Corytophanes cristatus:* An extreme "sit-and-wait" predator. *Biotropica* 11: 136–139. **[15]**

Andrews RM. 1988. Demographic correlates of variable egg survival for a tropical lizard. *Oecologia* 76: 376–382. **[9, 15, 16]**

Andrews RM. 1991. Population stability of a tropical lizard. *Ecology* 72: 1204–1217. **[16]**

Andrews RM. 2004. Embryonic development. *In* Deeming DC (ed.) *Reptilian Incubation: Environment, Evolution and Behaviour*, pp. 75–102. Nottingham University Press, Nottingham, UK. **[9]**

Andrews RM, Brandley MC, Greene VW. 2013. Developmental sequences of squamate reptiles are taxon-specific. *Evolution and Development* 15: 326–343. **[9]**

Andrews RM, Díaz-Paniagua C, Marco A, Portheault A. 2008. Developmental arrest during embryonic development of the common chameleon *(Chamaeleo chamaeleon*) in Spain. *Physiological and Biochemical Zoology* 81: 336–344. **[9]**

Andrews RM, Karsten KB. 2010. Evolutionary innovations of squamate reproductive and developmental biology in the family Chamaeleonidae. *Biological Journal of the Linnean Society* 100: 656–668. **[9]**

Andrews RM, Mathies T. 2000. Natural history of reptilian development: Constraints on the evolution of viviparity. *Bioscience* 50: 227–238. **[9]**

Andrews RM, Méndez de la Cruz FR, Villagrán Santa Cruz M. 1997. Body temperatures of female *Sceloporus grammicus*: Thermal stress or impaired mobility. *Copeia* 1997: 108–115. **[15]**

Andrews RM, Nichols JD. 1990. Temporal and spatial variation in survival rates of the tropical lizard *Anolis limifrons*. *Oikos*. 57: 215–221. **[9, 16]**

Andrews RM, Pough FH, Collazo A, de Quieroz A. 1987. The ecological cost of morphological specialization: Feeding by a fossorial lizard. *Oecologia* 73: 139–145. **[7]**

Andrews RM, Pough FH. 1985. Metabolism of squamate reptiles: Allometric and ecological relationships. *Physiological Zoology* 58: 214–231. **[7]**

Andrews RM, Rand AS. 1983. Limited dispersal of juvenile *Anolis limifrons*. *Copeia* 1983: 429–434. **[12]**

Angelici FM, Inyang MA, Effah C, Luiselli L. 2000. Analysis of activity patterns and habitat use of radiotracked African burrowing pythons, *Calabaria reinhardtii*. *Israel Journal of Zoology* 46: 131–141. **[4]**

Angilletta MJ. 2009. *Thermal Adaptation: A Theoretical and Empirical Synthesis*. Oxford University Press, Oxford. **[6]**

Anguilera WT, Málaga J, Gibbs JP. 2015. Conservation: Giant tortoises hatch on Galápagos island. *Nature* 517: 271. **[17]**

Angulo A, Cocroft RB, Reichle S. 2003. Species identity in the genus *Adenomera* (Anura: Leptodactylidae) in southeastern Peru. *Herpetologica* 59: 490–504. **[3]**

Anholt BR, Negovetic S, Rauter C, Som, C. 2005. Predator complement determines the relative success of tadpoles of the *Rana esculenta* complex. *Evolutionary Ecology Research* 7: 733–741. **[8]**

AnimalResearch.Info. 2014. www.animalresearch.info. Accessed 13 December 2014. **[17]**

Anquetin J. 2012. Reassessment of the phylogenetic interrelationships of basal turtles (Testudinata). *Journal of Systematic Palaeontology* 10: 3–45. **[4]**

Anstis M, Roberts JD, Altig R. 2007. Direct development in two myobatrachid frogs, *Arenophryne rotunda* Tyler and *Myobatrachus gouldii* Gray, from Western Australia. *Records of the Western Australian Museum* 23: 259. **[3]**

Anthony J, Guibé J. 1952. Les affinités anatomiques de Bolyeria et de Casarea (Boidés). *Mémoires de l'Institut Scientifique de Madagascar ser. A.* 12: 189–201. **[4]**

Anzalone CR, Kats LB, Gordon MS. 1998. Effects of solar UV-B radiation on embryonic development in *Hyla cadaverina*, *Hyla regilla*, and *Taricha torosa*. *Conservation Biology* 12: 646–653. **[17]**

Apesteguía S, Novas FE. 2003. Large Cretaceous sphenodontian from Patagonia provides insight into lepidosaur evolution in Gondwana. *Nature* 425: 609–612. **[4]**

Aragón P, López P, Martín J. 2001. Discrimination of femoral glad secretions from familiar and unfamiliar conspecifics by male Iberian rock lizards, *Lacerta monticola*. *Journal of Herpetology* 35: 346–350. **[13]**

Aragón P, Meylan S, Clobert J. 2006. Dispersal status-dependent response to the social environment in the common lizard, *Lacerta vivipara*. *Functional Ecology* 20: 900–907. **[12]**

Arak A. 1988. Callers and satellites in the natterjack toad: Evolutionarily stable decision rules. *Animal Behaviour* 36: 416–432. **[14]**

Araújo MB, Pearson RG. 2005. Equilibrium of species' distributions with climate. *Ecography* 28: 693–695. **[16]**

Arch VS, Grafe TU, Gridi-Papp M, Narins PM. 2009. Pure ultrasonic communication in an endemic Bornean frog. *PLoS One* 4: e5413. doi: 10.1371/journal.pone.0005413. **[13]**

Arch VS, Grafe TU, Narins PM. 2008. Ultrasonic signalling by a Bornean frog. *Biology Letters* 4: 19–22. **[3]**

Aresco MJ. 2001. Natural history notes: *Siren lacertina* (greater siren) aestivation chamber. *Herpetological Review* 32: 32–33. **[3]**

Arifin U, Iskandar DT, Bickford DP, Brown, RM, Meier, R, Kutty, SN. 2011. Phylogenetic relationships within the genus *Staurois* (Anura, Ranidae) based on 16S rRNA sequences. *Zootaxa* 2744: 39–52. **[3]**

Arnold EN. 1979. Indian Ocean giant tortoises: Their systematics and island adaptations. *Philosophical Transactions of the Royal Society London B* 286: 127–145. **[4]**

Arnold EN. 1986. Mite pockets of lizards: A possible means of reducing damage by ectoparasites. *Biological Journal of the Linnean Society* 29: 1–21. **[15]**

Arnold EN. 1998. Cranial kinesis in lizards: Variations, uses, and origins. *Evolutionary Biology* 30: 323–357. **[11]**

Arnold EN 1984a. Evolutionary aspects of tail shedding in lizards and their relatives. *Journal of Natural History*. 18: 127–169. **[4]**

Arnold EN 1984b. Variation in the cloacal and hemipenial muscles of lizards and its bearing on their relationships. *Symposia of the Zoological Society of London* 52: 47–85. **[4]**

Arnold EN 1989. Towards a phylogeny and biogeography of the Lacertidae: Relationships within an Old-World family of lizards derived from morphology. *Bulletin of the British Museum* (*Natural History*) 55: 209–257. **[4]**

Arnold EN 1995. Identifying the effects of history on adaptation: origins of different sand-diving techniques in lizards. *Journal of Zoology* 235: 351–388. **[4]**

Arnold EN, Arribas Ó, Carranza S. 2007. Systematics of the Palaearctic and Oriental lizard tribe Lacertini (Squamata: Lacertidae: Lacertinae), with descriptions of eight new genera. *Zootaxa* 1430: 1–86. **[4]**

Arnold EN, Robinson MD, Carranza S, 2009. A preliminary analysis of phylogenetic relationships and biogeography of the dangerously venomous carpet vipers, *Echis* (Squamata, Serpentes, Viperidae) based on mitochondrial DNA sequences. *Amphibia-Reptilia* 30: 273–282. **[5]**

Arnold SJ. 1976. Sexual behavior, sexual interference and sexual defense in the salamanders *Ambystoma maculatum*, *Ambystoma tigrinum*, and *Plethodon jordani*. *Zeitschrift für Tierpsychologie* 42: 247–300. **[13, 14]**

Arnold SJ. 1982. A quantitative approach to antipredator performance: Salamander defense against snake attack. *Copeia* 1982: 247–253. **[15]**

Arnold SJ, Duvall D. 1994. Animal mating systems: A synthesis based on selection theory. *American Naturalist* 143: 317–348. **[14]**

Ashley-Ross MA, Bechtel BF. 2004. Kinematics of the transition between aquatic and terrestrial locomotion in the newt *Taricha torosa*. *Journal of Experimental Biology* 207: 461–474. **[10]**

Astley HC, Jayne BC. 2009. Arboreal habitat structure affects the performance and modes of locomotion of corn snakes (*Elaphe guttata*). *Journal of Experimental Zoology* 311A: 207–216. **[10]**

Astley HC, Roberts TJ. 2012. Evidence for a vertebrate catapult: Elastic energy storage in the plantaris tendon during frog jumping. *Biology Letters* 8: 386–389. **[10]**

Auffenberg W. 1963. A note on the drinking habits of some land tortoises. *Animal Behaviour* 11: 72–73. **[6]**

Auffenberg W. 1965. Sex and species discrimination in two sympatric South American tortoises. *Copeia* 1965: 335–342. **[13]**

Auffenberg W. 1977. Display behavior in tortoises. *American Zoologist* 17: 241–250. **[13, 14]**

Auffenberg W. 1981. *The Behavioral Ecology of the Komodo Monitor*. University Presses of Florida, Gainesville. **[10, 12, 13]**

Auffenberg W. 1982. Feeding strategy of the Caicos ground iguana, *Cyclura carinata*. *In* Burghardt GM, Rand AS (eds.). *Iguanas of the World*, pp. 84–116. Noyes Publications, Park Ridge, NJ. **[12]**

Auffenberg W. 1988. *Gray's Monitor Lizard*. University Presses of Florida, Gainesville. **[11,12]**

Austin CC. 1999. Lizards took express train to Polynesia. *Nature* 397: 113–114. **[5]**

Austin JD, Lougheed SC, Tanner K, Chek AA, Bogart JP, Boag PT. 2002. A molecular perspective on the evolutionary affinities of an enigmatic neotropical frog, *Allophryne ruthveni*. *Zoological Journal of the Linnean Society* 134: 335–346. **[3]**

Autumn K, Dittmore A, Santos D, Spenko M, Cutkosky M. 2006. Frictional adhesion: A new angle on gecko attachment. *Journal of Experimental Biology* 209: 3569–3579. **[10]**

Autumn K, Liang YA, Hsieh ST, Zesch W, Chan WP, Kenny TW, Fearing R, Full RJ. 2000. Adhesive force of a single gecko foot-hair. *Nature* 405: 681–685. **[10]**

Autumn K, Niewiarowski PH, and Puthoff JB. 2014. Gecko adhesion as a model system for integrative biology, interdisciplinary science, and bioinspired engineering. *Annual Review of Ecology, Evolution, and Systematics* 45: 445–470. **[10]**

Autumn K, Sitti M, Liang YA, Peattie AM, Hansen WR, Sponberg S, Kenny TW, Fearing R, Israelachvili JN, Full RJ. 2002. Evidence for van der Waals adhesion in gecko setae. *Proceedings of the National Academy of Sciences USA* 99: 12252–12256. **[10]**

Avery RA. 1982. Field studies of body temperatures and thermoregulation. *In* Gans C, Pough FH (eds.). *Biology of the Reptilia, Vol. 12: Physiology C, Physiological Ecology*, pp. 93–166. Academic Press, London. **[6]**

Ayres JM. 1989. Debt-for-equity swaps and the conservation of tropical rain forests. *Trends in Ecology and Evolution* 4: 331–332. ***[17]***

Azevedo-Ramos C, Magnesson WE, Bayliss P. 1999. Predation as the key factor structuring tadpole assemblages in a savanna area in central Amazonia. *Copeia* 1999: 22–33. **[16]**

Babonis LS, Brischoux F. 2012. Perspectives on the convergent evolution of tetrapod salt glands. *Integrative and Comparative Biology* 52: 245–256. **[6]**

Bachmeyer H, Michl H, Roos B. 1967. Chemistry of cytotoxic substances in amphibian toxins.*In* Russel FE, Saunders PR (eds.). *Animal Toxins*, pp. 395–399. Pergamon Press, Oxford. **[3]**

Báez AM. 1996. The fossil record of the Pipidae. *In* Tinsley RC, Kobel HR (eds.). *The Biology of Xenopus*, pp. 329–347. Clarendon Press, Oxford. **[3]**

Báez AM, Basso NG. 1996. The earliest known frogs of the Jurassic of South America: Review and cladistic appraisal of their relationships. *Münchner Geowissenschaftliche Abhandlungen 30 A, Geologie und Paläontologie*: 131–158. **[3]**

Báez AM, Trueb L, Calvo JO. 2000. The earliest known pipoid frog from South America: A new genus from the middle Cretaceous of Argentina. *Journal of Vertebrate Paleontology* 20: 490–500. **[3]**

Baffico GD, Úbeda CA. 2006. Larval diet of the frog *Alsodes gargola* (Leptodactylidae: Telmatobiinae) and some ecological considerations on its role in alpine and mountain aquatic environments in Patagonia. *Amphibia-Reptilia* 27: 161–168. **[3]**

Bagnara JT, Hadley ME, Taylor JD. 1969. Regulation of bright-colored pigmentation of amphibians. *General and Comparative Endocrinology* 2: 425–438. **[3]**

Bagnara JT, Hadley ME. 1969. The control of bright colored pigment cells of fishes and amphibians. *American Zoologist* 9: 465–478. **[3]**

Baird TA. 2013. Lizards and other reptiles as model systems for the study of contest behaviour. *In* Briffa M, Hardy ICW (eds.). *Animal Contests*, pp. 258–286. Cambridge University Press, Cambridge. **[1]**

Baird TA. 2013. Male collard lizards, *Crotaphytus collaris* (Sauria: Crotaphytidae), signal females by broadcasting visual displays. *Biological Journal of the Linnean Society* 108: 636–646. **[13]**

Baird TA, Timanus DK. 1998. Social inhibition of territorial behaviour in yearling male collared lizards, *Crotaphytus collaris*. *Animal Behaviour* 56: 989–994. **[12, 14]**

Bajer K, Molnár O, Török J, Herczeg G. 2010. Female European green lizards (*Lacerta viridis*) prefer males with high ultraviolet throat reflectance. *Behavioral Ecology and Sociobiology* 64: 2007–2014. **[13, 14]**

Bajer K, Molnár O, Török J, Herczeg G. 2011. Ultraviolet nuptial colour determines fighting success in male European green lizards (*Lacerta viridis*). *Biology Letters* 7: 866–868. **[13]**

Baker JMR, Halliday TR. 1999. Amphibian colonization of new ponds in an agricultural landscape. *Herpetological Journal* 9: 55–63. **[12]**

Baker JR. 1947. The seasons in a tropical rainforest. Part 6. Lizards (*Emoia*). *Journal of the Linnean Society, Zoology* 41: 243–258. **[9]**

Baker LA, White FN. 1970. Redistribution of cardiac output in response to heating in *Iguana iguana*. *Comparative Biochemistry and Physiology* 35: 253–262. **[7]**

Baker RA, Gawne TJ, Loop MS, Pullman S. 2007. Visual acuity of the midland banded water snake estimated from evoked telencephalic potentials. *Journal of Comparative Physiology A* 193: 865–870. **[4]**

Baker RE, Gillingham JC. 1983. An analysis of courtship behavior in Blanding's turtle, *Emydoidea blandingi*. *Herpetologica* 39: 166–173. **[13]**

Baláž, V and 12 others. 2014. Assessing risk and guidance on monitoring of *Batrachochytrium dendrobatidis* in Europe through identification of taxonomic selectivity of infection. *Conservation Biology* 28: 213–223. **[17]**

Baldwin J, Gyuris E, Mortimer K, Patak A. 1989. Anaerobic metabolism during dispersal of green and loggerhead turtle hatchlings. *Comparative Biochemistry and Physiology A* 94: 663–665. **[7]**

Balinsky JB. 1981. Adaptation of nitrogen metabolism to hyperosmotic environment in amphibia. *Journal of Experimental Zoology* 215: 335–350. **[6]**

Ballinger RE, Congdon JD. 1996. Status of the bunch grass lizard, *Sceloporus scalaris*, in the Chiricahua mountains of southeastern Arizona. *Bulletin of the Maryland Herpetological Societ*y 32: 67–69. **[17]**

Balshine S. 2012. Patterns of parental care in vertebrates. *In* Royle NJ, Smiseth PT, Kölliker M (eds.). *The Evolution of Parental Care*, pp. 62–80. Oxford University Press, Oxford. **[8]**

Bancroft BA, Baker NJ, Blaustein AR. 2008. A meta-analysis of the effect of ultraviolet radiation and its synergistic interactions with pH, contaminants, and disease on amphibian survival. *Conservation Biology* 22: 987–996. **[17]**

Banks B, Beebee TJC. 1987. Factors influencing breeding site choice by the pioneering amphibian *Bufo calamita*. *Holarctic Ecology* 10: 14–21. **[12]**

Barahona F, Evans SE, Mateo JA, García-Márquez M, López-Jurado LF. 2000. Endemism, gigantism and extinction in island lizards: The genus *Gallotia* on the Canary Islands. *Journal of Zoology* 250: 373–388. **[5]**

Barbeau TR, Lillywhite HB. 2005. Body wiping behaviors associated with cutaneous lipids in hylid tree frogs of Florida. *Journal of Experimental Biology* 208: 2147–2156. **[6]**

Barej MF, Rödel MO, Gonwouo NL, Pauwels OS, Böhme W, Schmitz A. 2010. Review of the genus *Petropedetes* Reichenow, 1874 in Central Africa with the description of three new species (Amphibia, Anura, Petropedetidae). *Zootaxa* 2340: 1–49. **[3]**

Barej MF, Rödel MO, Loader SP, Menegon M, Gonwouo NL, Penner J, Schmitz A. 2014. Light shines through the spindrift: Phylogeny of African torrent frogs (Amphibia, Anura, Petropedetidae). *Molecular Phylogenetics and Evolution* 71: 261–273. **[3]**

Barker DG, Barker TM, Davis MA, Schuett GW. 2015. A review of the systematics and taxonomy of Pythonidae: An ancient serpent lineage. *Zoological Journal of the Linnean Society*. DOI: 10.1111/zoj.12267. **[4]**

Barley AJ, Spinks PQ, Thomson RC, Shaffer HB. 2010. Fourteen nuclear genes provide phylogenetic resolution for difficult nodes in the turtle tree of life. *Molecular Phylogenetics and Evolution* 55: 1189–1194. **[4]**

Barnes, WJP, Oines C, Smith JM. 2006. Whole animal measurements of shear and adhesive forces in adult tree frogs: Insights into underlying mechanisms of adhesion obtained from studying the effects of size and scale. *Journal of Comparative Physiology A* 192: 1179–1191. **[10]**

Barrio-Amorós CL. 2010. A new *Ceuthomantis* (Anura: Terrarana: Ceuthomantidae) from Saraisariñama Tepui, southern Venezuela. *Herpetologica* 66: 172–181. **[3]**

Barrio-Amorós CL, Santos JC. 2012. A phylogeny for *Aromobates* (Anura: Dendrobatidae) with description of three new species from the Andes of Venezuela, taxonomic comments on *Aromobates saltuensis*, *A. inflexus*, and notes on the conservation status of the genus. *Zootaxa* 3422: 1–31. **[3]**

Bartholomew GA. 1982. Physiological control of body temperature. *In* Gans C, Pough FH (eds.). *Biology of the Reptilia, Vol. 12: Physiology C, Physiological Ecology*, pp. 167–211. Academic Press, London. **[6]**

Bartholomew GA, Tucker VA. 1963. Control of changes in body temperature, metabolism, and circulation by the agamid lizard, *Amphibolurus barbatus*. *Physiological Zoology* 36: 199–218. **[6]**

Bartram W. 1791. *Travels Through North and South Carolina, Georgia, East and West Florida*. James and Johnson, Philadelphia PA. **[13]**

Basso NG, Úbeda CA, Bunge MM, Martinazzo LB. 2011. A new genus of neobatrachian frog from southern Patagonian forests, Argentina and Chile. *Zootaxa* 3002: 31–44. **[3]**

Bateman AJ. 1948. Intrasexual selection in *Drosophila*. *Heredity* 2: 349–368. **[14]**

Bateman PW, Fleming PA. 2009. To cut a long tail short: A review of lizard caudal autotomy studies carried out over the last 20 years. *Journal of Zoology* 277: 1–14. **[4]**

Bates HW. 1876. *The Naturalist on the River Amazons*. John Murray, London. **[4]**

Bates MF, Tolley KA, Edwards S, Davids Z, Da Silva JM, Branch WR. 2013. A molecular phylogeny of the African plated lizards, genus *Gerrhosaurus* Wiegmann, 1828 (Squamata: Gerrhosauridae), with the description of two new genera. *Zootaxa* 3750: 465–493. **[4]**

Bauer AM. 1990. Phylogenetic systematics and biogeography of the Carphodactylini (Reptilia: Gekkonidae). *Bonner Zoologische Monographien* 30: 1–218. **[4]**

Bauer AM. 2007. The foraging behavior of the Gekkota: Life in the middle. *In* Reilly SM, McBrayer LD, Miles DB (eds.). *Lizard Ecology: The Evolutionary Consequences of Foraging Mode*, pp. 371–404. Cambridge University Press, Cambridge. **[15]**

Bauer AM, Masroor R, Titus-Mcquillan J, Heinicke MP, Daza JD, Jackman TR. 2013. A preliminary phylogeny of the Palearctic naked-toed geckos (Reptilia: Squamata: Gekkonidae) with taxonomic implications. *Zootaxa* 3599: 301–324. **[4]**

Bauer AM, Russell AP, Shadwick RE. 1989. Mechanical properties and morphological correlates of fragile skin in gekkonid lizards. *Journal of Experimental Biology* 145: 79–102. **[4]**

Bauer AM, Russell AP. 1986. *Hoplodactylus delcourti* n. sp. (Reptilia: Gekkonidae), the largest known gecko. *New Zealand Journal of Zoology* 13: 141–148. **[4]**

Bauer AM, Russell AP. 1992. The evolutionary significance of regional integumentary loss in island geckos: A complement to caudal autotomy. *Ethology, Ecology, and Evolution* 4: 343–358. **[4]**

Baugh AT, Ryan MJ. 2011. The relative value of call embellishment in túngara frogs. *Behavioral Ecology and Sociobiology* 65: 359–367. **[14]**

Baum, D. A., and Smith, S. D. 2013. *Tree Thinking: An Introduction to Phylogenetic Biology*. Roberts & Co., Greenwood Village, CO. **[2]**

Bauwens D, Thoen C. 1981. Escape tactics and vulnerability to predation associated with reproduction in the lizard *Lacerta vivipara*. *Journal of Animal Ecology* 50: 733–743. **[15]**

Beachy CK, Bruce RC. 1992. Lunglessness in plethodontid salamanders is consistent with the hypothesis of a mountain stream origin: a response to Ruben and Boucot. *American Naturalist* 139: 839–847. **[3]**

Beard KH, Pitt WC. 2005. Potential consequences of the coqui frog invasion in Hawaii. *Diversity and Distributions* 11: 427–433. **[5]**

Beaudry F, Demaynadier PG, Hunter ML Jr. 2010 Identifying hot moments on road-mortality risk for freshwater turtles. *Journal of Wildlife Management* 74: 152–159. **[17]**

Beaupre SJ. 1995. Comparative ecology of the mottled rock rattlesnake, *Crotalus lepidus*, in Big Bend National Park. *Herpetologica* 51: 45–56. **[7]**

Beaupre SJ. 1996. Field metabolic rate, water flux, and energy budgets of mottled rock rattlesnakes, *Crotalus lepidus*, from two populations. *Copeia* 1996: 319–329. **[7]**

Beaupre SJ, Montgomery CE. 2007. The meaning and consequences of foraging mode in snakes. *In* Reilly SM, McBrayer LD, Miles DB (eds.). *Lizard Ecology: The Evolutionary Consequences of Foraging Mode*, pp. 334–367. Cambridge University Press, Cambridge. **[15]**

Beçak ML, Beçak W, Rabello MN. 1966. Cytological evidence of constant tetraploidy in the bisexual South American frog *Odontophrynus americanus*. *Chromosoma* 19: 188–193. **[3]**

Beck DD. 1990. Ecology and behavior of the Gila monster in southwestern Utah. *Journal of Herpetology* 24: 54–68. **[4, 12]**

Beck DD. 2005. *Biology of Gila Monsters and Beaded Lizards*. University of California Press, Berkeley. **[11]**

Beck DD, Lowe CH. 1991. Ecology of the beaded lizard, *Heloderma horridum*, in a tropical dry forest in Jalisco, Mexico. *Journal of Herpetology* 25: 395–406. **[12]**

Beck RA, Burbank DW, Sercombe WJ, Riley GW, Barndt JK, Berry JR, Afzal J, Khan AM, et al. 1995. Stratigraphic evidence for an early collision between northwest India and Asia. *Nature* 373: 55–58. **[5]**

Becker CG, Fonseca CR, Haddad CF, Batista RF, Prado PI. 2007. Habitat split and the global decline of amphibians. *Science* 318: 1775–1777. **[12]**

Becker MH, Brucker RM, Harris RN, Schwantes CR, Minbiole KPC. 2009. The bacterially produced metabolite violacein is associated with survival in amphibians infected with a lethal disease. *Applied and Environmental Microbiology* 75: 6635–6638. **[17]**

Bee MA, Gerhardt HC. 2001. Neighbor-stranger discrimination by territorial bullfrogs (*Rana catesbeiana*). I. Acoustic basis. *Animal Behaviour* 62: 1129–1140. **[13]**

Beebee TJC. 2013. Effects of road mortality and mitigation measures on amphibian populations. *Conservation Biology* 27: 657–668. **[17]**

Beebee TJC. 2014. Amphibian conservation in Britain: A 40-year history. *Journal of Herpetology* 48: 2–12. **[17]**

Behler J. 2000. Letter from the IUCN tortoise and freshwater turtle specialist group. *Turtle and Tortoise Newsletter* 1: 4–5. **[17]**

Bei R, Chen J, Liu H, Huang J, Yu H, Wu Z. 2012. Isolation and characterization of 12 microsatellite loci in the Chinese crocodile lizard (*Shinisaurus crocodilurus*). *Conservation Genetics Resources* 4: 743–745. **[4]**

Belkin DA. 1968. Aquatic respiration and underwater survival of two freshwater turtle species. *Respiration Physiology* 4: 1–14. **[4]**

Bell BD. 1978. Observations on the ecology and reproduction of the New Zealand leiopelmid frogs. *Herpetologica* 34: 340–354. **[3]**

Bell BD. 1999. Frog declines in New Zealand. Abstract. *Froglog* (35): 3. **[17]**

Bell BD. 2010. The threatened Leiopelmatid frogs of New Zealand: Natural history integrates with conservation. *Herpetological Conservation and Biology* 5: 515–528. **[3]**

Bell BD, Carver S, Mitchell NJ, Pledger S. 2004. The recent decline of a New Zealand endemic: how and why did populations of Archey's frog *Leiopelma archeyi* crash over 1996–2001? *Biological Conservation* 120: 189–199. **[3]**

Bell BD, Pledger SA. 2010. How has the remnant population of the threatened frog *Leiopelma pakeka* (Anura: Leiopelmatidae) fared on Maud Island, New Zealand, over the past 25 years? *Austral Ecology* 35: 241–256. **[3, 16]**

Bell DA. (1989). Functional anatomy of the chameleon tongue. *Zoologische Jahrbücher*. *Abteilung für Anatomie und Ontogenie der Tiere*. 119: 313–336. **[4]**

Bell RC, Zamudio KR. 2012. Sexual dichromatism in frogs: Natural selection, sexual selection and unexpected diversity. *Proceedings of the Royal Society London B* 279: 4687–4693. **[13]**

Bels VL, Crama Y J-M. 1994. Quantitative analysis of the courtship and mating behavior in the loggerhead musk turtle *Sternotherus minor* (Reptilia: Kinosternidae) with comments on courtship behavior in turtles. *Copeia* 1994: 676–684. **[13]**

Belvedere PL, Colombo C, Giacoma C, Malacarne C, Andreoletti GE. 1988. Comparative ethological and biochemical aspects of courtship pheromones in European newts. *Monitore Zoologico Italiano* 22: 397–403. **[13]**

Bemis WE, Schwenk K, Wake MH. 1983. Morphology and function of the feeding apparatus in *Dermophis mexicanus* (Amphibia: Gymnophiona). *Zoological Journal of the Linnean Society* 77: 75–96. **[3, 11]**

Bennett AF, Gleeson TT, Gorman GC. 1981. Anaerobic metabolism in a lizard (*Anolis bonairensis*) under natural conditions. *Physiological Zoology* 54: 237–241. **[7]**

Bennett AF, Nagy KA. 1977. Energy expenditure in free-ranging lizards. *Ecology* 58: 697–700. **[1]**

Benton MJ. 1985. Classification and phylogeny of the diapsid reptiles. *Zoological Journal of the Linnean Society* 84: 97–164. **[2]**

Benton MJ. 2014. *Vertebrate Paleontology*. Wiley, New York. **[2]**

Berger L. 1977. Systematics and hybridization in the *Rana esculenta* complex. *In* Taylor DH, Guttman SI (eds.). *The Reproductive Biology of Amphibians*, pp. 367–410. Plenum, New York. **[8]**

Berger L and 13 others. 1998. Chytridiomycosis causes amphibian mortality associated with population declines in the rain forests of Australia and Central America. *Proceedings of the National Academy of Sciences USA* 95: 9031–9036. **[17]**

Berger L, Hyatt AD, Speare R, Longcore JE. 2005. Life cycle stages of the amphibian chytrid *Batrachochytrium dendrobatidis*. *Diseases of Aquatic Organisms* 68: 51–63. **[17]**

Bergeron JM, Crews D, McLachlan JA. 1994. PCBs as environmental estrogens: Turtle sex determination as a biomarker of environmental contamination. *Environmental Health Perspectives* 102: 780–781. **[17]**

Bergmann PJ, Meyers JJ, Irschick DJ. 2009. Directional evolution of stockiness co-evolves with ecology and locomotion in lizards. *Evolution* 63: 215–227. **[4]**

Berlanger RM, Corkum LD. 2009. Review of aquatic sex pheromones and chemical communication in anurans. *Journal of Herpetology* 43: 184–191. **[13]**

Berman DI, Leirikh AN, Meshcheryakova EN. 2010. The Schrenck newt (*Salamandrella schrenckii*, Amphibia, Caudata, Hynobiidae) is the second amphibian that withstands extremely low temperatures. *Doklady Biological Sciences* 431: 131–134. **[7]**

Bernal XE, Rand AS, Ryan MJ. 2006. Acoustic preferences and localization performance of blood-sucking flies (*Corethrella* Coquillett) to túngara frog calls. *Behavioral Ecology* 17: 709–715. **[13]**

Bernardo J. 1996. The particular maternal effect of propagule size, especially egg size: Patterns, models, quality of evidence and interpretations. *American Zoologist* 36: 216–236. **[8]**

Berry JF, Shine R. 1980. Sexual size dimorphism and sexual selection in turtles (order Testudines). *Oecologia* 44: 185–191. **[14]**

Bertrand M, Modry D. 2004. The role of mite pocket-like structures on *Agama caudospinosa* (Agamidae) infested by *Pterygosoma livingstonei* sp. n. (Acari: Prostigmata: Pterygosomatidae). *Folia Parasitologica* 51: 61–66. **[15]**

Berven KA. 1981. Mate choice in the wood frog *Rana sylvatica*. *Evolution* 35: 707–722. **[14]**

Berven KA. 1982. The genetic basis of altitudinal variation in the wood frog, *Rana sylvatica*. I. An experimental analysis of life-history traits. *Evolution* 36: 962–983. **[8]**

Berven KA, Grudzien TA. 1990. Dispersal in the wood frog (*Rana sylvatica*): Implications for genetic population structure. *Evolution* 44: 2047–2056. **[12]**

Besharse JC, Holsinger JR. 1977. *Gyrinophilus subterraneus*, a new troglobitic salamander from southern West Virginia. *Copeia* 1977: 624–634. **[16]**

Beuchat CA, Ellner S. 1987. A quantitative test of life history theory: Thermoregulation by a viviparous lizard. *Ecological Monographs* 57: 45–60. **[6]**

Bevier CR. 1995. Biochemical correlates of calling activity in Neotropical frogs. *Physiological Zoology* 68: 1118–1142. **[7]**

Bewick AJ, Chain FJ, Heled J, Evans BJ. 2012. The pipid root. *Systematic Biology* 61: 913–926. **[3]**

Bezy RL. 1988. The natural history of the night lizards, Family Xantusiidae. *In* De Lisle HF, Brown PR, McGurty BM (eds.). *Proceedings of the Conference on California Herpetology*, pp. 1–12. Southwestern Herpetologists Society Special Publication 4. **[4]**

Bezy RL. 1989a. Morphological differentiation in unisexual and bisexual xantusiid lizards of the genus *Lepidophyma* in Central America. *Herpetological Monographs* 3: 61–80. **[4]**

Bezy RL. 1989b. Night lizards: The evolution of habitat specialists. *Terra* 28: 29–34. **[4]**

Bhullar BS. 2011. The power and utility of morphological characters in systematics: A fully resolved phylogeny of *Xenosaurus* and its fossil relatives (Squamata: Anguimorpha). *Bulletin of the Museum of Comparative Zoology* 160: 65–181. **[4]**

Bi K, Bogart JP. 2010. Time and time again: Unisexual salamanders (genus *Ambystoma*) are the oldest unisexual vertebrates. *BMC Evolutionary Biology* 10: 1–14. **[3, 8]**

Bi K, Bogart JP, Fu J. 2008. The prevalence of genome replacement in unisexual salamanders of the genus *Ambystoma* (Amphibia, Caudata) revealed by nuclear gene genealogy. *BMC Evolutionary Biology* 8: 158. **[3]**

Bickford D. 2002. Male parenting of New Guinea froglets. *Nature* 418: 601–602. **[8]**

Bickford D, Iskandar D, Barlian,A. 2008. A lungless frog discovered on Borneo. *Current Biology* 18: R374–R375. **[3]**

Bierman HS, Thornton JL, Jones HG, Koka K, Young BA, Brandt C, Christensen-Dalsgaard, Carr CE, Tollin DJ. 2014. Biophysics of directional hearing in the American alligator (*Alligator mississippiensis*). *Journal of Experimental Biology* 217: 1094–1107. **[15]**

Biju SD, Bossuyt F. 2003. New frog family from India reveals an ancient biogeographical link with the Seychelles. *Nature* 425: 711–714. **[3]**

Biju SD, Garg S, Gururaja KV, Shouche Y, Walujkar SA. 2014. DNA barcoding reveals unprecedented diversity in dancing frogs of India (Micrixalidae, *Micrixalus*): A taxonomic revision with description of 14 new species. *Ceylon Journal of Science (Biological Sciences)* 43: 1–87. **[3, 13]**

Biju SD, Roelants K, Bossuyt F. 2008. Phylogenetic position of the montane treefrog *Polypedates variabilis* Jerdon, 1853 (Anura: Rhacophoridae), and description of a related species. *Organisms Diversity Evolution* 8: 267–276. **[3]**

Biju SD, Van Bocxlaer I, Mahony S, Dinesh KP, Radhakrishnan C, Zachariah A. Bossuyt F. 2011. A taxonomic review of the night frog genus *Nyctibatrachus* Boulenger, 1882 in the

Western Ghats, India (Anura: Nyctibatrachidae) with description of 12 new species. *Zootaxa* 3029: 1–96. **[3]**

Billo R, Wake MH. 1987. Tentacle development in *Dermophis mexicanus* (Amphibia, Gymnophiona) with a hypothesis of tentacle origin. *Journal of Morphology* 192: 101–111. **[3]**

Binckley CA, Resetarits WJ Jr. 2003. Functional equivalence of non-lethal effects: Generalized fish avoidance determines the distribution of grey treefrog, *Hyla chrysoscelis*, larvae. *Oikos* 102: 623–629. **[15]**

Birn-Jeffery AV, Higham TE. 2014. Geckos significantly alter foot orientation to facilitate adhesion during downhill locomotion. *Biology Letters* 10: 20140456. doi: 10.1098/rsbl.2014.0456. **[10]**

Biton R, Geffen E, Vences M, Cohen O, Bailon S, Rabinovich R, Gafny S. 2013. The rediscovered Hula painted frog is a living fossil. *Nature Communications* 4. **[3, 17]**

Bjorndal KA. 1985. Nutritional ecology of sea turtles. *Copeia* 1985: 736–751. **[15]**

Blackburn DC. 2008. Biogeography and evolution of body size and life history of African frogs: Phylogeny of squeakers (*Arthroleptis*) and long-fingered frogs (*Cardioglossa*) estimated from mitochondrial data. *Molecular Phylogenetics and Evolution* 49: 806–826. **[3]**

Blackburn DC. 2009. Diversity and evolution of male secondary sexual characters in African squeakers and long-fingered frogs. *Biological Journal of the Linnean Society* 96: 553–573. **[3]**

Blackburn DC, Bickford DP, Diesmos AC, Iskandar DT, Brown RM. 2010. An ancient origin for the enigmatic flat-headed frogs (Bombinatoridae: *Barbourula*) from the islands of Southeast Asia. *PLoS One* 5: e12090. **[3, 5]**

Blackburn DC, Duellman WE. 2013. Brazilian marsupial frogs are diphyletic (Anura: Hemiphractidae: *Gastrotheca*). *Molecular Phylogenetics and Evolution* 68: 709–714. **[3]**

Blackburn DC, Hanken J, Jenkins Jr FA. 2008. Concealed weapons: Erectile claws in African frogs. *Biology Letters* 4: 355–357. **[3]**

Blackburn DC, Measey GJ. 2009. Dispersal to or from an African biodiversity hotspot? *Molecular Ecology* 18: 1904– 1915. **[3, 5]**

Blackburn DC, Siler CD, Diesmos AC, McGuire JA, Cannatella DC, Brown RM. 2013. An adaptive radiation of frogs in a Southeast Asian island archipelago. *Evolution* 67: 2631–2646. **[3]**

Blackburn DC, Wake DB. 2011. Animal biodiversity: An outline of higher-level classification and survey of taxonomic richness. Class Amphibia Gray, 1825. *Zootaxa* 3148: 39–55. **[3]**

Blackburn DG. 1993. Standardized criteria for the recognition of reproductive modes in squamate reptiles. *Herpetologica* 49: 118–132. **[9]**

Blackburn DG. 1994. Standardized criteria for the recognition of embryonic nutritional patterns in squamate reptiles. *Copeia* 1994: 925–935. **[9]**

Blackburn DG. 1998. Structure, function, and evolution of the oviducts of squamate reptiles, with special reference to viviparity and placentation. *Journal of Experimental Zoology* 282: 560–617. **[9]**

Blackburn DG. 1999. Are viviparity and egg-guarding evolutionarily labile in squamates? *Herpetologica* 55: 556–573. **[9]**

Blackburn DG. 2000. Reptilian viviparity: Past research, future directions, and appropriate models. *Comparative Biochemistry and Physiology* 127A: 391–409. **[9]**

Blackburn DG. 2014. Evolution of vertebrate viviparity and specializations for fetal nutrition: A quantitative and qualitative analysis. *Journal of Morphology*, in press. **[4]**

Blackburn DG, Fleming AF. 2012. Invasive implantation and intimate placental associations in a placentotrophic African lizard, *Trachylepis ivensi* (Scincidae). *Journal of Morphology* 273: 137–159. **[9]**

Blair WF. 1972. *Evolution in the Genus Bufo*. University of Texas Press, Austin. **[3]**

Blankers T, Townsend TM, Pepe K, Reeder TW, Wiens JJ. 2013. Contrasting global-scale evolutionary radiations: Phylogeny, diversification, and morphological evolution in the major clades of iguanian lizards. *Biological Journal of the Linnean Society* 108: 127–143. **[4]**

Blanvillain G, Owens DW, Kuchling G. 2011. Hormones and reproductive cycles in turtles. *In* Norris DO, Lopez KH (eds.). *Hormones and Reproduction of Vertebrates, Vol. 3*, pp. 277–303. Academic Press, Burlington, MA. **[9]**

Blaustein AR, Alford RA, Harris RN. 2009. The value of well designed experiments in studying diseases, with special reference to amphibians. *EcoHealth* 6: 373–377. **[1]**

Blaustein AR, Hoffman PD, Hokit DG, Kiesecker JM, Walls SC, Hays JB. 1994a. UV repair and resistance to solar UV-B in amphibian eggs: A link to population declines? *Proceedings of the National Academy of Sciences USA* 91: 1791–1795. **[17]**

Blaustein AR, Hokit DG, O'Hara RK. 1994b. Pathogenic fungus contributes to amphibian losses in the Pacific Northwest. *Biological Conservation* 67: 251–254. **[17]**

Blaustein AR, Wake DB. 1995. The puzzle of declining amphibian populations. *Scientific American* 272: 56–61. **[17]**

Blaustein AR, Walls SC. 1995. Aggregation and kin recognition. *In* Heatwole H, Sullivan BK. *Amphibian Biology, Vol. 2: Social Behaviour*, pp. 568–602. Surrey Beatty and Sons, Chipping Norton, New South Wales, Australia. **[13]**

Blaustein AR, Walls SC, Bancroft BA, Lawler JJ, Searle CL, Gervasi SS. 2010. Direct and indirect effects of climate change on amphibian populations. *Diversity* 2: 281–313. **[1]**

Blaylock LA, Ruibal R, Plat-Aloia K. 1976. Skin structure and wiping behaviour of phyllomedusine frogs. *Copeia* 1976: 283–295. **[6]**

Blommers-Schlösser RM. (1975 A unique case of mating behaviour in a Malagasy tree frog, *Gephyromantis liber* (Peracca, 1893), with observations on the larval development (Amphibia, Ranidae). *Beaufortia* 23: 15–25. **[3, 8]**

Blotto BL, Nunez JJ, Basso NG, Úbeda CA, Wheeler WC, Faivovich J. 2013. Phylogenetic relationships of a Patagonian frog radiation, the *Alsodes* + *Eupsophus* clade (Anura: Alsodidae), with comments on the supposed paraphyly of *Eupsophus. Cladistics* 29: 113–131. **[3]**

Blouin-Demers G, Nadeau P. 2005. The cost–benefit model of thermoregulation does not predict lizard thermoregulatory behavior. *Ecology* 86: 560–566. **[6]**

Blouin-Demers G, Weatherhead PJ. 2001. An experimental test of the link between foraging, habitat selection and thermoregulation in black rat snakes *Elaphe obsoleta obsoleta*. *Journal of Animal Ecology* 70: 1006–1013. **[6]**

Blouin-Demers G, Weatherhead PJ. 2002. Implications of movement patterns for gene flow in black rat snakes (*Elaphe obsoleta*). *Canadian Journal of Zoology* 80: 1162–1172. **[12]**

Blumenthal JM and 10 others. 2009. Turtle groups or turtle soup: Dispersal patterns of hawksbill turtles in the Caribbean. *Molecular Ecology* 18: 4841–4853. **[12]**

Boback SM, Dichter EK, Mistry HL. 2012. A developmental staging series for the African house snake, *Boaedon* (*Lamprophis*) *fuliginosus*. *Zoology* 115: 38–46. **[4]**

Bochkov AV, Mironov SV. 2000. Two new species of the genus *Geckobia* (Acari: Pterygosomatidae)from geckons (Lacertilia: Gekkonomorpha) with a brief review of host-parasite associations of the genus. *Russian Journal of Herpetology* 7: 61–68. **[15]**

Bochkov AV. 2002. The classification and phylogeny of the mite superfamily Cheyletoidea (Acari, Prostigmata). *Entomological Review* 82: 643–664. **[15]**

Bochkov, A, and Mironov, SV. 2000. Two new species of the genus Geckobia (ACARI: Pterygosomatidae) from geckons (Lacertilia: Gekkonomorpha) with a brief review of host-parasite associations of the genus. *Russian Journal of Herpetology* 7: 61–68. **[9]**

Bock BC, Rand AS, Burghardt GM. 1989. Nesting season movements of female green iguanas (*Iguana iguana*) in Panama. *Copeia* 1989: 214–216. **[12]**

Bogart JP. 2003. Genetics and systematics of hybrid species. *In* Sever DM (ed.). *Reproductive Biology and Phylogeny of Urodela*, pp. 109–134. Science Publishers, Enfield, New Hampshire. **[8]**

Bogart JP, Bi K. 2013. Genetic and genomic interactions of animals with different ploidy levels. *Cytogenetic and Genomic Research* 40: 117–136. **[8]**

Bogart JP, Bi K, Fu J, Noble DWA, Niedzwieck J. 2007. Unisexual salamanders (genus *Ambystoma*) present a new reproductive mode for eukaryotes. *Genome* 50: 119–136. **[8]**

Bogert CM. 1943. Dentitional phenomena in cobras and other elapids with notes on adaptive modifications of fangs. *Bulletin of the American Museum of Natural History* 81: 285–360. **[4]**

Bogert CM, del Campo RM. 1956. The Gila monster and its allies, the relationships, habits, and behavior of the lizards of the family Helodermatidae. *Bulletin of the American Museum of Natural History* 109: 1–238. **[4]**

Bogue R. 2014. Snake robots: A review of research, products and applications. *Industrial Robot* 41: 253–258 **[10]**

Böhm M et al. 2013. The conservation status of the world's reptiles. *Biological Conservation* 157: 372–385. **[1, 17]**

Böhme W. 1995. Hemiclitoris discovered: A fully differentiated erectile structure in female monitor lizards (*Varanus* spp.) (Reptilia: Varanidae). *Journal of Zoological Systematics and Evolutionary Research* 33: 129–132. **[4]**

Boistel R, Aubin T, Cloetens P, Langer M, Gillet B, Josset P, Pollet N, Herrel A. 2011. Whispering to the deaf: Communication by a frog without external vocal sac or tympanum in noisy environments. *PLoS One* 6 (7): e22080. doi: 10.1371/journal.pone.0022080. **[13]**

Boisvert CA. 2005. The pelvic fin and girdle of *Panderichthys* and the origin of tetrapod locomotion. *Nature* 438: 1145–1147. **[2]**

Boisvert CA, Mark-Kurik E, Ahlberg PE. 2008. The pectoral fin of *Panderichthys* and the origin of digits. *Nature* 456: 636–638. **[2]**

Bolt JR. 1977. Dissorophoid relationships and ontogeny, and the origin of the Lissamphibia. *Journal of Paleontology* 51: 235–249. **[2]**

Bolt JR. 1979. *Amphibamus grandiceps* as a juvenile dissorophid: Evidence and implications. *In* Nitecki MH (ed.). *Mazon Creek Fossils*, pp. 529–563. Academic Press, London. **[2]**

Bonachea LA, Ryan MJ. 2011. Simulated predation risk influences female choice in túngara frogs, *Physalaemus pustulosus*. *Ethology* 117: 1–8. **[13]**

Bonett RM, Chippindale PT, Moler PE, Van Devender RW, Wake DB. 2009. Evolution of gigantism in amphiumid salamanders. *PLoS One* 4: e5615. **[3]**

Bonett RM, Steffen MA, Lambert SM, Wiens JJ, Chippindale PT. 2013. Evolution of paedomorphosis in plethodontid salamanders: Ecological correlates and re-evolution of metamorphosis. *Evolution* 68: 466–482. **[8]**

Bonett RM, Steffen MA, Lambert SM, Wiens JJ, Chippindale PT. 2014. Evolution of paedomorphosis in plethodontid salamanders: Ecological correlates and re-evolution of metamorphosis. *Evolution* 68: 466–482. **[3]**

Bonett RM, Trujano-Alvarez AL, Williams MJ, Timpe EK. 2013. Biogeography and body size shuffling of aquatic salamander communities on a shifting refuge. *Proceedings of the Royal Society London B* 280: 20130200. **[3]**

Bonine KE. 2007. Physiological correlates of lizard foraging mode. *In* Reilly SM, McBrayer LS, Miles DB. (eds.). *Lizard Ecology* pp. 94–119. Cambridge University Press, Cambridge. **[7]**

Bonnet X, Brischoux F. 2008. Thirsty sea snakes forsake refuge during rainfall. *Austral Ecology* 33: 911–921. **[6]**

Bonnet X, Naulleau G, Shine R. 1999. The dangers of leaving home: Dispersal and mortality in snakes. *Biological Conservation* 89: 39–50. **[15]**

Booth W, Million L, Reynolds RG, Burghardt GM, Vargo EL, Schal C, Tzika AC, et al. 2011. Consecutive virgin births in the New World boid snake, the Colombian rainbow boa, *Epicrates maurus*. *Journal of Heredity* 102: 759–763. **[4]**

Booth W, Smith CF, Eskridge PH, Hoss SK, Mendelson JR III, Schuett GW. 2012. Facultative parthenogenesis discovered in wild vertebrates. *Biology Letters* 8: 983–985. **[9]**

Borsuk-Bialynicka M, Evans SE. 2002. The scapulocoracoid of an Early Triassic stem-frog from Poland. *Acta Palaeontologica Polonica* 47: 79–96. **[3]**

Bosch J, Martínez-Solano I, García-París M. 2001. Evidence of a chytrid fungus infection involved in the decline of the common midwife toad (*Alytes obstetricans*) in protected areas of central Spain. *Biological Conservation* 97: 331–337. **[17]**

Bossomaier TRJ, Wong ROL, Snyder AW. 1989. Stile-Crawford effect in garter snake. *Vision Research* 29: 741–746. **[4]**

Bossuyt F, Brown RM, Hillis DM, Cannatella DC, Milinkovitch MC. 2006. Phylogeny and biogeography of a cosmopolitan frog radiation: Late Cretaceous diversification resulted in continent-scale endemism in the family Ranidae. *Systematic Biology* 55: 579–594. **[3, 5]**

Bossuyt F, Meegaskumbura M, Beenaerts N, Gower DJ, Pethiyagoda R, Roelants K, Milinkovitch MC 2004. Local endemism within the Western Ghats–Sri Lanka biodiversity hotspot. *Science* 306: 479–481. **[3, 4]**

Bossuyt F, Milnkovitch MC. 2000. Convergent adaptive radiations in Madagascan and Asian ranid frogs reveal covariation between larval and adult traits. *Proceedings of the National Academy of Sciences USA* 97: 6585–6590. **[3]**

Bossuyt F, Milinkovitch MC 2001. Amphibians as indicators of early Tertiary "out-of-India" dispersal of vertebrates. *Science* 292: 93–95. **[3, 5]**

Bossuyt F, Roelants K. 2009. Frogs and toads (Anura). *In* Hedges SB, Kumar S (eds.). *The Timetree of Life*, pp. 357–364. Oxford University Press, New York. **[5]**

Botha H, van Hoven W, Guillette LJ, Jr. 2011. The decline of the Nile crocodile population in Loskop Dam, Olifants River, South Africa. *Water SA* (online) 37: 103–108. **[17]**

Bouchard J, Ford AT, Eigenbrod FE, Fahrig L. 2009. Behavioral responses of northern leopard frogs (*Rana pipiens*) to roads and traffic: Implications for population persistence. *Ecology and Society* 14(2): 23 (online). **[12]**

Bourke, J, Busse K, Böhme W. 2012. Searching for a lost frog (*Rhinoderma rufum*): Identification of the most promising areas for future surveys and possible reasons of its enigmatic decline. *North-West Journal of Zoology* 8: 99–106. **[3]**

Bourne GR. 1997. Reproductive behavior of terrestrial breeding frogs *Eleutherodactylus johnstonei* in Guyana. *Journal of Herpetology* 31: 221–229. **[8]**

Boutilier RG, Stiffler DF, Toews DP. 1992. Exchange of water, ions, and respiratory gases in amphibious and aquatic amphibians. *In* Feder ME, Burggren WW (eds.). *Environmental Physiology of the Amphibians*, pp 81–124. University of Chicago Press, Chicago. **[6]**

Bowcock H, Brown GP, Shine R. 2013. Sexual selection in cane toads *Rhinella marina*: A male's body size affects his success and his tactics. *Current Zoology* 59: 747–753. **[14]**

Bowen BW, Avise JC, Richardson JI, Meylan AB, Margaritoulis D, Hopkins-Murphy SR. 1993. Population structure of loggerhead turtles (*Caretta caretta*) in the northwestern Atlantic Ocean and Mediterranean Sea. *Conservation Biology* 7: 834–844. **[4]**

Bowen BW, Karl SA. 1997. Population genetics. *In* Lutz PL, Musick JA (eds.). *The Biology of Sea Turtles*, pp. 29–50. CRC Press, Boca Raton, FL. **[12]**

Bowen BW, Karl SA. 2007. Population genetics and phylogeography of sea turtles. *Molecular Ecology* 16: 4886–4907. **[4, 16]**

Bowen BW, Meylan AB, Avise JC. 1989. An odyssey of the green sea turtle: Ascension Island revisited. *Proceedings of the National Academy of Sciences USA* 86: 573–576. **[12]**

Bowen BW, Meylan AB, Ross JP, Limpus CJ, Balazs GH, Avise JC. 1992. Global population structure and natural history of the green turtle (*Chelonia mydas*) in terms of matriarchal phylogeny. *Evolution* 46: 865–881. **[4]**

Bower DS, Hutchinson M, Georges A. 2012. Movement and habitat use of Australia's largest snake-necked turtle: Implications for water management. *Journal of Zoology* 287: 76–80. **[12]**

Bowerman J, Johnson PTJ, Bowerman T. 2010. Sublethal predators and their injured prey: Linking aquatic predators and severe limb abnormalities in amphibians. *Ecology* 91: 242–251. **[17]**

Bowmaker JK. 2008. Evolution of vertebrate visual pigments. *Vision Research* 48: 2022–2041. ***[4]***

Boycott RC. 1988. Description of a new species of *Heleophryne* Sclater, 1899, from the Cape Province, South Africa (Anura: Heleophrynidae). *Annals of the Cape Provincial Museums (Natural History)* 16: 309–319. **[3]**

Bradbury JW, Vehrencamp SL. 2011. *Principles of Animal Communication*, Second Ed. Sinauer Associates, Sunderland, MA. **[13]**

Bradford DF. 1990. Incubation time and rate of embryonic development in amphibians: The influence of ovum size, temperature, and reproductive mode. *Physiological Zoology* 63: 1157–1180. **[8]**

Bradford DF, Tabatabai F, Graber DM. 1993. Isolation of remaining populations of the native frog *Rana muscosa*, by introduced fishes in Sequoia and Kings Canyon National Parks, California. *Conservation Biology* 7: 882–888. **[17]**

Bradshaw SD. 1986. *Ecophysiology of Desert Reptiles*. Academic Press, Sydney, Australia **[6]**

Brainerd EL. 1994. The evolution of lung-gill bimodal breathing and the homology of vertebrate respiratory pumps. *American Zoologist* 34: 289–299. **[7]**

Brainerd EL. 1999. New perspectives on the evolution of lung ventilation mechanisms in vertebrates. *Experimental Biology Online* 4(2): 1–28. **[7]**

Brainerd EL, Owerkowicz T. 2006. Functional morphology and evolution of aspiration breathing in tetrapods. *Respiratory Physiology & Neurobiology* 154: 73–88 **[7]**

Bramble DM. 1974. Occurrence and significance of the os transiliens in gopher tortoises. *Copeia* 1974: 102–109. **[11]**

Braña F, Bea A, Arrayago MJ. 1991. Egg retention in lacertid lizards: Relationships with reproductive ecology and the evolution of viviparity. *Herpetologica* 47: 218–226. **[9]**

Branch B. 1988. *Field Guide to the Snakes and Other Reptiles of Southern Africa*. Ralph Curtis Books, Sanibel Island, FL. **[9, 17]**

Branch WR. 1991. *Everyone's Guide to Snakes of Southern Africa*. Struik Publishers, Cape Town. **[3]**

Brandley MC, Bragg JG, Chapple DG, Jennings CK, Lemmon AR, Lemmon EM, Singhal S, et al. 2015. Evaluating the performance of anchored hybrid enrichment at the tips of the tree of life: A phylogenetic analysis of Australian *Eugongylus* group scincid lizards. *BMC Evolutionary Biology* 15: 62. **[4]**

Brandley MC, Huelsenbeck JP, Wiens JJ. 2008. Rates and patterns in the evolution of snake-like body form in squamate reptiles: Evidence for repeated re-evolution of lost digits and long-term persistence of intermediate body forms. *Evolution* 62: 2042–2064. **[4]**

Brandley MC, Ota H, Hikida T, Nieto Montes De Oca A, Fería-Ortíz M, Guo X, Wang Y. 2012. The phylogenetic systematics of blue-tailed skinks (Plestiodon) and the family Scincidae. *Zoological Journal of the Linnean Society* 165: 163–189. **[4]**

Brandley MC, Schmitz A, Reeder TW. 2005. Partitioned Bayesian analyses, partition choice, and the phylogenetic relationships of scincid lizards. *Systematic Biology* 54: 373–390. **[4]**

Brandley MC, Wang Y, Guo X, Nieto Montes de Oca A, Feria Ortíz M, Hikida T, Ota H. 2011. Accommodating locus-specific heterogeneity in molecular dating methods: An example using inter-continental dispersal of *Plestiodon* (*Eumeces*) lizards. *Systematic Biology* 60: 3–15. **[4]**

Brandley MC, Wang Y, Guo X, Nieto Montes de Oca A, Feria Ortíz M, Hikida T, Ota H. 2011. Accommodating locus-specific heterogeneity in molecular dating methods: an example using inter-continental dispersal of *Plestiodon* (*Eumeces*) lizards. *Systematic Biology* 60: 3–15. **[5]**

Brandley MC, Wang Y, Guo X, Nieto Montes de Oca A, Fería Ortíz M, Hikida T, Ota H. 2010. Bermuda is a life raft for an ancient lineage of endangered lizards. *PLoS One 5*: e11375. **[5]**

Brashears JA, DeNardo D. 2013. Thermogenesis: Brooding Burmese pythons (*Python bivittatus*) cue on body, not clutch, temperature. *Journal of Herpetology* 47: 440–444. **[6]**

Brasileiro CA, Haddad CLF, Sawaya RJ, Sazima I. 2007. A new and threatened island-dwelling species of *Cycloramphus* (Anura: Cycloramphidae) from Southeastern Brazil. *Herpetologica* 63: 501–510. **[3]**

Brattstrom BH. 1962. Thermal control of aggregation behavior in tadpoles. *Herpetologica* 18: 38–46. **[6]**

Brattstrom BH. 1979. Amphibian temperature regulation studies in the field and laboratory. *American Zoologist* 19: 345–356. **[6]**

Brazaitis P. 1973. The identification of living crocodilians. *Zoologica* 59: 59–88. **[4]**

Brazaitis P, Watanabe ME. 2011. Crocodilian behaviour: A window to dinosaur behaviour? *Historical Biology* 23: 73–90. **[1]**

Brazeau MD, Ahlberg PE. 2006. Tetrapod-like middle ear architecture in a Devonian fish. *Nature* 439: 318–321. **[2]**

Breckenridge WR, Jayasinghe S. 1979. Observations of the eggs and larvae of *Ichthyophis glutinosus*. *Ceylon Journal of Science* (*Biological Sciences*) 13: 187–204. **[3, 8]**

Breckenridge WR, Shirani N, Pereira L. 1987. Observations on the eggs and larvae of *Ichthyophis glutinosus* (Amphibia: Gymnophiona). *Ceylon Journal of Science (Biological Sciences)* 13: 187–202. **[8]**

Breden F. 1987. The effect of post-metamorphic dispersal on the population genetic structure of Fowler's toad, *Bufo woodhousei fowleri*. *Copeia* 1987: 386–395. **[12]**

Breitman MF, Avila LJ, Sites JW Jr, Morando M. 2011. Lizards from the end of the world: Phylogenetic relationships of the *Liolaemus lineomaculatus* section (Squamata: Iguania: Liolaemini). *Molecular Phylogenetics and Evolution* 59: 364–376. **[4]**

Briggs CJ, Vredenburg VT, Knapp RA, Rachowicz LJ. 2005. Investigating the population-level effects of chytridiomycosis: An emerging infectious disease of amphibians. *Ecology* 86: 3149–3159. **[17]**

Brikiatis L. 2014. The De Geer, Thulean and Beringia routes: Key concepts for understanding early Cenozoic biogeography. *Journal of Biogeography* 41: 1036–1054. **[5]**

Brischoux F, Bonnet X, Shine R. 2009. Kleptothermy: An additional category of thermoregulation, and a possible example in sea kraits (*Laticauda laticaudata*, Serpentes). *Biology Letters* 5: 729–731, **[6]**

Brischoux F, Lillywhite HB. 2011. Light- and flotsam-dependent 'float-and-wait' foraging by pelagic sea snakes (*Pelamis platurus*). *Marine Biology* 158: 2343–2347. **[6]**

Brischoux F, Rolland V, Bonnet X, Caillaud M, Shine R. 2012a. Effects of ocean salinity on body condition in sea snakes. *Integrative and Comparative Biology* 52: 235–244. **[6]**

Brischoux F. Tingley R, Shine R, Lillywhite HB. 2012b. Salinity influences the distribution of marine snakes: implications for evolutionary transitions to marine life. *Ecography* 35: 1–10. **[6]**

Britton ARC. 2000. Review and classification of call types of juvenile crocodilians. *In* Grigg GC, Seebacher F, Franklin CE (eds.). *Crocodilian Biology and Evolution*, pp. 364–377. Surrey Beatty and Sons, Chipping Norton, New South Wales, Australia. **[13]**

Brizzi R, Delfino G, Jantra S. 2003. An overview of breeding glands. *In* Jamieson BGM (ed.). *Reproductive Biology and Phylogeny of Anura*, pp. 253–317. Science Publishers, Enfield, NH. **[13]**

Broadley DG. 1965. A revision of the *Prosymna sundevalli* group (Serpentes: Colubridae). *Arnoldia* (Rhodesia) 2(5): 1–6. **[4]**

Broadley DG. 1966. A review of the African stripe-bellied sand-snakes of the genus *Psammophis*. *Arnoldia* (Rhodesia) 2(36): 1–9. **[4]**

Broadley DG. 1977a. A review of the genus *Psammophis* in southern Africa (Serpentes: Colubridae). *Arnoldia* (Rhodesia) 8: 1–29. **[4]**

Broadley DG. 1977b. A revision of the African snakes of the genus *Psammophylax* Fitzinger (Colubridae). *Occassional Papers of the National Museum of Rhodesia B* 6: 1–44. **[4]**

Broadley DG. 1978. A revision of the genus *Platysaurus* A. Smith (Sauria, Cordylidae). *Occasional Papers of the National Museum of Rhodesia B* 6: 131–185. **[4]**

Broadley DG. 1979. Predation on reptile eggs by African snakes of the genus *Prosymna*. *Herpetologica* 35: 338–341. **[4]**

Broadley DG. 1980. A revision of the African snake genus *Prosymna* Gray (Colubridae). *Occassional Papers of the National Museum of Rhodesia B* 6: 481–556. **[4]**

Broadley DG. 1996. A revision of the genus *Lycophidion* (Serpentes: Colubridae) in southern Africa. *Syntarsus* 3: 1–33. **[4]**

Broadley DG. 2002. A review of the species of *Psammophis* Boie found south of Latitude 12 S (Serpentes: Psammophiinae). *African Journal of Herpetology* 51: 83–119. **[4]**

Brochu CA. 2003. King of the crocodylians: The paleobiology of *Deinosuchus*. *Palaios* 18: 80–82. **[4]**

Brochu CA, Rincón AD. 2004. A gavialoid crocodylian from the Lower Miocene of Venezuela. *Special Papers in Palaeontology* 71: 61–80. **[5]**

Brochu CA, Storrs GW. 2012. A giant crocodile from the Plio-Pleistocene of Kenya, the phylogenetic relationships of Neogene African crocodylines, and the antiquity of *Crocodylus* in Africa. *Journal of Vertebrate Paleontology* 32: 587–602. **[4]**

Broderick AC, Coyne MS, Fuller WJ, Glen F, Godley BJ. 2007. Fidelity and over-wintering of sea turtles. *Proceedings of the Royal Society London B* 274: 1533–1538. **[12]**

Brodie Jr ED. 1977. Salamander antipredator postures. *Copeia* 1977: 523–535. **[3]**

Brodie ED III. 1992. Correlational selection for color patter and antipredator behavior in the garter snake *Thamnophis ordinoides*. *Evolution* 46: 1284–1298. **[15]**

Brodie ED III. 1993. Differential avoidance of coral snake banded patterns by free-ranging avian predators in Costa Rica. *Evolution* 47: 227–235. **[15]**

Brodie ED III. 2011. Patterns, processes, the parable of the coffeepot incident: Arms races between newts and snakes from landscapes to molecules. *In* Losos JB (ed.). *In the Light of Evolution: Essays from the Laboratory and Field*, pp. 93–120. Roberts and Company, Greenwood, CO. **[15]**

Brodie ED III, Brodie ED Jr. 1999. Predator-prey arms races. *Bioscience* 49: 557–568. **[15]**

Brodie ED Jr, Brodie ED III. 1980. Differential avoidance of mimetic salamanders by free-ranging birds. *Science* 208: 181–183. **[15]**

Brodie ED Jr, Smatresk NJ. 1990. The antipredator arsenal of fire salamanders spraying of secretions from highly pressurized dorsal skin glands. *Herpetologica* 46: 1–7. **[15]**

Brodie ED Jr. 1983. Antipredator adaptations of salamanders: Evolution and convergence among terrestrial species. *In* Margaris NS, Arianoutsour-Faraggitaki M, Reiter RJ (eds.). *Plant, Animal, and Microbial Adaptations to Terrestrial Environment*, pp. 109–133. Plenum, New York. **[15]**

Bronikowski A, Vleck D. 2010. Metabolism, body size and life span: A case study in evolutionarily divergent populations of the garter snake (*Thamnophis elegans*). I*ntegrative and Comparative Biology* 50: 880–887. **[9, 15]**

Brooks SE, Allison EH, Gill JA, Reynolds JD. 2010. Snake prices and crocodile appetites: Aquatic wildlife supply and demand on Tonle Sap Lake, Cambodia. *Biological Conservation* 143: 2127–2135. **[17]**

Brooks SE, Allison EH, Reynolds JD. 2007. Vulnerability of Cambodian water snakes: Initial assessment of the impact of hunting at Tonle Sap Lake. *Biological Conservation* 139: 401–414. **[17]**

Brown GP, Brooks RJ. 1994. Characteristics of and fidelity to hibernacula in a northern population of snapping turtles, *Chelydra serpentina*. *Copeia* 1994: 222–226. **[12]**

Brown GP, Kelehear C, Shine R. 2013. The early toad gets the worm: Cane toads at an invasion front benefit from higher prey availability. *Journal of Animal Ecology* 82: 854–862. **[12]**

Brown GP, Shine R. 2002. Reproductive ecology of a tropical natricine snake, *Tropidonophis mairii* (Colubridae). *Journal of Zoology* 258: 63–72. **[4]**

Brown GP, Shine R. 2006. Why do most tropical animals reproduce seasonally? Testing hypotheses on an Australian snake. *Ecology* 87: 133–143. **[9]**

Brown GP, Shine R. 2007. Like mother, like daughter: Inheritance of nest-site location in snakes. *Biology Letters* 3: 131–133. **[12]**

Brown HA. 1989. Developmental anatomy of the tailed frog (*Ascaphus truei*): A primitive frog with large eggs and slow development. *Journal of Zoology* 217: 525–537. **[3]**

Brown HA. 1989. Developmental anatomy of the tailed frog (*Ascaphus truei*): A primitive frog with large eggs and slow development. *Journal of Zoology, London* 217: 525–537. **[8]**

Brown RM, Diesmos AC, Oliveros CH. 2011. New flap-legged forest gecko (genus *Luperosaurus*) from the northern Philippines. *Journal of Herpetology* 45: 202–210. **[10]**

Brown RM, Linkem CW, Siler CD, Sukumaran J, Esselstyn JA, Diesmos AC, Iskandar DT, Bickford D, Evans BJ, McGuire JA, Grismer L, Supriatnah J, Andayanih N. 2010. Phylogeography and historical demography of *Polypedates leucomystax* in the islands of Indonesia and the Philippines: Evidence for recent human-mediated range expansion? *Molecular Phylogenetics and Evolution* 57: 598–619. **[5]**

Brown RM, Siler CD. 2014. Spotted stream frog diversification at the Australasian faunal zone interface, mainland versus island comparisons, and a test of the Philippine 'dual umbilicus' hypothesis. *Journal of Biogeography* 41: 182–195. **[5]**

Brown RM, Siler CD, Diesmos AC, Alcala AC. 2009. The Philippine frogs of the genus Leptobrachium (Anura; Megophryidae): Phylogeny-based species delimitation, taxonomic revision, and descriptions of three new species. *Herpetological Monographs* 23: 1–44. **[3]**

Brown RM, Siler CD, Grismer LL, Das I, McGuire JA. 2012. Phylogeny and cryptic diversification in Southeast Asian flying geckos. *Molecular Phylogenetics and Evolution* 65: 351–361. **[10]**

Brown RM, Siler CD, Oliveros CH, Esselstyn JA, Diesmos AC, Hosner PA, Linkem CW, Barley AJ, Oaks JR, Sanguila MB, Welton LJ, Blackburn DC, Moyle RG, Peterson T, Alcala AC. 2013. Evolutionary processes of diversification in a model island archipelago. *Annual Review of Ecology, Evolution, and Systematics* 44: 411–435. **[5]**

Brown RM, Siler CD, Richards SJ, Diesmos AC, Cannatella DC. 2015. Multilocus phylogeny and a new classification for Southeast Asian and Melanesian forest frogs (family Ceratobatrachidae). *Zoological Journal of the Linnean Society* 174: 130–168. **[3]**

Brown RM, Siler CD, Richards SJ, Diesmos AC, Cannatella DC. 2015. Multilocus phylogeny and a new classification for Southeast Asian and Melanesian forest frogs (family Ceratobatrachidae). *Zoological Journal of the Linnean Society* 174: 130–168. **[5]**

Brown TK, Nagy KA. 2007. Lizard energetics and the sit-and-wait vs. wide-foraging paradigm. *In* Reilly SM, McBrayer LS, Miles DB. (eds.). *Lizard Ecology* pp. 120–140. Cambridge University Press, Cambridge. **[7, 15]**

Brown WS, Parker WS. 1976. Movement ecology of *Coluber constrictor* near communal hibernacula. *Copeia* 1976: 225–242. **[12]**

Bruce RC, Hairston NG. 1990. Life-history correlates of body-size differences between two populations of the salamander, *Desmognathus monticola*. *Journal of Herpetology* 24: 126–134. **[8]**

Bruce RC, Jaeger RG, Houck LD (eds.). 2000. *The Biology of Plethodontid Salamanders*. Kluwer Academic, New York. **[1]**

Brunetti AE, Hermida GN, Faivovich J. 2012. New insights into sexual dimorphic skin glands of anurans: The structure and ultrastructure of the mental and lateral glands in *Hypsiboas punctatus* (Amphibia: Anura: Hylidae). *Journal of Morphology* 273: 1257–1271. **[13]**

Brunkow PE, Collins JP. 1996. Effects of individual variation in size on growth and development of larval salamanders. *Ecology* 77: 1483–1492. **[8]**

Brusatte SL, Benton MJ, Desojo JB, Langer MC. 2010. The higher-level phylogeny of Archosauria (Tetrapoda: Diapsida). *Journal of Systematic Palaeontology* 8: 3–47. **[2]**

Brusatte SL, Benton MJ, Lloyd GT, Ruta M, Wang SC. 2011. Macroevolutionary patterns in the evolutionary radiation of archosaurs (Tetrapoda: Diapsida). *Earth and Environmental Science Transactions of the Royal Society Edinburgh* 101: 367–382. **[2]**

Brust DG. 1993. Maternal brood care by *Dendrobates pumilio*: A frog that feeds its young. *Journal of Herpetology* 27: 96–98. **[8]**

Bryson RW, Jr., Tilston Smith B, Nieto-Montes de Oca A, García-Vázquez UO, Riddle BR. 2014. The role of mitochondrial introgression in illuminating the evolutionary history of Nearctic treefrogs. *Zoological Journal of the Linnean Society*. doi: 10.1111/zoj.12169. **[13]**

Buchanan BW, Taylor RC. 1996. Lightening the load: Micturition enhances jumping performance of squirrel treefrogs. *Journal of Herpetology* 30: 410–413. **[15]**

Buchholz DR, Hayes TB. 2002. Evolutionary patterns of diversity in spadefoot toad metamorphosis (Anura: Pelobatidae). *Copeia* 2002: 180–189. **[8]**

Buchowski MS. 2014. Doubly labeled water is a validated and verified reference standard in nutrition research. *Journal of Nutrition* 144: 573–574. **[7]**

Buckley LB. 2013. Getting real: Putting models of climate change and species interaction into practice. *Annals of the New York Academy of Science* 1297: 126–138. **[1]**

Buckley LB, Jetz W. 2010. Lizard community structure along environmental gradients. *Journal of Animal Ecology* 79: 358–365. **[16]**

Buckley LB, Rodda GH, Jetz W. 2008. Thermal and energetic constraints on ectotherm abundance: A global test using lizards. *Ecology* 89: 48–55. **[16]**

Buhlmann KA. 1996. Legislation and Conservation. U.S.A.: U.S. Fish and Wildlife Service. *Herpetological Review* 27: 54–55. **[17]**

Buhlmann KA, Gibbons JW. 1997. Imperiled aquatic reptiles of the southeastern United States: Historical review and current conservation status. *In* Benz G, Collins DE (eds.). *Aquatic Fauna in Peril: the Southeastern Perspective*, pp. 201–232. Lenz Design & Communications, Decatur, GA. **[17]**

Bull CM. 2000. Monogamy in lizards. *Behavioural Processes* 51: 7–20. **[14]**

Bull CM, Baghurst BC. 1998. Home-range overlap of mothers and their offspring in the sleepy lizard *Tiliqua rugosa*. *Behavioral Ecology and Sociobiology* 42: 357–362. **[12]**

Bull CM, Freake MJ. 1999. Home-range fidelity in the Australian sleepy lizard, *Tiliqua rugosa*. *Australian Journal of Zoology* 47: 125–132. **[12]**

Bull CM, Griffin CL, Johnston GR. 1999. Olfactory discrimination in scat-piling lizards. *Behavioral Ecology* 10: 136–140. **[13]**

Bull CM, Griffin CL, Lanham EJ, Johnston GR. 2000. Recognition of pheromones from group members in a gregarious lizard, *Egernia stokesii*. *Journal of Herpetology* 34: 92–99. **[13]**

Bull CM, Pamula Y. 1996. Sexually dimorphic head sizes and reproductive success in the sleepy lizard, *Tiliqua rugosa*. *Journal of Zoology* 240: 511–521. **[14]**

Bull JJ. 1983. *Evolution of Sex Determining Mechanisms*. Benjamin/Cummings Publishing Co., Menlo Park, CA. **[9]**

Bull JJ. 2004. Perspective on sex determination: Past and future. *In* Valenzuela N, Lance BA (eds.). *Temperature-Dependent Sex Determination in Vertebrates*, pp. 5–8. Smithsonian Institution Press, Washington, DC. **[9]**

Bullock DJ. 1986. The ecology and conservation of reptiles on Round Island and Gunner's Quoin, Mauritius. *Biological Conservation* 37: 135–156. **[4]**

Burbrink FT, Lawson R. 2007. How and when did Old World ratsnakes disperse into the New World? *Molecular Phylogenetics and Evolution* 43: 173–189. **[4, 5]**

Burchell WJ. 1822. *Travels in the Interior of Southern Africa*. Robert MacLahose and Company, Glasgow, Scotland (1953 reprint, Bathworth Press, London, UK). **[13]**

Burger J, Gochfeld M. 2014. Avian predation on Olive Ridley (*Lepidochelys olivacea*) sea turtle eggs and hatchlings; avian opportunities, turtle avoidance, and human protection. *Copeia* 2014: 109–122. **[15]**

Burggren WW. 1988. Role of the central circulation in regulation of cutaneous gas exchange. *American Zoologist* 28: 985–998. **[7]**

Burghardt GM. 1967. Chemical-cue preferences of inexperienced snakes: Comparative aspects. *Science* 157: 718–721. **[15]**

Burghardt GM. 1977. Of iguanas and dinosaurs: Social behavior and communication in neonate reptiles. *American Zoologist* 17: 177–190. **[12]**

Burghardt GM. 2013. Environmental enrichment and cognitive complexity in reptiles and amphibians: Concepts, review, and implications for captive populations. *Applied Animal Behaviour Science* 147: 286–298. **[15]**

Burghardt GM, Greene HW, Rand AS. 1977. Social behavior in hatchling green iguanas: Life at a reptile rookery. *Science* 195: 689–691. **[15]**

Burke RL. 1994. Diurnal aggregation of banded geckos under field conditions. *The Southwestern Naturalist* 39: 297–298. **[6]**

Burke VJ, Gibbons JW. 1995. Terrestrial buffer zones and wetland conservation: A case study of freshwater turtles in a Carolina Bay. *Conservation Biology* 9: 1365–1369. **[17]**

Burton TM, Likens GE. 1975. Energy flow and nutrient cycling in salamander populations in the Hubbard Brook Experimental Forest, New Hampshire. *Ecology* 56: 1068–1080. **[1]**

Butler MA. 2005. Foraging mode of the chameleon, *Bradypodion pumilum*: A challenge to the sit-and-wait versus active forager paradigm? *Biological Journal of the Linnean Society* 84: 797–808. **[15]**

Byrne M, Steane DA, Joseph L, Yeates DK, Jordan GJ, Crayn D, Weston PH. 2011. Decline of a biome: Evolution, contraction, fragmentation, extinction and invasion of the Australian mesic zone biota. *Journal of Biogeography* 38: 1635–1656. **[5]**

Byrne M, Yeates DK, Joseph L, Kearney M, Bowler J, Williams MAJ, Cooper S, Donnellan SC, Keogh JS, Leys R, Melville J, Murphy DJ, Porch N, Wyrwoll KH. 2008. Birth of a biome: Insights into the assembly and maintenance of the Australian arid zone biota. *Molecular Ecology* 17: 4398–4417. **[5]**

Byrne PG, Keogh JS. 2007. Terrestrial toadlets use chemosignals to recognize conspecifics, locate mates and strategically adjust calling behaviour. *Animal Behaviour* 74: 1155–1164. **[13]**

Byrne PG, Roberts JD, Simmons LW. 2002. Sperm competition selects for increased testes mass in Australian frogs. *Journal of Evolutionary Biology* 15: 347–355. **[14]**

Byrne PG, Roberts JD. 1999. Simultaneous mating with multiple males reduces fertilization success in the myobatrachid frog *Crinia georgiana*. *Proceedings of the Royal Society London B* 266: 717–721. **[14]**

Byrne PG, Roberts JD. 2000. Does multiple paternity improve fitness of the frog *Crinia georgiana*? *Evolution* 54: 968–973. **[14]**

Byrne PG, Roberts JD. 2012. Evolutionary causes and consequences of sequential polyandry in anuran amphibians. *Biological Reviews* 87: 209–228. **[14]**

Byrne PG, Whiting MJ. 2011. Effects of simultaneous polyandry on offspring fitness in an African tree frog. *Behavioral Ecology* 22: 385–391. **[14]**

Cadle JE. 1984a. Molecular systematics of neotropical xenodontine snakes. I. South American xenodontines. *Herpetologica* 40: 8–20. **[4]**

Cadle JE. 1984b. Molecular systematics of neotropical xenodontine snakes. II. Central American xenodontines. *Herpetologica* 40: 21–30. **[4]**

Cadle JE. 1984c. Molecular systematics of neotropical xenodontine snakes. III. Overview of xenodontine phylogeny and the history of New World snakes. *Copeia* 1984: 641–652. **[4]**

Cadle JE .1985. The neotropical colubrid snake fauna: Lineage components and biogeography. *Systematic Zoology* 34: 1–20. **[5]**

Cadle JE. 1988. Phylogenetic relationships among advanced snakes: A molecular perspective. *University of California Publications in Zoology* 119: 1–70. **[4]**

Cadle JE. 1994. The colubrid radiation in Africa (Serpentes: Colubridae): Phylogenetic relationships and evolutionary patterns based on immunological data. *Zoological Journal of the Linnean Society* 110: 103–140. **[4]**

Cadle JE. 1995. A new species of *Boophis* (Anura: Rhacophoridae) with unusual skin glands from Madagascar, and a discussion of variation and sexual dimorphism in *Boophis albilabris* (Boulenger). *Zoological Journal of the Linnean Society* 115: 313–345. **[3]**

Cadle JE. 1996. Snakes of the genus *Liopholidophis* (Colubridae) from eastern Madagascar: New species, revisionary notes, and an estimate of phylogeny. *Bulletin of the Museum of Comparative Zoology* 154: 369–464. **[4]**

Cadle JE. 1999. The dentition, systematics, and phylogeny of *Pseudoxyrhopus* and related genera from Madagascar (Serpentes, Colubridae), with descriptions of a new species and a new genus. *Bulletin of the Museum of Comparative Zoology* 155: 381–443. **[4]**

Cadle JE. 2003. Iguanidae (Oplurines), Oplurine lizards. *In* Goodman SM, Benstead J (eds.). *The Natural History of Madagascar*, pp. 983–986. University of Chicago Press, Chicago. **[4]**

Cadle JE, de Freitas S, Penny ND, Adams PA, Gonzales VA, Castañeda GG, Greenfield DW. 2009. Sexual dimorphism and reproductive biology in the Malagasy snake genus *Liopholidophis* (Lamprophiidae: Pseudoxyrhophiinae). *Proceedings of the California Academy of Sciences* 60: 461. **[4]**

Cadle JE, Dessauer HC, Gans C, Gartside DF. 1990. Phylogenetic relationships and molecular evolution in uropeltid snakes (Serpentes: Uropeltidae): Allozymes and albumin immunology. *Biological Journal of the Linnean Society* 40: 293–320. **[4]**

Cadle JE, Greene HW. 1993. Phylogenetic patterns, biogeography, and the composition of neotropical snake assemblages. *In* Ricklefs RE, Schluter D (eds.). *Species Diversity in Ecological Communities: Historical and Geographical Perspectives*, pp. 281–293. University of Chicago Press, Chicago. **[4, 9]**

Cai HX, Che J, Pang JF, Zhao EM, Zhang YP 2007. Paraphyly of Chinese *Amolops* (Anura, Ranidae) and phylogenetic position of the rare Chinese frog, *Amolops tormotus*. *Zootaxa* 1531: 49–55. **[3]**

Caldwell J. 2010. *World Trade in Crocodilian Skins 2006–2008*. United Nations Environment Programme, World Conservation Monitoring Centre, Cambridge, UK. **[17]**

Caldwell JP. 1993. Brazil nut fruit capsules as phytotelmata: Interactions among anuran and insect larvae. *Canadian Journal of Zoology* 71: 1193–1201. **[8]**

Caldwell JP, Araújo MC. 2004. Historical and ecological factors influence survivorship in two clades of phytotelm-breeding frogs (Anura: Bufonidae, Dendrobatidae). *Miscellaneous Publications of the Museum of Zoology University of Michigan* 193: 11–21. **[15]**

Caldwell JP, de Oliveira VRL. 1999. Determinants of biparental care in the spotted poison frog, *Dendrobates vanzolinii* (Anura: Dendrobatidae). *Copeia* 1999: 565–575. **[8]**

Caldwell MW, Nydam RL, Palci A, Apesteguía S. 2015. The oldest known snakes from the Middle Jurassic-Lower Cretaceous provide insights on snake evolution. *Nature Communications* 6: 5996. **[4]**

Caldwell MW. 2012. A challenge to categories: "What, if anything, is a mosasaur?" *Bulletin de la Société géologique de France* 183: 7–34. **[4]**

Callery EM, Fang H, Elinson R. 2001. Frogs without polliwogs: Evolution of anuran direct development. *BioEssays* 23: 233–241. **[8]**

Calsbeek R Sinervo B. 2002a. An experimental test of the ideal despotic distribution. *Journal of Animal Ecology* 71: 513–523. **[14]**

Calsbeek R, Alonzon SH, Zamudio K, Sinervo B. 2002. Sexual selection and alternative mating behaviours demonstrate demographic stochasticity in small populations. *Proceedings of the Royal Society London B* 269: 157–164. **[14]**

Calsbeek R, Sinervo B. 2002b. Uncoupling direct and indirect components of female choice in the wild. *Proceedings of the National Academy of Sciences USA* 99: 14897–14902. **[14]**

Camargo A, Sinervo B, Sites JW Jr. 2010. Lizards as model organisms for linking phylogeographic and speciation studies. *Molecular Ecology* 19: 3250–3270. **[1]**

Camin JH, Moss WW, Oliver JH, Singer G. 1967. Cloacaridae, a new family of cheyletoid mites from the cloaca of aquatic turtles. *Journal of Medical Entomology* 4: 261–272. **[15]**

Campbell HA, Watts ME, Sullivan S, Read MA, Choukroun S, Irwin SR, Franklin CE. 2010. Estuarine crocodiles ride surface currents to facilitate long-distance travel. *Journal of Animal Ecology* 79: 955–964. **[5]**

Campbell JA, Camarillo JL. 1992. The Oaxacan dwarf boa, *Exiliboa placata* (Serpentes: Tropidophiidae): Descriptive notes and life history. *Caribbean Journal of Science* 28: 17–20. **[4]**

Campbell JA, Camarillo JL. 1994. A new lizard of the genus *Diploglossus* (Anguidae: Diploglossinae) from Mexico, with a review of the Mexican and northern Central American species. *Herpetologica* 50: 193–209. **[4]**

Campbell JA, Frost DR. 1993. Anguid lizards of the genus *Abronia*: Revisionary notes, descriptions of four new species, a phylogenetic analysis, and key. *Bulletin of the American Museum of Natural History* 216: 1–121. **[4]**

Canedo C, Haddad, CF. 2012. Phylogenetic relationships within anuran clade Terrarana, with emphasis on the placement of Brazilian Atlantic rainforest frogs genus *Ischnocnema* (Anura: Brachycephalidae). *Molecular Phylogenetics and Evolution* 65: 610–620. **[3]**

Canjani C, Andrade DV, Cruz-Neto AP, Abe AS. 2003. Aerobic metabolism during predation by a boid snake. *Comparative Biochemistry and Physiology A* 133: 487–498. **[7]**

Cannatella DC, Trueb L. 1988a. Evolution of pipoid frogs: Intergeneric relationships of the aquatic frog family Pipidae (Anura). *Zoological Journal of the Linnean Society* 94: 1–38. **[3]**

Cannatella DC, Trueb L. 1988b. Evolution of pipoid frogs: Morphology and phylogenetic relationships of *Pseudhymenochirus*. *Journal of Herpetology* 22: 439–456. **[3]**

Capranica RR. 1965. *The Evoked Vocal Response of the Bullfrog: A Study in Communication by Sound*. MIT Press, Cambridge MA. **[13]**

Caprette CL. 2005. Conquering the cold shudder: The origin and evolution of snake eyes. Unpublished doctorial dissertation. The Ohio State University, Columbus, OH. **[4]**

Caprette CL, Lee MSY, Shine R, Mokany A, Downhower JF. 2004. The origin of snakes (Serpentes) as seen through eye anatomy. *Biological Journal of the Linnean Society* 81: 469–482. **[4]**

Caramaschi U, Napoli MF. 2012. Taxonomic revision of the *Odontophrynus cultripes* species group, with description of a new related species (Anura, Cycloramphidae). *Zootaxa* 3155: 1–20. **[3]**

Carazo P, Font E, Desfilis E. 2007. Chemosensory assessment of rival competitive ability and scent-mark function in a lizard, *Podarcis hispanica*. *Animal Behaviour* 74: 895–902. **[13]**

Carazo P, Font E, Desfilis E. 2008. Beyond ‘nasty neighbours’ and ‘dear enemies’? Individual recognition by scent marks in a lizard (*Podarcis hispanica*). *Animal Behaviour* 76: 1953–1963. **[13]**

Carazo P, Font E, Desfilis E. 2011. The role of scent marks in female choice of territories and refuges in a lizard (*Podarcis hispanica*). *Journal of Comparative Psychology* 125: 362–365. **[13]**

Card W, Kluge AG. 1995. Hemipeneal skeleton and varanid lizard systematics. *Journal of Herpetology* 29: 275–280. **[4]**

Cardwell MD. 2006. Rain-harvesting in a wild population of *Crotalus s. scutulatus* (Serpentes: Viperidae). *Herpetological Review* 37: 142–144. **[6]**

Carey C. 1993. Hypothesis concerning the causes of the disappearance of boreal toads from the mountains of Colorado. *Conservation Biology* 7: 355–362. **[17]**

Carey C, Cohen N, Rollins-Smith L. 1999. Amphibian declines: An immunological perspective. *Development and Comparative Immunology* 23: 459–472. **[17]**

Carpenter CC. 1978. Ritualistic social behaviors of lizards. *In* Greenberg N, MacLean PD (eds.). *Behavior and Neurology of Lizards*, pp. 253–267. National Institutes of Mental Health, Bethesda MD. **[13]**

Carpenter CC, Ferguson GW. 1977. Variation and evolution of stereotyped behavior in reptiles. *In* Gans C, Tinkle DW (eds.). *Biology of the Reptilia, Vol. 7: Ecology and Behaviour A.* Academic Press, New York. **[13]**

Carpenter GC. 1995. Modeling dominance: The influence of size, coloration, and experience on dominance relations in tree lizards, *Urosaurus ornatus*. *Herpetological Monographs* 9: 88–101. **[13]**

Carr A. 1955. *The Windward Road*. Alfred A. Knopf, New York. **[17]**

Carr LW, Fahrig L. 2001. The effect of road traffic on two amphibian species of differing vagility. *Conservation Biology* 15: 1071–1078. **[17]**

Carranza S, Amat F. 2005. Taxonomy, biogeography and evolution of *Euproctus* (Amphibia: Salamandridae), with the resurrection of the genus *Calotriton* and the description of a new endemic species from the Iberian Peninsula. *Zoological Journal of the Linnean Society* 145: 555–582. **[3]**

Carranza S, Arnold EN 2003. Investigating the origin of transoceanic distributions: mtDNA shows *Mabuya* lizards (Reptilia, Scincidae) crossed the Atlantic twice. *Systematics and Biodiversity* 1: 275–282. **[5]**

Carranza S, Arnold EN, Geniez P, Roca J, Mateo JA. 2008. Radiation, multiple dispersal and parallelism in the skinks, *Chalcides* and *Sphenops* (Squamata: Scincidae), with comments on *Scincus* and *Scincopus* and the age of the Sahara Desert. *Molecular Phylogenetics and Evolution* 46: 1071–1094. **[4]**

Carranza S, Arnold EN, Geniez P, Roca J, Mateo JA. 2008. Radiation, multiple dispersal and parallelism in the skinks, *Chalcides* and *Sphenops* (Squamata: Scincidae), with comments on *Scincus* and *Scincopus* and the age of the Sahara Desert. *Molecular Phylogenetics and Evolution* 46: 1071–1094. **[5]**

Carranza S, Arnold EN, Mateo JA, López-Jurado LF. 2001. Parallel gigantism and complex colonization patterns in the Cape Verde scincid lizards *Mabuya* and *Macroscincus* (Reptilia: Scincidae) revealed by mitochondrial DNA sequences. *Proceedings of the Royal Society London B* 268: 1595–1603. **[5]**

Carranza S, Harris DJ, Arnold EN, Batista V, Gonzalez de la Vega JP. 2006. Phylogeography of the lacertid lizard, *Psammodromus algirus*, in Iberia and across the Strait of Gibraltar. *Journal of Biogeography* 33: 1279–1288. **[5]**

Carrier DR. 1986. Lung ventilation during walking and running in four species of lizards. *Experimental Biology* 47: 33–42. **[7]**

Carrier DR. 1987. The evolution of locomotor stamina in tetrapods: Circumventing a mechanical constraint. *Paleobiology* 13: 326–341. **[7]**

Carroll RL, Baird. D. 1972. Carboniferous stem-reptiles of the family Romeriidae. *Bulletin of the Museum of Comparative Zoology* 143: 321–363. **[2]**

Carroll RL. 1988. *Vertebrate Paleontology and Evoloution*. W.H. Freeman, New York. **[2, 4]**

Carroll RL. 1998. Cranial anatomy of ophiderpetontid aïstopods: Palaeozoic limbless amphibians. *Zoological Journal of the Linnean Society of London* 122: 143–166. **[2]**

Carroll RL. 2000. *Eocaecilia* and the origin of caecilians. *In* Heatwole H, Carroll RL (eds.). *Amphibian Biology, Vol. 4: Palaeontology, the Evolutionary History of Amphibians*, pp. 1402–1411. Surrey Beatty Sons, Chipping Norton, New South Wales, Australia. **[3]**

Carroll RL. 2007. The Palaeozoic ancestry of salamanders, frogs, and caecilians. *Zoological Journal of the Linnean Society of London* 150 (Suppl. 1): 1–140. **[2]**

Carstens BC, Degenhardt JD, Stevenson AL, Sullivan J. 2005. Accounting for coalescent stochasticity in testing phylogeographical hypotheses: modelling Pleistocene population structure in the Idaho giant salamander *Dicamptodon aterrimus*. *Molecular Ecology* 14: 255–265. **[3]**

Carter DB. 1999. Nesting and evidence of parental care by the lace monitor *Varanus varius*. *Mertensiella* 11: 137–147. **[9]**

Carter SL, Haas CA, Mitchell JC. 1999. Home range and habitat selection of bog turtles in southwestern Virginia. *Journal of Wildlife Management* 63: 853–860. **[12]**

Caruso NM, Sears MW, Adams DC, Lips KR. 2014. Widespread rapid reductions in body size of adult salamanders in response to climate change. *Global Change Biology*. doi: 10.1111/gcb.12550. **[17]**

Case TJ, Bolger DT. 1991. The role of introduced species in shaping the distribution and abundance of island reptiles. *Evolutionary Ecology* 5: 272–290. **[5]**

Casewell NR, Wagstaff SC, Harrison RA, Renjifo C, Wüster W. 2011. Domain loss facilitates accelerated evolution and neofunctionalization of duplicate snake venom metalloproteinase toxin genes. *Molecular Biology and Evolution* 28: 2637–2649. **[11]**

Casey JP. James MC, Willard AS. 2014, Behavioral and metabolic contributions to thermoregulation in freely swimming leatherback turtles at high latitudes. *Journal of Experimental Biology* 217: 2331–2337. **[6]**

Caspers BA, Krause ET, Hendrix R, Kopp M, Rupp O, Rosentreter K, Steinfartz S. 2014. The more the better: Polyandry and genetic similarity are positively linked to reproductive success in a natural population of terrestrial salamanders (*Salamandra salamandra*). *Molecular Ecology* 23: 239–250. **[14]**

Castañeda MDR, de Queiroz K. 2011. Phylogenetic relationships of the *Dactyloa* clade of *Anolis* lizards based on nuclear and mitochondrial DNA sequence data. *Molecular Phylogenetics and Evolution* 61: 784–800. **[4]**

Castañeda MDR, de Queiroz K. 2013. Phylogeny of the *Dactyloa* clade of *Anolis* lizards: New insights from combining morphological and molecular data. *Bulletin of the Museum of Comparative Zoology* 160: 345–398. **[4]**

Castanet J, Newman DG, Saint Giron H. 1988. Skeletochronological data on the growth, age, and population structure of the tuatara, *Sphenodon punctatus*, on Stephens and Lady Alice Island, New Zealand. *Herpetologica* 44: 25–37. **[1]**

Castellano S, Gamba M. 2011. Marathon calling: Acoustic variation during sustained calling in treefrogs. *Ethology Ecology and Evolution* 23: 329–342. **[14]**

Castellano S, Zanollo V, Marconi V, Berto G. 2009. The mechanisms of sexual selection in a lek-breeding anuran, *Hyla intermedia. Animal Behaviour* 77: 213–224. **[14]**

Castilla AM, van Damme R. 1996. Cannibalistic propensities in the lizard *Podarcis hispanica atrata*. *Copeia* 1996: 991–994. **[12]**

Castoe TA, Daza JM, Smith EN, Sasa MM, Kuch U, Campbell JA, Parkinson CL. 2009. Comparative phylogeography of pitvipers suggests a consensus of ancient Middle American highland biogeography. *Journal of Biogeography* 36: 88–103. **[4]**

Castoe TA, de Koning AJ, Hall KT, Yokoyama KD, Gu W, Smith EN, Pollock DD. 2011. Sequencing the genome of the Burmese python (*Python molurus bivittatus*) as a model for studying extreme adaptations in snakes. *Genome Bioliology* 12: 406. **[4]**

Castoe TA, Doan TM, Parkinson CL. 2004. Data partitions and complex models in Bayesian analysis: The phylogeny of gymnophthalmid lizards. *Systematic Biology* 53: 448–469. **[4]**

Castoe TA, Parkinson CL. 2006. Bayesian mixed models and the phylogeny of pitvipers (Viperidae: Serpentes). *Molecular Phylogenetics and Evolution* 39: 91–110. **[4]**

Castoe TA, Sasa MM, Parkinson CL. 2005. Modeling nucleotide evolution at the mesoscale: The phylogeny of the Neotropical pitvipers of the *Porthidium* group (Viperidae: Crotalinae). *Molecular Phylogenetics and Evolution* 37: 881–898. **[4]**

Castoe TA, Smith EN, Brown RM, Parkinson CL. 2007. Higher-level phylogeny of Asian and American coralsnakes, their placement within the Elapidae (Squamata), and the systematic affinities of the enigmatic Asian coral snake *Hemibungarus calligaster* (Wiegmann, 1834). *Zoological Journal of the Linnean Society* 151: 809–831. **[4]**

Castroviejo-Fisher S, Guayasamin JM, Gonzalez-Voyer A, Vilà C. 2014. Neotropical diversification seen through glassfrogs. *Journal of Biogeography* 41: 66–80. **[3]**

Castroviejo-Fisher S, Pérez-Peña PE, Padial JM, Guayasamin JM. 2012. A second species of the family Allophrynidae (Amphibia: Anura). *American Museum Novitates* 3739: 1–17. **[3]**

Caswell H. 2001. *Matrix Population Models: Construction, Analysis, and Interpretation*, Second Ed. Sinauer Associates, Sunderland, MA. **[16]**

Catenazzi A, Lehr E, Rodriguez LO, Vredenburg VT. 2011. *Batrachochytrium dendrobatidis* and the collapse of anuran species richness and abundance in the Upper Manu National Park, Southeastern Peru. *Conservation Biology* 25: 382–391. **[17]**

Catullo RA, Doughty P, Roberts JD, Keogh JS. 2011. Multi-locus phylogeny and taxonomic revision of *Uperoleia* toadlets (Anura: Myobatrachidae) from the western arid zone of Australia, with a description of a new species. *Zootaxa* 2902: 1–43. **[3]**

Catullo RA, Keogh SJ. 2014. Aridification drove repeated episodes of diversification between Australian biomes: Evidence from a multi-locus phylogeny of Australian toadlets (*Uperoleia*: Myobatrachidae). *Molecular Phylogenetics and Evolution* 79: 106–117. **[5]**

Catullo RA, Lanfear RA, Doughty P, Keogh JS. 2014. The biogeographical boundaries of northern Australia: evidence from ecological niche models and a multi-locus phylogeny of *Uperoleia* toadlets (Anura: Myobatrachidae). *Journal of Biogeography* 41: 659–672. **[3]**

Caut S, Holden M, Jowers MJ, Boistel R, Ineich I. 2013 Is Bocourt's Terrific skink really so terrific? Trophic myth and reality. *PLoS One* 8(10): e78638. doi: 10.1371/journal.pone.0078638. **[17]**

Cayot LJ. 2008. The restoration of giant tortoise and land iguana populations in Galápagos. *Notícias de Galápagos* 43: 39–43. **[17]**

Cei JM. 1962. *Batracios de Chile*. Universidad de Chile, Santiago. **[3]**

Cei JM. 1980. *Amphibians of Argentina*. Monitore Zoologico Italiano n.s. Monografia 2: 609 pp. **[3]**

Censky EJ, Hodge K, Dudley J. 1998. Over-water dispersal of lizards due to hurricanes. *Nature* 395: 556. **[5]**

Chabreck RH, Joanen T. 1979. Growth rates of American alligators in Louisiana. *Herpetologica* 35: 51–57. **[14]**

Chalcraft DR, Andrews RM. 1999. Predation on lizard eggs by ants: Species interactions in a variable physical environment. *Oecologia* 119: 285–292. **[16]**

Chan LM, Choi D, Raselimanana AP, Rakotondravony HA, Yoder AD. 2012. Defining spatial and temporal patterns of phylogeographic structure in Madagascar's iguanid lizards (genus *Oplurus*). *Molecular Ecology* 21: 3839–3851. **[4]**

Chandler CH, Janzen FJ. 2009. The phylogenetic position of the snapping turtles (Chelydridae) based on nucleotide sequence data. *Copeia* 2009: 209–213. **[4]**

Chandler CH, Zamudio KR. 2008. Reproductive success by large, closely related males facilitated by sperm storage in an aggregate breeding amphibian. *Molecular Ecology* 17: 1564–1576. **[14]**

Channing A 1978. A new bufonid genus (Amphibia: Anura) from Rhodesia. *Herpetologica* 34: 394–397. **[3]**

Channing A, Schmitz A, Burger M, Kielgast J. 2013. A molecular phylogeny of African Dainty Frogs, with the description of four new species (Anura: Pyxicephalidae: *Cacosternum*). *Zootaxa* 3701: 518–550. **[3]**

Chaparro JC, Pramuk JB, Gluesenkamp AG. 2007. A new species of arboreal *Rhinella* (Anura: Bufonidae) from cloud forest of southeastern Peru. *Herpetologica* 63: 203–212. **[3]**

Chapple DG, Hoskin CJ, Chapple SN, Thompson MB. 2011. Phylogeographic divergence in the widespread delicate skink (*Lampropholis delicata*) corresponds to dry habitat barriers in eastern Australia. *BMC Evolutionary Biology* 11: 191. **[5]**

Chapple DG. 2003. Ecology, life-history, and behavior in the Australian scincid genus *Egernia* with comments on the evolution of complex sociality in lizards. *Herpetological Monographs* 17: 145–180. **[12]**

Charnov EL, Bull JJ. 1977. When is sex environmentally determined? *Nature* 266: 828–830. **[9]**

Che J, Hu JS, Zhou WW, Murphy RW, Papenfuss TJ, Chen MY, Zhang YP. 2009. Phylogeny of the Asian spiny frog tribe Paini (family Dicroglossidae) *sensu* Dubois. *Molecular Phylogenetics and Evolution* 50: 59–73. **[3]**

Che J, Pang J, Zhao H, Wu GF, Zhao EM, Zhang YP. 2007. Phylogeny of Raninae (Anura: Ranidae) inferred from mitochondrial and nuclear sequences. *Molecular Phylogenetics and Evolution* 43: 1–13. **[3]**

Che J, Zhou WW, Hu JS, Yan F, Papenfuss TJ, Wake DB, Zhang YP 2010. Spiny frogs (Paini) illuminate the history of the Himalayan region and Southeast Asia. *Proceedings of the National Academy of Sciences USA* 107: 13765–13770. **[3]**

Chelazzi G. 1992. Reptiles. *In* Papi F (ed.). *Animal Homing*, pp. 235–261. Chapman and Hall, New York. **[12]**

Chelazzi G, Delfino G. 1986. A field test on the use of olfaction in homing by *Testudo hermanni* (Reptilia: Testudinidae). *Journal of Herpetology* 20: 451–455. **[12]**

Chen X, Chen Z, Jiang J, Qiao L, Lu Y, Zhou K, Liu J. 2013. Molecular phylogeny and diversification of the genus *Odorrana* (Amphibia, Anura, Ranidae) inferred from two mitochondrial genes. *Molecular Phylogenetics and Evolution* 69: 1196–1202. **[4]**

Chen, L, Murphy RW, Lathrop A, Ngo A, Orlov NL, Ho CT, Somorjai IL. 2005. Taxonomic chaos in Asian ranid frogs: An initial phylogenetic resolution. *The Herpetological Journal* 15: 231–243. **[3]**

Chen, X, Chen Z, Jiang J, Qiao L, Lu Y, Zhou K, Liu J. 2013. Molecular phylogeny and diversification of the genus *Odorrana*(Amphibia, Anura, Ranidae) inferred from two mitochondrial genes. *Molecular Phylogenetics and Evolution* 69: 1196–1202. **[3]**

Cheng TL, Rovito SM, Wake DB, Vredenburg VT. 2011. Coincident mass extirpation of neotropical amphibians with the emergence of the infectious fungal pathogen *Batrachochytrium dendrobatidis*. *Proceedings of the National Academy of Sciences USA 1*08: 9502–9507. **[3]**

Cheung SM, Dudgeon D. 2006. Quantifying the Asian turtle crisis: Market surveys in southern China, 2000–2003. *Aquatic Conservation: Marine and Freshwater Ecosystems* 16: 751–770. **[17]**

Chiari Y, Cahais V, Galtier N, Delsuc F. 2012. Phylogenomic analyses support the position of turtles as the sister group of birds and crocodiles (Archosauria). *BMC Biology* 10: 65. **[2]**

Chippindale PT, Bonett RM, Baldwin AS, Wiens JJ. 2004. Phylogenetic evidence for a major reversal of life−history evolution in plethodontid salamanders. *Evolution* 58: 2809–2822. **[1, 3, 8]**

Chiszar DR, Lee KK, Radcliffe CW, Smith HM. 1992. Searching behaviors by rattlesnakes following predatory strikes. *In* Campbell JA, Brodie ED Jr. (eds.). *Biology of Pitvipers*, pp. 369–388. Selva, Tyler, TX. **[11]**

Chouinard AJ. 2012. Rapid onset of mate quality assessment via chemical signals in a woodland salamander (*Plethodon cinereus*). *Behavioral Ecology and Sociobiology* 66: 765–775. **[14]**

Christensen CB , Lauridsen H, Christensen–Dalsgaard J, Pedersen M, Madsen PT. 2015. Better than fish on land? Hearing across metamorphosis in salamanders. *Proceedings of the Royal Society London* 282. doi: 10.1098/rspb.2014.1943. **[2]**

Christian KA, Baudinette RV, Pamula Y. 1997. Energetic costs of activity by lizards in the field. *Functional Ecology* 11: 392–397. **[7]**

Christian KA, Tracy CR. 1981. The effect of thermal environment on the ability of hatchling Galápagos land iguanas to avoid predation during dispersal. *Oecologia* 49: 218–223. **[7]**

Christian KA, Tracy CR, Porter WP. 1986 The effect of cold exposure during incubation of *Sceloporus undulatus* eggs. *Copeia* 1986: 1012–1014. **[9]**

Cieri RL, Craven BA, Schachner ER, Farmer CG. 2014. New insight into the evolution of the vertebrate respiratory system and the discovery of unidirectional airflow in iguana lungs. *Proceedings of the National Academy of Sciences USA* 111: 17218–17223. **[7]**

Cincotta RP, Wisnewski J, Engelman R. 2000. Human populations in the biodiversity hotspots. *Nature* 404: 990–992. **[17]**

Ciofi C, Puswati J, Winana D, de Boer ME, Chelazzi G, Sastrawan P. 2007. Preliminary analysis of home range structure in the Komodo dragon, *Varanus komodoensis*. *Copeia* 2007: 462–470. **[12]**

Cisneros-Heredia DF, McDiarmid RW. 2007. Revision of the characters of Centrolenidae (Amphibia: Anura: Athesphatanura), with comments on its taxonomy and the description of new taxa of glassfrogs. *Zootaxa* 1572: 1–82. **[3]**

Cisternas J, Correa C, Velásquez N, Penna M. 2013. Reproductive features of *Chaltenobatrachus grandisonae* (Anura: Batrachylidae) within a protected area in Patagonia, Chile. *Revista Chilena de Historia Natural* 86: 365–368. **[3]**

Clack JA. 1998. The neurocranium of *Acanthostega gunnari* Jarvik and the evolution of the otic region in tetrapods. *Zoological Journal of the Linnean Society* 122: 61–97. **[2]**

Clack JA. 2002. *Gaining Ground: The Origin and Early Evolution of Tetrapods*. Indiana University Press, Bloomington. **[2]**

Clack JA, Ahlberg PE, Finney SM, Alonso PD, Robinson J, Ketcham RA. 2003. A uniquely specialized ear in a very early tetrapod. *Nature* 425: 65–69. **[2]**

Clark RW, Brown WS, Stechert R, Zamudio KR. 2010. Roads, interrupted dispersal and genetic diversity in timber rattlesnakes. *Conservation Biology* 24: 1059–1069. **[12, 17]**

Clark RW, Marchand MN, Clifford BJ, Stechert R, Stephens S. 2011. Decline of an isolated timber rattlesnake (*Crotalus horridus*) population: Interactions between climate change, disease, and loss of genetic diversity. *Biological Conservation* 144: 886–891. **[17]**

Clark VC, Raxworthy CJ, Rakotomalala V, Sierwald P, Fisher BL. 2005. Convergent evolution of chemical defense in poison frogs and arthropod prey between Madagascar and the Neotropics. *Proceedings of the National Academy of Sciences USA* 102: 11617–11622. **[2]**

Clarke BT. 1987. A description of the skeletal morphology of *Barbourula* (Anura: Discoglossidae), with comments on its relationships. *Journal of Natural History* 21: 879–891. **[3]**

Clarke BT. 1997. The natural history of amphibian skin secretions, their normal functioning and potential medical applications. *Biological Reviews* 72: 365–379. **[15]**

Clarke NJ, Gordos MA, Franklin CE. 2008. Diving behaviour, aquatic respiration and blood respiratory properties: a comparison of hatchling and juvenile Australian turtles. *Journal of Zoology* 275: 399–406. **[7]**

Clemente-Carvalho RB, Klaczko J, Ivan Perez S, Alves AC, Haddad CF, Dos Reis SF. 2011. Molecular phylogenetic relationships and phenotypic diversity in miniaturized toadlets, genus *Brachycephalus*(Amphibia: Anura: Brachycephalidae). *Molecular Phylogenetics and Evolution* 61 79–89. **[3]**

Cleuren J, De Vree F. 2000. Feeding in crocodilians. *In* Schwenk K (ed.). *Feeding: Form, Function, and Evolution in Tetrapod Vertebrates*, pp. 337–358. Academic Press, San Diego, CA. **[11]**

Close M, Cundall D. 2013. Snake lower jaw skin: Extension and recovery of a hyperextensible keratinized integument. *Journal of Experimental Zoology* 321A: 78–97. **[11]**

Close M, Perni S, Franzini-Armstrong C, Cundall D. 2014. Highly extensible skeletal muscle in snakes. *Journal of Experimental Biology* 217: 2445–2448. **[11]**

Clusella-Trullas S, Blackburn TM, Chown SL. 2011. Climatic predictors of temperature performance curve parameters in ectotherms imply complex responses to climate change. *The American Naturalist* 177: 738–751. **[1]**

Clutton-Brock TH. 1991. *The Evolution of Parental Care*. Princeton University Press, Princeton, NJ. **[8]**

Coates AG, Obando JA. 1996. The geologic evolution of the Central American Isthmus. *In* Jackson JB, Budd AF, Coates AG (eds.). *Evolution and Environment in Tropical America*, pp. 21–56. University of Chicago Press, Chicago. **[5]**

Coates MI. 1996. The Devonian tetrapod *Acanthostega gunnari* Jarvik: Postcranial anatomy, basal tetrapod interrelationships and patterns of skeletal evolution. *Transactions of the Royal Society of Edinburg, Earth Sciences*. 87: 363–421. **[2]**

Coates MI, Clack JA. 1991. Fishlike gills and breathing in the earliest known tetrapod. *Nature* 352: 234–236. **[2]**

Coates, MI, M. Ruta, and M. Friedman. 2008. Ever since Owen: Changing perspectives on the early evolution of tetrapods. *Annual Review of Ecology, Evolution, and Systematics* 39: 571–592. **[2]**

Cocroft RB, Hambler K. 1989. Observations on a commensal relationship of the microhylid frog *Chiasmocleis ventrimaculata* and the burrowing theraphosid spider *Xenesthis immanis* in southeastern Peru. *Biotropica* 21: 2–8. **[3]**

Cody S, Richardson JE, Rull V, Ellis C, Pennington RT. 2010. The great American biotic interchange revisited. *Ecography* 33: 326–332. **[5]**

Cogger HG, Zweifel RG, (eds.). 1992. *Reptiles and Amphibians*. Smithmark, New York. ***[15]***

Cohn MJ, Tickle C. 1999. Developmental basis of limblessness and axial patterning in snakes. *Nature* 399: 474–479. **[9]**

Cole LC. 1954. The population consequences of life history phenomena. *Quarterly Review of Biology* 29: 103–137. **[9]**

Collar DC, Schulte J II, Losos JB. 2011. Evolution of extreme body size disparity in monitor lizards (*Varanus*). *Evolution* 65: 2664–2680. **[4]**

Colli GR, Zatz MG, da Cunha HJ. 1998. Notes on the ecology and geographical distribution of the rare gymnophthalmid lizard *Bachia bresslaui*. *Herpetologica* 54: 169–174. **[4]**

Collier JS, Sansom V, Ishizuka O, Taylor RN, Minshull TA, Whitmarsh RB. 2008. Age of Seychelles–India breakup. *Earth and Planetary Science Letters* 272: 264–277. **[5]**

Collins JP, Crump ML. 2009. *Extinction in Our Times: Global Amphibian Decline*. Oxford University Press, New York. **[17]**

Collins JP, Crump ML. 2009. *Global Amphibian Extinctions: The Mysterious Environmental Die-off*. Oxford University Press, New York. **[1]**

Comanns P, Effertz C, Hischen F, Staudt K, Böhme W, Baumgartner W. 2011. Moisture harvesting and water transport through specialized micro-structures on the integument of lizards. *Beilstein Journal of Nanotechnology* 2: 204–214. **[6]**

Congdon JD, Dunham AE, Van Loben Sels RC. 1993. Delayed sexual maturity and demographics of Blanding's turtles (*Emydoidea blandingii*): Implications for conservation and management of long-lived organisms. *Conservation Biology* 7: 826–833. **[17]**

Congdon JD, Dunham AE, Van Loben Sels RC. 1994. Demographics of common snapping turtles (*Chelydra serpentina*): Implications for conservation and management of long-lived organisms. *American Zoologist* 34: 397–408. **[17]**

Congdon JD, Gibbons JW. 1987. Morphological constraint on egg size: A challenge to optimal egg size theory? *Proceedings of the National Academy of Sciences USA* 84: 4145–4147. **[9]**

Congdon JD, Tinkle DW, Breitenbach GL, van Loben Sels RC. 1983. Nesting ecology and hatching success in the turtle *Emydoidea blandingi*. *Herpetologica* 39: 417–429. **[15]**

Conlon JM 2011. Structural diversity and species distribution of host-defense peptides in frog skin secretions. *Cellular and Molecular Life Sciences* 68: 2303–2315. **[3]**

Conlon JM, Bevier CR, Coquet L, Leprince J, Jouenne T, Vaudry H, Hossack BR. 2007. Peptidomic analysis of skin secretions supports separate species status for the tailed frogs, Ascaphus truei and Ascaphus montanus. *Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*. 2: 121–125. **[3]**

Conlon JM, Mechkarska M, Prajeep M, Arafat K, Zaric M, Lukie ML, Attoub S. 2013. Transformation of the naturally occurring frog skin peptide, alyteserin-2α into a potent nontoxic anticancer agent. *Amino Acids* 44: 715–723. **[1]**

Conlon JM, Sonnevend A. 2011. Clinical applications of amphibian antimicrobial peptides. *Journal of Medical Sciences* 4: 62–72. **[1]**

Conlon JM. 2011a. Structural diversity and species distribution of host-defense peptides in frog skin secretions. *Cellular and Molecular Life Sciences* 68: 2303–2315. **[1, 17]**

Conlon JM. 2011b. The contribution of skin antimicrobial peptides to the system of innate immunity in anurans. *Cell and Tissue Research* 343: 201–212. **[17]**

Connette GM, Semlitsch RD. 2011. Successful use of a passive integrated transponder (PIT) system for below-ground detection of plethodontid salamanders. *Wildlife Research* 39: 1–6. **[12]**

Conrad JL. 2006. An Eocene shinisaurid (Reptilia, Squamata) from Wyoming, USA. *Journal of Vertebrate Paleontology* 26: 113–126. **[4]**

Conrad JL. 2008. Phylogeny and systematics of Squamata (Reptilia) based on morphology. *Bulletin of the American Museum of Natural History* 310: 1–182. **[4]**

Conrad JL, Ast JC, Montanari S, Norell MA. 2011. A combined evidence phylogenetic analysis of Anguimorpha (Reptilia: Squamata). *Cladistics* 27: 230–277. **[4]**

Conradie W, Branch WR, Measey GJ, Tolley KA. 2012. A new species of *Hyperolius* Rapp, 1842 (Anura: Hyperoliidae) from the Serra da Chela mountains, south-western Angola. *Zootaxa* 3269: 1–17. **[3]**

Conservation International. 2011. *The World's 10 Most Threatened Forest Hotspots*. www.conservation.org/newsroom/pressreleases/Pages/The-Worlds–10-Most-Threatened-Forest-Hotspots.aspx **[17]**

Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES). 2014. www.cites.org/eng/app/appendices.php **[17]**

Cooke RG. 1989. Anurans as human food in tropical America: Ethnographic, ethnohistoric and archaeological evidence. *Archaeozoologia* 3: 123–142. **[17]**

Cooper WE Jr. 2005. Ecomorphological variation in foraging behaviour by Puerto Rican *Anolis* lizards. *Journal of Zoology, London* 265: 133–139. **[5]**

Cooper WE Jr. 2005. The foraging mode controversy: Both continuous variation and clustering of movements occur. *Journal of Zoology London* 267: 179–190. **[15]**

Cooper WE Jr. 2007. Lizard chemical senses, chemosensory behavior, and foraging mode. *In* Reilly SM, McBrayer LD, Miles DB (eds.). *Lizard Ecology: The Evolutionary Consequences of Foraging Mode*, pp. 237–270. Cambridge University Press, Cambridge. **[15]**

Cooper WE Jr., Vitt LJ. 1986. Lizard pheromones: ehavioral responses and adaptive significance in skinks of the genus *Eumeces*. *In* Duvall D, Muller-Schwarze D, Silverstein RM (eds.). *Chemical Signals in Vertebrates, Vol. 4*: *Ecology, Evolution, and Comparative Biology*, pp. 323–340. Plenum Press, New York. **[13]**

Cooper WE Jr., Vitt LJ. 1993. Female mate choice of large male broad-headed skinks. *Animal Behaviour* 45: 683–693. **[14]**

Cooper WE Jr., Vitt LJ. 1997. Maximizing male reproductive success in the broad-headed skink (*Eumeces laticeps*): Preliminary evidence for mate guarding, size-assortative pairing, and opportunistic extra-pair mating. *Amphibia-Reptilia* 18: 59–73. **[14]**

Cooper WE Jr, Vitt LJ. 2002. Distribution, extent, and evolution of plant consumption by lizards. *Journal of Zoology London* 257: 487–517. **[15]**

Cooper WE Jr., Whiting MJ, van Wyk JH. 1997. Foraging modes of cordyliform lizards. *South African Journal of Zoology* 32: 9–13. **[12]**

Cooper WE, Jr., Greenberg N. 1992. Reptilian coloration and behavior. *In* Gans C, Crews D (eds.). *Biology of the Reptilia, Vol. 18: Physiology E, Hormones, Brain, and Behavior*, pp. 298–422. University of Chicago Press, Chicago. **[13]**

Córdova JH, Descailleaux J, Lavilla EO, De La Riva I, Font E, Lluch J. 2005. El análisis cladístico preliminar de los cariotipos de cinco especies de Telmatobius y dos de Batrachophrynus no apoya su separación genérica. Estudios sobre las ranas andinas de los géneros *Telmatobius* y *Batrachophrynus* (Anura: Leptodactylidae). *Monografías de Herpetología* 7: 187–218. **[3]**

Corkery I, Bell BD, Nelson NJ. 2014 Investigating kleptothermy: A reptile-seabird association with thermal benefits. *Physiological and Biochemical Zoology*, 87: 216–221. **[6]**

Corlett RT. 2009. *The Ecology of Tropical East Asia*. Oxford University Press, New York. **[5]**

Corn PS. 1998. Effects of ultraviolet radiation on boreal toads in Colorado. *Ecological Applications* 8: 18–26. **[17]**

Cornuau JH, Rat M, Schmeller DS, Loyau A. 2012. Multiple signals in the palmate newt: Ornaments help when courting. *Behavioral Ecology and Sociobiology* 66: 1045–1055. **[13]**

Correa C, Veloso A, Iturra P, Mendez MA. 2006. Phylogenetic relationships of Chilean leptodactylids: a molecular approach based on mitochondrial genes 12S and 16S. *Revista Chilena de Historia Natural* 79: 435–450. **[3]**

Corser JD. 2001. Decline of disjunct green salamander (*Aneides aeneus*) populations in the southern Appalachians. *Biological Conservation* 97: 119–126. **[17]**

Costanzo JP, do Amaral MCF, Rosendale AJ, Lee RE Jr.. 2013. Hibernation physiology, freezing adaptation and extreme freeze tolerance in a northern population of the wood frog. *Journal of Experimental Biology* 216: 3461–3473. **[7]**

Costanzo JP, Lee RE Jr. 2013. Avoidance and tolerance of freezing in ectothermic vertebrates. *Journal of Experimental Biology* 216: 1961–1967. **[7]**

Costanzo JP. Litzgus JD, Iverson JB, Lee RE Jr. et al. 2000. Ice nuclei in soil compromise cold hardiness of hatchling painted turtles (*Chrysemys picta*). *Ecology* 81: 346–360. **[7]**

Cote J, Clobert J, Fitze PS. 2007. Mother-offspring competition promotes colonization success. *Proceedings of the National Academy of Sciences USA* 104: 9703–9708. **[12]**

Cottone AM, Bauer AM 2010. Sexual dimorphism, diet, reproduction, and their geographic variation in sympatric psammophiids, *Psammophis crucifer* and *Psammophylax rhombeatus rhombeatus*, from southern Africa. *Copeia* 2010: 578–590. **[4]**

Cowles RB, Bogert CM. 1944. A preliminary study of the thermal requirements of desert reptiles. *Bulletin of the American Museum of Natural History* 83: 261–296. **[6]**

Cox RM, Calsbeek R. 2010. Severe costs of reproduction persist in *Anolis* lizards despite the evolution of a single-egg clutch. *Evolution* 64: 1321–1330. **[9]**

Cox RM, Parker EU, Cheney DM, Liebl AL, Martin LB, Calsbeek R. 2010. Experimental evidence for physiological costs underlying the trade-off between reproduction and survival. *Functional Ecology* 24: 1262–1269. **[9]**

Coyne JA, Orr HA. 2004. *Speciation*. Sinauer Associates, Sunderland, MA. **[5]**

Crawford AJ, Smith EN. 2005. Cenozoic biogeography and evolution in direct-developing frogs of Central America (Leptodactylidae: *Eleutherodactylus*) as inferred from a phylogenetic analysis of nuclear and mitochondrial genes. *Molecular Phylogenetics and Evolution* 35: 536–555. **[3]**

Crawford AJ, Wake DB. 1998. Phylogenetic and evolutionary perspectives on an enigmatic organ: the balancer of larval caudate amphibians. *Zoology 1*01: 107–123. **[3]**

Crawford NG, Faircloth BC, McCormack JE, Brumfield RT, Winker K, Glenn TC. 2012. More than 1000 ultraconserved elements provide evidence that turtles are the sister group of archosaurs. *Biology Letters* 8: 783–786. **[2]**

Crawford NG, Parham JF, Sellas AB, Faircloth BC, Glenn TC, Papenfuss TJ, Henderson JB, et al. 2015. A phylogenomic analysis of turtles. *Molecular Phylogenetics and Evolution* 83: 250–257. **[4]**

Cree A. 2014. *Tuatara*: *Biology and Conservation of a Venerable Survivor*. Canterbury University Press, Christchurh, NZ. **[1, 4]**

Cree A, Cockrem JF, Guillette LJ. 1992. Reproductive cycles of male and female tuatara (*Sphenodon punctatus*) on Stephens Island, New Zealand. *Journal of Zoology, London* 226: 199–217. **[9]**

Cree A, Daugherty CH, Hay JM. 1995a. Reproduction of a rare New Zealand reptile, the tuatara *Sphenodon punctatus*, on rat-free and rat-inhabited islands. *Conservation Biology* 9: 373–383. **[1]**

Cree A, Guillette LJ, Jr. 1995. Biennial reproduction with a 14-month pregnancy in the gecko *Hoplodactylus maculatus* from southern New Zealand. *Journal of Herpetology* 29: 163–173. **[9]**

Cree A, Thompson MB, Daugherty CH. 1995b. Tuatara sex determination. *Nature* 375: 543. **[1]**

Crews D. 1980. Interrelationships among ecological, behavioral, and neuroendocrine processes in the reproductive cycle of *Anolis carolinensis* and other reptiles. *Advances in the Study of Behavior* 11: 1–74. **[9]**

Crews D, Garstka WR. 1982. The ecological physiology of a garter snake. *Scientific American* 247: 158–168. **[9]**

Crews D, Moore MC. 1993. Psychobiology of reproduction of unisexual whiptail lizards. *In* Wright JW, Vitt LJ (eds.). *Biology of Whiptail Lizards* (Genus *Cnemidophorus*), pp. 257–282. Oklahoma Museum of Natural History, Norman, OK. **[9]**

Croshaw DA. 2010. Quantifying sexual selection: A comparison of competing indices with mating system data from a terrestrially breeding salamander. *Biological Journal of the Linnean Society* 99: 73–83. **[14]**

Croshaw DA, Scott DE. 2005. Experimental evidence that nest attendance benefits female marbled salamanders (*Ambystoma opacum*) by reducing egg mortality. *American Midland Naturalist* 154: 398–411. **[8]**

Crossland MR, Hearnden MN, Pizzatto L, Alford RA, Shine R. 2011. Why be a cannibal? The benefits to cane toad, *Rhinella marina* [*Bufo marinus*] tadpoles of consuming conspecific eggs. *Animal Behaviour* 82: 775–782. **[15]**

Crothers LR, Cummings ME. 2013. Warning signal brightness variation: Sexual selection may work under the radar of natural selection in populations of a polytypic poison frog. *American Naturalist* 181: E116-E124. **[13]**

Crothers LR, Gering E, Cummings M. 2010. Aposematic signal variation predicts male-male interactions in a polymorphic poison frog. *Evolution* 65: 599–605. **[13]**

Crowell Comuzzie DK, Owens DW. 1990. A quantitative analysis of courtship behavior in captive green sea turtles (*Chelonia mydas*). *Herpetologica* 46: 195–202. **[13]**

Cruickshank ARI, Skews BW. 1980. The functional significance of nectridean tabular horns (Amphibia: Lepospondyli). *Proceedings of the Royal Society London B* 209: 513–537. **[2]**

Crump D, Berrill M, Coulson D, Lean D, McGillivray L. Smith A. 1999. Sensitivity of amphibian embryos, tadpoles, and larvae to enhanced UV-B radiation in natural pond conditions. *Canadian Journal of Zoology* 77: 1956–1966. **[17]**

Crump ML. 1974. Reproductive strategies in a tropical anuran community. *Miscellaneous Publication Museum of Natural History, University of Kansas* 61: 1–68. **[8]**

Crump ML. 1981. Variation in propagule size as a function of environmental uncertainty for tree frogs. *American Naturalist* 117: 724–737. **[8]**

Crump ML. 1984. Intraclutch egg size variability in *Hyla crucifer* (Anura: Hylidae). *Copeia* 1984: 302–308. **[8]**

Crump ML. 1988. Aggression in harlequin frogs: Male-male competition and a possible conflict of interest between the sexes. *Animal Behaviour* 36: 1064–1077. **[13, 14]**

Crump ML. 1989. Life history consequences of feeding versus non-feeding in a facultatively non-feeding toad larva. *Oecologia* 78: 486–489. **[8]**

Crump ML. 1991. Choice of oviposition site and egg load assessment by a treefrog. *Herpetologica* 47: 308–315. **[16]**

Crump ML. 1992. Cannibalism in amphibians. *In* Elgar MA, BJ Crespi (eds.). *Cannibalism: Ecology and Evolution Among Diverse Taxa*, pp. 256–276. Oxford University Press, Oxford. **[15]**

Crump ML. 1995. Parental care. *In* Heatwole H, Sullivan BK (eds.). *Amphibian Biology, Vol. 2*, pp. 518–567. Surrey Beatty & Sons, Chipping Norton, New South Wales, Australia. **[8]**

Crump ML. 1996. Parental care among the Amphibia. *Advances in the Study of Behavior* 25: 109–144. **[8]**

Crump ML. 2015. Anuran reproductive modes: Evolving perspectives. *Journal of Herpetology* 49: 1–6. **[8]**

Crump ML. 2015. *Eye of Newt and Toe of Frog, Adder's Fork and Lizard's Leg: The Lore and Mythology of Amphibians and Reptiles*. University of Chicago Press, Chicago. **[17]**

Crump ML, Hensley FR, Clark KL. 1992. Apparent decline of the golden toad: Underground or extinct? *Copeia* 1992: 413–420. **[16, 17]**

Crump ML, Pounds JA. 1985. Lethal parasitism of an aposematic anuran (*Atelopus varius*) by *Notochaeta bufonivora* (Diptera: Sarcophagidae), *Journal of Parasitology* 71: 588–591. **[15]**

Cruz-Neto AP, Andrade DV, Abe AS. 2001. Energetic and physiological correlates of prey handling and ingestion in lizards and snakes. *Comparative Biochemistry and Physiology A* 128: 515–533. **[7]**

Cuadrado M. 2000. Body colors indicate the reproductive status of female common chameleons: Experimental evidence for the intersex communication function. *Ethology* 106: 79–91. **[13]**

Cuadrado M. 2001. Mate guarding and social mating system in male common chameleons (*Chamaeleo chamaeleon*). *Journal of Zoology* 255: 425–435. **[4]**

Cuadrado M. 2001. Mate guarding and social mating system in male common chameleons (*Chamaeleo chamaeleon*). *Journal of Zoology* 255: 425–435. **[14]**

Cuellar O. 1971. Reproduction and the mechanism of meiotic restitution in the parthenogenetic lizard *Cnemidophorus uniparens*. *Journal of Morphology* 133: 139–166. **[9]**

Cuello ME, Bello MT, Kun M, Úbeda CA. 2006. Feeding habits and their implications for the conservation of the endangered semiaquatic frog *Atelognathus patagonicus* (Anura, Neobatrachia) in a northwestern Patagonian pond. *Phyllomedusa* 5: 67–76. **[3]**

Cuevas CC, Formas JR. 2008. Cytogenetics of *Batrachyla* species (Anura: Neobatrachia: Ceratophryidae) of southern South America, with phylogenetics comments. *New Zealand Journal of Zoology* 35: 191–199. **[3]**

Cui J, Tang Y, Narins PM. 2011. Real estate ads in Emei music frog vocalizations: Female preferences for calls emanating from burrows. *Biology Letters* 8: 337–340. **[13]**

Cui J, Wang Y, Brauth S, Tang Y. 2010. A novel female call incites male-female interactions and male-male competition in the Emei music frog, *Babina daunchina*. *Animal Behaviour* 80: 181–187. **[13]**

Cummings ME, Crothers LR. 2013. Interacting selection diversifies warning signals in a polytypic frog: An examination with the strawberry poison frog. *Evolutionary Ecology* 27: 693–710. **[13]**

Cundall D. 1987. Functional morphology. *In* Seigel RA, Collins JT, Novak SS (eds). *Snakes: Ecology and Evolutionary Biology*, pp. 106–140. Macmillan, New York. **[10]**

Cundall D. 2002. Envenomation strategies, head form, and feeding ecology in vipers. *In* Schuett GW, Höggren M, Douglas ME, Greene HW (eds.). *Biology of the Vipers*, pp. 149–161. Eagle Mountain Publishing, Eagle Mountain, UT. **[11]**

Cundall D. 2009. Viper fangs: Functional limitations of extreme teeth. *Physiological and Chemical Zoology* 82: 63–79. **[11]**

Cundall D, Brainerd EL, Constantino J, Deufel A, Grapski D, Key NJ. 2012. Drinking in snakes: resolving a biomechanical puzzle. *Journal of Experimental Zoology 317A*: 152–172. **[11]**

Cundall D, Deufel A. 1999. Striking patterns in booid snakes. *Copeia* 1999: 868–883. **[11]**

Cundall D, Irish FJ. 1989. The function of the intramaxillary joint in the Round Island boa, *Casarea dussumieri*. *Journal of Zoology* 217: 569–598. **[4]**

Cundall D, Rossman DA. 1993. Cephalic anatomy of the rare Indonesian snake *Anomochilus weberi*. *Zoological Journal of the Linnean Society* 109: 235–273. **[4]**

Cundall D, Shardo J. 1995. Rhinokinetic snout of thamnophiine snakes. *Journal of Morphology* 225: 31–50. **[11]**

Cundall D, Wallach VM, Rossman DA. 1993. The systematic relationships of the snake genus *Anomochilus*. *Zoological Journal of the Linnean Society* 109: 275–299. **[4]**

Cunnington GM, Fahrig L. 2010. Plasticity in the vocalizations of anurans in response to traffic noise. *Acta Oecologia* 36: 463–470. **[17]**

Curado N, Hartel T, Arntzen JW. 2011. Amphibian pond loss as a function of landscape change: A case study over three decades in an agricultural area of northern France. *Biological Conservation* 144: 1610–1618. **[17]**

Curcio FF, Sales Nunes PM, Argolo AJS, Skuk G, Rodrigues MT. 2012. Taxonomy of the South American dwarf boas of the genus *Tropidophis* Bibron, 1840, with the description of two new species from the Atlantic forest (Serpentes: Tropidophiidae). *Herpetological Monographs* 26: 80–121. **[4]**

D'Amen M, Bombi P. 2009. Global warming and biodiversity: Evidence of climate-linked amphibian declines in Italy. *Biological Conservation* 142: 3060–3067. **[17]**

da Silva HR, Mendelson III JR. 1999. A new organ and sternal morphology in toads (Anura: Bufonidae): Descriptions, taxonomic distribution, and evolution. *Herpetologica* 55: 114–126. **[3]**

Da Silveira R, Ramalho EE, Thorbjarnarson JJ, Magnusson WE. 2010. Depredation by jaguars on caimans and importance of reptiles in the diet of jaguar. *Journal of Herpetology* 44: 418–424. **[15]**

Daltry JC, Wüster W, Thorpe RS. 1996. Diet and snake venom evolution. *Nature* 379: 537–540. **[11]**

Daly JW 1995. The chemistry of poisons in amphibian skin. *Proceedings of the National Academy of Sciences USA* 92: 9–13. **[3]**

Daly JW, Andriamaharavo NR, Andriantsiferana M, Myers CW. 1996. Madagascan poison frogs (*Mantella*) and their skin alkaloids. *American Museum Novitates* 3177: 1–34. **[3]**

Daly JW, Caceres J, Moni RW, Gusovsky F, Moos Jr M, Seamon KB, Milton K, Myers CW. 1992. Frog secretions and hunting magic in the upper Amazon: Identification of a peptide that interacts with an adenosine receptor. *Proceedings of the National Academy of Sciences USA* 89: 10960–10963. **[3, 17]**

Daly JW, Myers CW, Whittaker N. 1987. Further classification of skin alkaloids from neotropical poison frogs (Dendrobatidae), with a general survey of toxic/noxious substances in the amphibia. *Toxicon* 25: 1023–1095. **[3]**

Daly JW. 2003. Amphibian skin: A remarkable source of biologically active arthropod alkaloids (Ernest Guenther award in chemistry of natural products). *Journal of Medicinal Chemistry* 46: 445–452. **[15]**

Dantzler WH, Bradshaw SD. 2009. Osmotic and ionic regulation in reptiles. *In* Evans DS (ed.). *Osmotic and Ionic Regulation: Cells and Animals*. CRC Press, Boca Raton, FL. **[6]**

Darwin C. 1871. *The Descent of Man, and Selection in Relation to Sex*. 2 vols. D. Appleton, New York. **[14]**

Das I, Lakim M, Lim KK, Hui TH. 2008. New species of *Anomochilus* from Borneo (Squamata: Anomochilidae). *Journal of Herpetology* 42: 584–591. **[4]**

Datta-Roy A, Karanth KP. 2009. The out-of-India hypothesis: What do molecules suggest? *Journal of Biosciences* 34: 687–697. **[5]**

Daugherty CH, Cree A, Hay JM, Thompson MB. 1990. Neglected taxonomy and continuing extinctions of tuatara (*Sphenodon*). *Nature* 347: 177–179. **[4, 17]**

Davenport J, Munks A, Oxford PJ. 1984. A comparison of the swimming of marine and freshwater turtles. *Proceedings of the Royal Society London B* 220: 447–475. **[10]**

Davidson C, Shaffer HB, Jennings MR. 2001. Declines of the California red-legged frog: Climate, UV-B, habitat, and pesticides hypotheses. *Ecological Applications* 11: 464–479. **[17]**

Davies D. 1968. When did Seychelles leave India? *Nature* 220: 1225–1226. **[5]**

Davies NB, Halliday TR. 1979. Competitive mate searching in male common toads, *Bufo bufo*. *Animal Behaviour* 27: 1253–1267. **[14]**

Davis AR. 2011. Kin presence drives philopatry and social aggregation in juvenile Desert Night Lizards (*Xantusia vigilis*). *Behavioral Ecology* 23: 18–24. **[12]**

Davis AR, Cori A, Surget-Groba Y, Sinervo B. 2011. Convergent evolution of kin-based sociality in a lizard. *Proceedings of the Royal Society London B* 278: 1507–1514. **[12]**

Davis JR, DeNardo DF, 2010. Seasonal patterns of body condition, hydration state, and activity of Gila monsters (*Heloderma suspectum*) at a Sonoran Desert site. *Journal of Herpetology* 44: 83–93. **[6]**

Davis LM, Glenn TC, Elsey RM, Dessauer HC, Sawyer RH. 2001. Multiple paternity and mating patterns in the American alligator, *Alligator mississippiensis*. *Molecular Ecology* 10: 1011–1024. **[14]**

Davis W, Weil AT. 1992. The identity of a New World psychoactive toad. *Ancient Mesoamerica* 3: 51–59. **[17]**

Davis WK. 1974. The Mediterranean gecko, *Hemidactylus turcicus* in Texas. *Journal of Herpetology* 8: 77–80. **[5]**

Dawley EM, Bass AH. 1989. Chemical access to the vomeronasal organs of a plethodontid salamander. *Journal of Morphology* 200: 163–174. **[13]**

Dawley EM. 1984. Recognition of individual, sex, and species odours by salamanders of the *Plethodon glutinosus-P. jordani* complex. *Animal Behaviour* 32: 353–361. **[13]**

Dawley EM. 1987. Species discrimination between hybridizing and non-hybridizing terrestrial salamanders. *Copeia* 1987: 924–931. **[13]**

Dawley EM. 1998. Olfaction. *In* Heatwole H, Dawley EM (eds.). *Amphibian Biology, Vol. 3: Sensory Perception*, pp. 711–742. Surrey Beatty and Sons, Chipping Norton, New South Wales, Australia. **[13]**

Dawley RM, Bogart JP (eds.). 1989. *Evolution and Ecology of Unisexual Vertebrates*, Bulletin of the New York State Museum No. 466. New York State Museum, Albany. **[9]**

Daza JD, Diogo R, Johnston P, Abdala V. 2010. Jaw adductor muscles across lepidosaurs: A reappraisal. *Anatomical Record* 294: 1765–1782. **[11]**

de A. Prado CP, Uetanabaro M, Haddad CF. 2002. Description of a new reproductive mode in *Leptodactylus* (Anura, Leptodactylidae), with a review of the reproductive specialization toward terrestriality in the genus. *Copeia* 1128–1133. **[3]**

de Amorim Peixoto M, Mângia S, Rodrigues R, Santana DJ. 2013. Defensive behavior in *Proceratophrys renalis* Miranda-Ribeiro 1920 (Anura: Odontophrynidae). *Herpetology Notes* 6: 479–430 **[3]**

De Groot JH, van Leeuwen JL. 2004. Evidence for an elastic projection mechanism in the chameleon tongue. *Proceedings of the Royal Society London B* 271: 761–770. **[11]**

De Jongh HJ. 1968. Functional morphology of the jaw apparatus of larval and metamorphosing *Rana temporaria* L. *Netherlands Journal of Zoology* 18: 1–103. **[11]**

De la Riva I, García-París M, Parra-Olea G. 2010. Systematics of Bolivian frogs of the genus *Telmatobius* (Anura, Ceratophryidae) based on mtDNA sequences. *Systematics and Biodiversity* 8: 49–61. **[3]**

de Pérez GR, Ruiz PM, Ramirez-Pinilla MP. 1992. Especializaciones del tegumento de incubación de la hembra de *Cryptobatrachus boulengeri* (Amphibia: Anura: Hylidae). *Caldasia* 17: 87–94. **[3]**

de Pérez GR, Ruiz PM. 1996. Histología, histoquímica y estructura fina de la glandula mentoniana de dos especies de *Hyla* (grupo bogotensis) y del antebrazo de *Phrynopus adenobrachius*. *Revista de la Academia Colombiana de Ciencias* 20: 575–584. **[3]**

De Pury S, Böhme W. 2013. A contribution to the understanding of the self-rubbing behaviour in psammophiid snakes (Squamata: Psammophiidae). *Salamandra* 49: 18–30. **[4]**

De Queiroz A, Lawson R, Lemos-Espinal JA. 2002. Phylogenetic relationships of North American garter snakes (Thamnophis) based on four mitochondrial genes: How much DNA sequence is enough? *Molecular Phylogenetics and Evolution* 22: 315–329. **[4]**

de Sá RO, Streicher JW, Sekonyela R, Forlani MC, Loader SP, Greenbaum E, Haddad CF. 2012. Molecular phylogeny of microhylid frogs (Anura: Microhylidae) with emphasis on relationships among New World genera. *BMC Evolutionary Biology* 12: 241. **[3]**

De Vos JM, Joppa LN, Gittleman JL, Stephens PR, Pimm SL. 2015. Estimating the normal background rate of species extinction. *Conservation Biology* 29: 452–462. **[17]**

Deban SM, Dicke U. 1999. Motor control of tongue movement during prey capture in plethodontid salamanders. *Journal of Experimental Biology* 202: 3699–3714. **[11]**

Deban SM, Lappin AK. 2011. Thermal effects on the dynamics and motor control of ballistic prey capture in toads: Maintaining high performance at low temperature. *Journal of Experimental Biology* 214: 1333–1346. **[11]**

Deban SM, O'Reilly JC, Dicke U, van Leeuwen JL. 2007. Extremely high-power tongue projection in plethodontid salamanders. *Journal of Experimental Biology* 210: 655–667. **[11]**

Deban SM, O'Reilly JC, Nishikawa KC. 2001. The evolution of the motor control of feeding in amphibians. *American Zoologist* 41: 1280–1298. **[11]**

Deban SM, Olson WM. 2002. Suction feeding by a tiny predatory tadpole. Nature 420: 41–42. **[3]**

Deban SM, Schilling N. 2009. Activity of trunk muscles during aquatic and terrestrial locomotion in *Ambystoma maculatum*. *Journal of Experimental Biology* 212: 2949–2959. **[10]**

Deban SM, Wake DB, Roth G. 1997. Salamander with a ballistic tongue. *Nature* 389: 27–28. **[11]**

Deban SM, Wake DB. 2000. Aquatic feeding in salamanders. Schwenk K (ed.). *Feeding: Form, Function, and Evolution in Tetrapod Vertebrates*, pp. 65–94. Academic Press, San Diego. **[3]**

deBraga M, Rieppel O. 1997. Reptile phylogeny and the interrelationships of turtles. *Zoological Journal of the Linnean Society* 120: 281–354. **[2]**

Deeming DC. 2004. Post-hatching phenotypic effects of incubation in reptiles. *In* Deeming DC (ed.). *Reptilian Incubation: Environment, Evolution and Behaviour*, pp. 229–252. Nottingham University Press, Nottingham, UK. **[7]**

Deeming DC, Unwin 2004. Reptilian incubation: Evolution and the fossil record. *In* Deeming DC (ed.). *Reptilian Incubation: Environment, Evolution and Behaviour*, pp. 1–14. Nottingham University Press, Nottingham, UK. **[9]**

Deeming DC. 2004. Post-hatching phenotypic effects of incubation on reptiles. *In* Deeming DC (ed.). *Reptilian Incubation: Environment, Evolution and Behaviour*, pp. 229–251. Nottingham University Press, Nottingham, UK. **[9]**

Defense Advanced Research Projects Agency. 2014. DARPA Z-Man program demonstrates human climbing like geckos. http: //www.darpa.mil/NewsEvents/Releases/2014/06/05.aspx **[10]**

Degregorio BA, Manning JV, Bieser N, Kingsbury BA. 2011. The spatial ecology of the eastern massasauga (*Sistrurus c. catenatus*) in northern Michigan. *Herpetologica* 67: 71–79. **[12]**

Dehling JM, Sinsch U. 2013. Diversity of ridged frogs (Anura: Ptychadenidae: Ptychadena spp.) in wetlands of the upper Nile in Rwanda: Morphological, bioacoustic, and molecular evidence. *Zoologischer Anzeiger A Journal of Comparative Zoology* 253: 143–157. **[3]**

Deitloff J, Alcorn MA, Graham SP. 2014. Variation in mating systems of salamanders: Mate guarding or territoriality? *Behavioural Processes* 106: 111–117. **[14]**

Del Pino EM. 1989. Marsupial frogs. *Scientific American* 260 (May): 110–118. **[3]**

Delia JRJ, Ramírez-Bautista A, Summers K. 2013. Parents adjust care in response to weather conditions and egg dehydration in a neotropical glassfrog. *Behavioral Ecology and Sociobiology* 67: 557–569. **[8]**

Delia JRJ, Ramírez-Bautista A, Summers K. 2014. Glassfrog embryos hatch early after parental desertion. *Proceedings of the Royal Society London B* 281: 20133237. **[8]**

Delorme M, Dubois A, Kosuch J, Vences M. 2004. Molecular phylogenetic relationships of *Lankanectes corrugatus* from Sri Lanka: Endemism of South Asian frogs and the concept of monophyly in phylogenetic studies. *Alytes* 22: 53–64. **[3]**

DeNardo DF, Lourdais O, Stahlschmidt ZR. 2012. Are females maternal manipulators, selfish mothers, or both? *Herpetologica* 68: 299–307. **[9]**

DeNardo DF, Zubal TE, Hoffman TCM. 2004. Cloacal evaporative cooling: a previously undescribed means of increasing evaporative water loss at higher temperatures in a desert

ectotherm, the Gila monster *Heloderma suspectum. Journal of Experimental Biology* 207: 945–953. **[6]**

Denoël M, Bichot M, Ficetola GF, Delcourt J, Ylieffe M, Kestemont P, Poncin P. 2010. Cumulative effects of road de-icing salt on amphibian behavior. *Aquatic Toxicology* 99: 275–280. **[1]**

Denoël M, Doellen J. 2010. Displaying in the dark: Light-dependent alternative mating tactics in the Alpine newt. *Behavioral Ecology and Sociobiology* 64: 1171–1177. **[13]**

Denoël M, Joly P, Whiteman HH. 2005. Evolutionary ecology of facultative paedomorphosis in newts and salamanders. *Biological Reviews* 80: 663–671. **[8]**

Denver RJ, Glennemeier KA, Boorse GC. 2002. Endocrinology of complex life cycles: Amphibians. *Hormones, Brain and Behavior* 2: 469–513. **[8]**

Denver RJ, Mirhadi N, Phillips M. 1998. Adaptive plasticity in amphibian metamorphosis: Responses of *Scaphiopus hammondii* tadpoles to habitat desiccation. *Ecology* 79: 1859–1872. **[8]**

Denver RJ. 2013. Neuroendocrinology of amphibian metamorphosis. *In* Shi Y-B. (ed.) *Animal Metamorphosis.* pp. 196–227. Academic Press, Boca Raton, FL. **[8]**

Dethmers KEM, Jensen MP, FitzSimmons NN, Broderick D, Lipus CJ, Moritz C. 2010. Migration of green turtles (*Chelonia mydas*) from Australasian feeding grounds inferred from genetic analysis. *Marine and Freshwater Research* 61: 1376–1387. **[12]**

Deufel A, Cundall D. 2003. Feeding in *Atractaspis* (Serpentes: Atractaspididae): A study in conflicting functional constraints. *Zoology* 106: 43–61. **[11]**

DeVault TL, Krochmal AR. 2002. Scavenging by snakes: An examination of the literature. *Herpetologica* 58: 429–436. **[15]**

Devitt TJ, Baird SJ, Moritz C. 2011. Asymmetric reproductive isolation between terminal forms of the salamander ring species *Ensatina eschscholtzii* revealed by fine-scale genetic analysis of a hybrid zone. *BMC Evolutionary Biology* 11, 245. **[3]**

Dial BE, Grismer LL. 1992. A phylogenetic analysis of physiological-ecological character evolution in the lizard genus *Coleonyx* and its implications for historical biogeographic reconstruction. *Systematic Biology* 41: 178–195. **[6]**

Dial BE. 1987. Energetics and performance during nest emergence and the hatchling frenzy in loggerhead sea turtles (*Caretta caretta*). *Herpetologica* 43: 307–315. **[7]**

Dias PHDS, Amaro RC, de Carvalho AMPT, Rodrigues MT. 2013. Two new species of *Proceratophrys* Miranda-Ribeiro, 1920 (Anura; Odontophrynidae) from the Atlantic forest, with taxonomic remarks on the genus. *Zootaxa* 3682: 277–304. **[3]**

Diego-Rasilla FJ, Luengo RM, Phillips JB. 2008. Use of a magnetic compass for nocturnal homing orientation in the palmate newt, *Lissotriton helveticus*. *Ethology* 114: 808–815. **[12]**

Diller LV. Wallace RL. 2002. Growth, reproduction, and survival in a population of *Crotalus viridis oreganus* in north central Idaho. *Herpetological Monographs* 16: 26–45. **[9]**

Dinets V, Brueggen JC, Brueggen JD. 2013. Crocodilians use tools for hunting. *Ethology Ecology & Evolution*. doi: 1080/03949370.2013.858276. **[11]**

Dinets V. 2011. Effects of aquatic habitat continuity on signal composition in crocodilians. *Animal Behaviour* 82: 191–201. **[13]**

Dinets V. 2013. Long-distance signaling in Crocodylia. *Copeia* 2013: 517–526. **[1]**

Dinets V. 2013. Underwater sound locating capability in the American alligator. *Journal of Herpetology* 47: 521–523. **[15]**

Dinets V. 2013a. Underwater sound locating capability in the American alligator (*Alligator mississippiensis*). *Journal of Herpetology* 47: 521–523. **[13]**

Dinets V. 2013b. Long-distance signalling in Crocodylia. *Copeia* 2013: 517–526. **[13]**

Dinets V. 2014. Apparent coordination and collaboration in cooperatively hunting crocodilians. *Ethology Ecology & Evolution*. doi: 10.1080/03949370.2014.915432. **[11]**

Ding G-H, Yang J, Wang J, Ji X. 2012. Offspring sex in a TSD gecko correlates with an interaction between incubation temperature and yolk steroid hormones. *Naturwissenschaften* 99: 999–1006. **[9]**

Dingle H. 1996. *Migration: The Biology of Life on the Move*. Oxford University Press, New York. **[12]**

Diochot S, Baron A, Salinas M, Douguet D, Scarzello S, Dabert-Gay A-S, Debayle D, Friend V, Alloui A, Lazdunski M, Lingueglia E. 2012. Black mamba venom peptides target acid-sensing ion channels to abolish pain. *Nature* 490: 552–557. **[1]**

Dixo M, Metzger JP. 2009. Are corridors, fragment size and forest structure important for the conservation of leaf-litter lizards in a fragmented landscape? *Oryx* 43: 435–442. **[12]**

Dixon JR, Kofron CP. 1983. Central and South American anomalepid snakes of the genus *Liotyphlops*. *Amphibia-Reptilia* 4: 241–264. **[4]**

Doak D, Kareiva P, Klepetka B. 1994. Modeling population viability for the desert tortoise in the western Mohave Desert. *Ecological Applications* 4: 446–460. **[16]**

Doan TM, Castoe TA. 2005. Phylogenetic taxonomy of the Cercosaurini (Squamata: Gymnophthalmidae), with new genera for species of *Neusticurus* and *Proctoporus*. *Zoological Journal of the Linnean Society* 143: 405–416. **[4]**

Dobson AP, Hudson PJ. 1986. Parasites, disease and the structure of ecological communities. *Trends in Ecology and Evolution* 1: 11–15. **[16]**

Dodd CK Jr, Brodie ED Jr. 1975. Notes on the defensive behavior of the snapping turtle, *Chelydra serpentina*. *Herpetologica* 31: 286–288. **[4]**

Dodd CK Jr. 2001. *North American Box Turtles, a Natural History*. University of Oklahoma Press, Norman. **[4, 17]**

Dodd CK Jr., Seigel RA. 1991. Relocation, repatriation, and translocation of amphibians and reptiles: Are they conservation strategies that work? *Herpetologica* 47: 336–350. **[17]**

Dodge KL, Galuardi B, Miller TJ, Lutcavage ME. 2014. Leatherback turtle movements, dive behavior, and habitat characteristics in ecoregions of the Northwest Atlantic Ocean. *PLoS One* 9 (3): e91726.doi: 10.1371/journal.pone.0091726. **[12]**

Donnelly MA, Crump ML. 1998. Potential effects of climate change on two neotropical amphibian assemblages. *Climate Change* 39: 541–561. **[16]**

Donohoe PH, Boutilier RG. 1998. The protective effects of metabolic rate depression in hypoxic cold submerged frogs. *Respiration Physiology* 111: 325–33 **[7]**

Doody JS, Burghardt GM, Dinets V. 2013. Breaking the social—non-social dichotomy: A role for reptiles in vertebrate social behavior research? *Ethology* 119: 1–9. **[12]**

Doody JS, Georges A, Young JE. 2003. Twice every second year: Reproduction in the pig- nosed turtle, *Carettochelys insculpta*, in the wet–dry tropics of Australia. *Journal of Zoology* 259: 179–188. **[4]**

Doody SJ, Guarnino E, Georges A, Corey B, Murray G, Ewert M. 2006. Nest site choice compensates for climatic effects on sex ratios in a lizard with environmental sex determination. *Evolutionary Ecology* 20: 307–330. **[9]**

Doody SJ, Paull P. 2013. Hitting the ground running: Environmentally cued hatching in a lizard. *Copeia* 2013: 160–165. **[9]**

Dopazo H, Boto L, Alberch A. 1998. Mitochondrial DNA variability in the viviparous and ovoviviparous populations of the urodele *Salamandra salamandra*. *Journal of Evolutionary Biology* 11: 365–378. **[3]**

Dorcas M, Willson JD. 2011. *Invasive Pythons in the United States: Ecology of an Introduced Predator*. University of Georgia Press, Athens. **[16]**

Dornburg A, Beaulieu JM, Oliver JC, Near TJ. 2011. Integrating fossil preservation biases in the selection of calibrations for molecular divergence time estimation. *Systematic Biology* 60: 519–527. **[5]**

Dos Santos-Costa MC, Hofstadler-Deiques C. 2002. The ethmoidal region and cranial adaptations of the Neotropical aquatic snake *Helicops infrataeniatus* Jan, 1865 (Serpentes, Colubridae). *Amphibia Reptilia* 23: 83–92. **[4]**

Doucet SM, Mennill DJ. 2009. Dynamic sexual dichromatism in an explosively breeding Neotropical toad. *Biology Letters* 6: 63–66. **[13]**

Douglas ME, Douglas MR, Schuett GW, Beck DD, Sullivan BK. 2010. Conservation phylogenetics of helodermatid lizards using multiple molecular markers and a supertree approach. *Molecular Phylogenetics and Evolution* 55: 153–167. **[4]**

Dowling HG, Savage JM. 1960. A guide to the snake hemipenis: A survey of basic structure and systematic characteristics. *Zoologica* 45: 17–31. **[4, 9]**

Drewes RC, Altig R. 1996. Anuran egg predation and heterocannibalism in a breeding community of East African frogs. *Tropical Zoology* 9: 333–347. **[3]**

Drewes RC. 1984. A phylogenetic analysis of the Hyperoliidae (Anura): Treefrogs of Africa, Madagascar, and the Seychelles Islands. *Occasional Papers of the California Academy of Sciences* 139: 1–70. **[3]**

Driscoll DA. 2004. Extinction and outbreaks accompany fragmentation of a reptile community. *Ecological Applications* 14: 220–240. **[12]**

Drost CA, Fellers GM. 1996. Collapse of a regional frog fauna in the Yosemite area of the California Sierra Nevada, USA. *Conservation Biology* 10: 414–425. **[17]**

Drotlef DM, Appel E, Peisker H, Dening K, del Campo A, Gorb SN, Barnes WJP. 2014 Morphological studies of the toe pads of the rock frog, *Staurois parvus* (family Ranidae) and their relevance to the development of new biomimetically inspired reversible adhesives. *Interface Focus* 5: 20140036. http://dx.doi.org/10.1098/rsfs.2014.0036 **[10]**

Du W-G, Tu M-C, Radder RS, Shine R. 2013. Can reptile embryos influence their own rates of heating and cooling? *PLoS One* 8(6): e67095. doi: 10.1371/journal.pone.0067095 **[6]**

Du W-G, Zhao B, Chen Y, Shine R. 2011. Behavioral thermoregulation by turtle embryos. *Proceedings of the National Academy of Sciences USA* 108: 9513–9515. **[6]**

Du WG, Ji X, Shine R. 2005. Does body-volume constrain reproductive output in lizards? *Biology Letters* 2005 1. doi: 10.1098/rsbl.2004.0268. **[9]**

Du WG, Tu MC, Rader RS, Shine R. 2013. Can reptile embryos influence their own rates of heating and cooling? *PLoS One* 8(6): e67095, doi: 10.1371/journal.pone.0067095. **[9]**

Du WG, Zhao B, Chen Y, Shine R. 2011. Behavioral thermoregulation by turtle embryos. *Proceedings of the National Academy of Sciences USA* 108: 9513–9515. **[9]**

Dubach J, Sajewicz A, Pawley R. 1997. Parthenogenesis in the Arafuran filesnake (*Achrochordus arafurae*). *Herpetological Natural History* 5: 11–18. **[4]**

Dubey B, Meganathan PR, Vidal N, Haque I. 2012. Molecular evidence for the nonmonophyly of the Asian natricid genus *Xenochrophis* (Serpentes, Colubroidea) as inferred from mitochondrial and nuclear genes. *Journal of Herpetology* 46: 263–268. **[4]**

Dubey S, Brown GP, Madsen T, Shine R. 2008. Male-biased dispersal in a tropical Australian snake (*Steogonatus cucullatus*, Colubridae). *Molecular Ecology* 17: 3506–3514. **[12]**

Dubey S, Shine R. 2010. Restricted dispersal and genetic diversity in populations of an endangered montane lizard (*Eulamprus leuraensis*, Scincidae). *Molecular Ecology* 19: 886–897. **[12]**

Dubois A, Bour R. 2010. The nomenclatural status of the nomina of amphibians and reptiles created by Garsault (1764), with a parsimonious solution to an old nomenclatural problem regarding the genus *Bufo* (Amphibia, Anura), comments on the taxonomy of this genus, and comments on some nomina created by Laurenti (1768). *Zootaxa* 2447: 52. **[3]**

Duchene S, Frey A, Alfaro-Núñez A, Dutton PH, Gilbert MTP, Morin PA. 2012. Marine turtle mitogenome phylogenetics and evolution. *Molecular Phylogenetics and Evolution* 65: 241–250. **[4]**

Duckett PE, Morgan MH, Stow AJ. 2012. Tree-dwelling populations of the skink *Egernia striolata* aggregate in groups of close kin. *Copeia* 2012: 130–134. **[12]**

Duellman WE. 2001. *The Hylid Frogs of Middle America* (2 volumes). Society for the Study of Amphibians and Reptiles, Ithaca, NY. **[3, 5]**

Duellman, WE. 2007. Amphibian life histories: Their utilization in phylogeny and classification. *In* Heatwole H, Sullivan BK (eds.). *Amphibian Biology, Vol. 7*, pp. 2843–2892. Surrey Beatty & Sons, Chipping Norton, New South Wales, Australia. **[8]**

Duellman WE, Chavéz G. 2010. Reproduction in the marsupial frog *Gastrotheca testudinea* (Anura: Hemiphractidae). *Herpetology Notes* 3: 87–90. **[3]**

Duellman WE, Fritts TH. 1972. *A taxonomic review of the southern Andean marsupial frogs. (Hylidae: Gastrotheca)*. Museum of Natural History, University of Kansas, Lawrence. **[3]**

Duellman WE, Hoogmoed MS. 1984. The taxonomy and phylogenetic relationships of the hylid frog genus *Stefania*. *University of Kansas Museum of Natural History Miscellaneous Publications* 75: 1–39. **[8]**

Duellman WE, Lizana M. 1994. Biology of a sit-and-wait predator, the leptodactylid frog *Ceratophrys cornuta*. *Herpetologica* 50: 51–64. **[3]**

Duellman WE, Trueb L. 1986. *Biology of Amphibians*. McGraw-Hill, New York. **[3, 7, 8, 11]**

Duellman WE, Trueb L. 1994. *Biology of Amphibians*. Johns Hopkins University Press, Baltimore. **[2, 3, 15]**

Duellman, WE, Maxson LR, Jesiolowski, CA. 1988. Evolution of marsupial frogs (Hylidae: Hemiphractinae): Immunological evidence. *Copeia* 1988: 527–543. **[8]**

Duffield GA, Bull CM. 2002. Stable social aggregations in an Australian lizard, *Egernia stokesii*. *Naturwissenschaften* 89: 424–427. **[12]**

Dugan B. 1982. The mating behavior of the green iguana, *Iguana iguana*. *In* Burghardt GM, Rand AS (eds.). *Iguanas of the World*, pp. 320–341. Noyes Publications, Park Ridge, NJ. **[12]**

Dunham AE, Gibbons JW. 1990. Growth of the slider turtle. *In* Gibbons JW (ed.). *Life History and Ecology of the Slider Turtle*, pp. 135–145. Smithsonian Institution Press, Washington DC. **[14]**

Dunham AE, Miles DB, Reznick DN. 1988. Life history patterns in squamate reptiles. *In* Gans C, Huey RB (eds.). *Biology of the Reptilia, Vol. 16: Ecology B, Defense and Life History*, pp. 442–511. Alan R. Liss, New York. **[9]**

Dunham AE. 1980. An experimental study of interspecific competition between the iguanid lizards *Sceloporus merriami* and *Urosaurus ornatus*. *Ecological Monographs* 50: 309–330. **[16]**

Dunn ER. 1917. The salamanders of the genera *Desmognathus* and *Leurognathus*. *Proceedings of the U.S. National Museum* 53: 393–433. **[3]**

Dunn ER. 1923. The salamanders of the family Hynobiidae. *Proceedings of the American Academy of Arts and Sciences* 58: 445–523. **[3]**

Dunn ER. 1926. *The Salamanders of the Family Plethodontidae*. Smith College, Northampton, MA. **[3]**

Dunning JB Jr. 2008. *CRC Handbook of Avian Body Masses*, 2nd ed. CRC Press, Boca Raton, FL. **[1]**

Dunson WA, Dunson MK, Keith AD. 1978. The nasal gland of the Monpellier snake *Malpolon monspessulanus*: Fine structure, secretion composition, and a possible role in reduction of dermal water loss. *Journal of Experimental Zoology* 203: 461–474. **[6]**

Dunson WA, Dunson MK. 1973. Convergent evolution of sublingual salt glands in the marine file snake and the true sea snakes. *Journal of Comparative Physiology* 86: 193–208. **[4]**

Dunson WA. 1960. Aquatic respiration in *Trionyx spinifer asper*. *Herpetologica* 16: 277–283. **[4]**

Dunson WA. 1976. Salt glands in reptiles. *In* Gans C, Dawson WR (eds.). *Biology of the Reptilia*, vol 5, pp. 413–446. Academic Press, London. **[6]**

Dunson, WA. 1960. Aquatic respiration in *Trionyx spinifer asper*. *Herpetologica* 16: 277–283. **[7]**

Durso AM, Mullin SJ. 2013. Intrinsic and extrinsic factors influence expression of defensive behavior in plains hog-nosed snakes (*Heterodon nasicus*). *Ethology* 119: 1–9. **[15]**

Durtsche, R. D. 1995. Foraging ecology of the fringe-toed lizard, *Uma inornata*, during periods of high and low food abundance. *Copeia* 1995: 915–926. **[15]**

Dutton PH, Bowen BW, Owens DW, Barragan A, Davis SK. 1999. Global phylogeography of the leatherback turtle (*Dermochelys coriacea*). *Journal of Zoology* 248: 397–409. **[4]**

Duvall D, Arnold SJ, Schuett GW. 1992. Pitviper mating systems: Ecological potential, sexual selection, and microevolution. *In* Campbell JA, Brodie ED Jr. (eds.). *Biology of Pitvipers*, pp. 321–336. Selva Natural History Book Publishers, Tyler TX. **[14]**

Duvall D, Goode MJ, Hayes WK, Leonhardt JK, Brown DG. 1990. Prairie rattlesnake vernal migration: Field experimental analysis and survival value. *National Geographic Research* 6: 457–469. **[12]**

Duvall D, Schuett GW, Arnold SJ. 1993. Ecology and evolution of snake mating systems. *In* Seigel RA, Collins JT (eds.). *Snakes: Ecology and Behavior*, pp. 165–200. McGraw Hill, New York. **[14]**

Ebenman B. 1992. Evolution in organisms that change their niches during the life cycle. *American Naturalist* 139: 990–1021. **[8]**

Echelle AA, Hackler JC, Lack JB, Ballard SR, Roman J, Fox SF, Van Den Bussche RA. 2010. Conservation genetics of the alligator snapping turtle: Cytonuclear evidence of range-wide bottleneck effects and unusually pronounced geographic structure. *Conservation Genetics* 11: 1375–1387. **[4]**

Eckrich CE, Owens DW. 1995. Solitary versus arribada nesting in the olive Ridley sea turtles (*Lepidochelys olivacea*): A test of the predator-satiation hypothesis. *Herpetologica* 51: 349–354. **[15]**

Edmund AG. 1969. Dentition. *In* Gans C, Parsons TS, Bellairs A d'A (eds.). *Biology of the Reptilia, Vol. 1*, pp. 117–200. Academic Press, London. **[4]**

Edwards DL, Garrick RC, Tapia W. 2014. Cryptic structure and niche divergence within threatened Galápagos giant tortoises from southern Isabela Island. *Conservation Genetics* 15: 1357–1369. **[17]**

Edwards JL. 1985. Terrestrial locomotion without appendages. *In* Hildebrand M, Bramble DM, Liem KF, Wake DB (eds.). *Functional Vertebrate Morphology*, pp. 159–172. Belknap Press, Cambridge, MA. **[10]**

Edwards S, Branch WR, Vanhooydonck B, Herrel A, Measey GJ, Tolley KA. 2013. Taxonomic adjustments in the systematics of the southern African lacertid lizards (Sauria: Lacertidae). *Zootaxa* 3669: 101–114. **[4]**

Ehlers J, Gibbard PL. 2007. The extent and chronology of Cenozoic global glaciation. *Quaternary International* 164: 6–20. **[5]**

Eifler DA, Eifler MA. 1998. Foraging behavior and spacing patterns of the lizard *Cnemidophorus uniparens*. *Journal of Herpetology* 32: 24–33. **[12]**

Eisenberg JF. 1981. *The Mammalian Radiations: An Analysis of Trends in Evolution, Adaptation, and Behavior*. University of Chicago Press, Chicago. **[1]**

El Mouden E, Bons J, Pieau C, Renous S, Znari M, Boumezzough A. 2000. Table de développment embryonnaire d'un lézard agamidé, *Agama impalearis* Boettger, 1874. *Annales des Sciences Naturelles* 21: 93–115. **[9]**

Elepfandt A. 1996. Underwater acoustics and hearing in the clawed frog *Xenopus*. *In* R. C. Tinsley and H. R. Kobel (eds.). *The Biology of Xenopus*, pp. 177–193. Clarendon Press, Oxford. **[3]**

Ellis-Quinn BA, Simon CA. 1989. Homing behavior of the lizard *Sceloporus jarrovi*. *Journal of Herpetology* 3: 146–152. **[12]**

Elmer KR, Bonett RM, Wake DB, Lougheed SC. 2013. Early Miocene origin and cryptic diversification of South American salamanders. *BMC Evolutionary Biology* 13, 59. **[3, 5]**

Emerson SB. 1976. Burrowing in frogs. *Journal of Morphology* 149: 437–458. **[10]**

Emerson SB. 1982. Frog postcranial morphology: Identification of a functional complex. *Copeia* 1982: 603–613. **[10]**

Emerson SB. 1983. Functional analysis of frog pectoral girdles. The epicoracoid cartilages. *Journal of Zoology* 201: 293–308. **[3, 10]**

Emerson SB. 1985. Jumping and leaping. *In* Hildebrand M, Bramble DM, Liem KF, Wake DB (eds.). *Functional Vertebrate Morphology*, pp. 58–72. Belknap Press, Cambridge, MA. **[10]**

Emerson SB. 1985. Skull shape in frogs-correlations with diet. *Herpetologica* 41: 177–188. **[15]**

Emerson SB. 1988. Convergence and morphological constraint in frogs: Variation in postcranial morphology. *Fieldiana* 43: 1–19. **[1]**

Emerson SB. 1988. The giant tadpole of *Pseudis paradoxa. Biological Journal of the Linnean Society* 34: 93–104. **[3]**

Emerson SB, Boyd SK. 1999. Mating vocalizations of female frogs: Control and evolutionary mechanisms. *Brain, Behavior and Evolution* 53: 187–197. **[13]**

Emerson SB, Greig A, Carroll L, Prins GS. 1999. Androgen receptors in two androgen-mediated, sexually dimorphic characters of frogs. *General and Comparative Endocrinology* 114: 173–180. **[3]**

Emerson SB, Koehl MAR. 1990. The interaction of behavioral and morphological change in the evolution of a novel locomotor type: "Flying" frogs. *Evolution* 44: 1931–1946. **[10]**

Emmons LH. 1989. Jaguar predation on chelonians. *Journal of Herpetology* 23: 311–314. **[4]**

Engstrom TN, Shaffer HB, McCord WP. 2004. Multiple data sets, high homoplasy, and the phylogeny of softshell turtles (Testudines: Trionychidae). *Systematic Biology* 53: 693–710. **[4]**

Erickson GM, Brochu Ca. 1999. How the 'terror crocodile' grew so big. *Nature* 388: 205–206. **[1]**

Ernst CH, Barbour RW. 1989. *Turtles of the World*. Smothsonian Institute Press, Wasington, DC. **[4]**

Ernst, CH, Laemmerzahl AF. 2002. Geographic variation in the Asian big-headed turtle, *Platysternon megacephalum* (Reptilia: Testudines: Platysternidae). *Proceeding of the Biological Society of Washington* 115(1): 18–24. **[4]**

Espinoza RE, Quinteros S. 2008, A hot knot of toads: Aggregation provides thermal benefits to metamorphic Andean toads. *Journal of Thermal Biology* 33: 67–75. **[6]**

Espinoza RE, Wiens JJ, Tracy CR. 2004. Recurrent evolution of herbivory in small, cold-climate lizards: Breaking the ecophysiological rules of reptilian herbivory. *Proceedings of the National Academy of Sciences USA* 101: 16819–16824. **[4]**

Espinoza RE, Wiens JJ, Tracy CR. 2004. Recurrent evolution of herbivory in small cold-climate lizards: Breaking the ecophysical rules of reptilian herbivory. *Proceedings of the National Academy of Sciences USA* 101: 16819–16824. **[15]**

Esselstyn JA, Oliveros CH, Moyle RG, Peterson AT, McGuire JA, Brown RM. 2010. Integrating phylogenetic and taxonomic evidence illuminates complex biogeographic patterns along Huxley's modification of Wallace's Line. *Journal of Biogeography* 37: 2054–66. **[5]**

Estes R, de Queiroz K, Gauthier JA. 1988. Phylogenetic relationships within Squamata. *In* Estes R, Pregill G (eds.). *Phylogenetic Relationships of the Lizard Families, Essays Commemorating Charles L. Camp*, pp. 119–281. Stanford University Press, Stanford, CA. **[4]**

Estes R. 1983. The fossil record and early distribution of lizards. *In* Rhodin A, Miyata K (eds.). *Advances in Herpetology and Evolutionary Biology*, pp. 365–398. Museum of Comparative Zoology, Cambridge, MA. **[4]**

Estes, R, Spinar ZV, Nevo E. 1978. Early Cretaceous pipid tadpoles from Israel (Amphibia: Anura). *Herpetologica* 34: 374–393. **[3]**

Etheridge R. 1959. The relationships of the *Anoles* (Reptilia: Sauria: Iguanidae): An interpretation based on skeletal morphology. Ph.D. Dissertation, University of Michigan, Ann Arbor, MI. **[4]**

Etheridge R. 1966. The systematic relationships of West Indian and South American lizards referred to the iguanid genus *Leiocephalus*. *Copeia* 1966: 79–91. **[4]**

Etheridge R. 1995. Redescription of *Ctenoblepharys adspersa* Tschu-di, 1845, and the taxonomy of Liolaeminae (Reptilia: Squamata: Tropiduridae). *American Museum Novitates* 3142: 1–34. **[4]**

Etheridge K. 1990. The energetics of estivating sirenid salamanders (*Siren lacertina* and *Pseudobranchus striatus*). *Herpetologica* 46: 407–414. **[3]**

Etheridge R, Espinoza RE. 2000. Taxonomy of the Liolaeminae (Squamata: Iguania: Tropiduridae) and a semi-annotated bibliography. *Smithsonian Herpetological Information Service* 126: 1–64. **[4]**

Etheridge R, Williams EE. 1985. Notes on *Pristidactylus* (Squamata: Iguanidae). *Breviora* 483: 1–18. **[4]**

Etheridge R, Williams EE. 1991. A review of the South American lizard genera *Urostrophus* and *Anisolepis* (Squamata: Iguania: Polychridae). *Bulletin of the Museum of Comparative Zoology* 152: 317–361. **[4]**

Evans BJ, Brown RM, McGuire JA, Supriatna J, Andayani N, Diesmos AC, Iskandar D, Melnick DJ, Cannatella DC. 2003. Phylogenetics of fanged frogs: Testing biogeographical hypotheses at the interface of the Asian and Australian faunal zones. *Systematic Biology* 52: 794–819. **[3]**

Evans BJ, Brown RM, McGuire JA, Supriatna J, Andayani N, Diesmos AC, Iskandar D, Melnick DJ et al. 2003. Phylogenetics of fanged frogs: Testing biogeographical hypotheses at the interface of the Asian and Australian faunal zones. *Systematic Biology* 52: 794–819. **[5]**

Evans BJ, Kelley DB, Tinsley RC, Melnick DJ, Cannatella DC. 2004. A mitochondrial DNA phylogeny of African clawed frogs: phylogeography and implications for polyploid evolution. *Molecular Phylogenetics and Evolution* 33: 197–213. **[3]**

Evans BJ, McGuire JA, Brown RM, Andayani N, Supriatna J. 2008. A coalescent framework for comparing alternative models of population structure with genetic data: evolution of Celebes toads. *Biology Letters* 4: 430–433. **[3, 5]**

Evans BJ, Supriatna J, Andayani N, Setiadi MI, Cannatella DC, Melnick DJ. 2003. Monkeys and toads define areas of endemism on Sulawesi. *Evolution* 57: 1436–1443. **[4]**

Evans CM, Brodie ED Jr. 1994. Adhesive strength of amphibian skin secretions. *Journal of Herpetology* 28: 499–502. **[15]**

Evans SE. 1993. Jurassic lizard assemblages. *Revue de Paléobiologie* 7: 55–65. **[4]**

Evans SE. 2003. At the feet of the dinosaurs: The early history and radiation of lizards. *Biological Reviews* 78: 513–551. **[2]**

Evans SE. 2008. The skull of lizards and tuatara. *In* Gans C, Gaunt A (eds.). *Biology of the Reptilia. Vol. 20: Morphology H,* pp.1–347. Society for the Study of Amphibians and Reptiles, Ithaca, NY. **[11]**

Evans SE, Jones ME. 2010. The origin, early history and diversification of lepidosauromorph reptiles. *In* Bandyopadhyay S (ed.). *New Aspects of Mesozoic Biodiversity*, pp. 27–44. Springer, Berlin Heidelberg. **[2, 4]**

Evans SE, Prasad GVR, Manhas BK. 2001. Rhynchocephalians (Diapsida: Lepidosauria) from the Jurassic kota formation of India. *Zoological Journal of the Linnean Society* 133: 309–334. **[4]**

Ewert MA. 1991. Cold torpor, diapause, delayed hatching and aestivation in reptiles and birds. *In* Deeming DC, Ferguson MWJ (eds.). *Egg Incubation: Its Effects on Embryonic Development in Birds and Reptiles*, pp. 173–191. Cambridge University Press, Cambridge. **[9]**

Ewert MA.1985. Embryology of turtles. *In* Gans C, Billett F, Maderson PFA (eds.). *Biology of the Reptilia, Vol. 14: Development A*, pp. 75–267. John Wiley & Sons, New York. **[9]**

Ewert MA, Etchberger CR, Nelson CE. 2004. Turtle sex determining modes and TSD patterns, and some TSD pattern correlates. *In* Valenzuela N, Lance BA (eds.). *Temperature-Dependent Sex Determination in Vertebrates*, pp. 21–32. Smithsonian Institution Press, Washington, DC. **[9]**

Ewert MA, Wilson DS. 1996. Seasonal variation in embryonic diapause in the striped mud turtle (*Kinosternon baurii*) and general considerations for conservation planning. *Chelonian Conservation and Biology* 2: 43–54. **[4]**

Exbrayat J-M (ed.). 2006. *Reproductive Biology and Phylogeny of Gymnophiona (Caecilians)*. Science Publishers, Enfield, NH. **[1]**

Exbrayat J-M. 2006. Modes of parity and oviposition. *In* Exbrayat J-M (ed.). *Reproductive Biology and Phylogeny of Gymnophiona (Caecilians)*, pp. 303–323. Science Publishers, Enfield, New Hampshire. **[8]**

Exbrayat JM, Hraoui-Bloquet S. 1992. La nutrition embryonnaire et les relations foeto-maternelles chez *Typhlonectes compressicaudus* amphibien gymnophione vivipare. *Bulletin de la Société herpétologique de France* 61: 53–61. **[3]**

Exbrayat, JM (ed.). 2006. *Reproductive Biology and Phylogeny of Gymnophiona (Caecilians)*. CRC Press/Taylor Francis, London. **[3]**

Fabrezi M. 2006. Morphological evolution of Ceratophryinae (Anura, Neobatrachia). *Journal of Zoological Systematics and Evolutionary Research* 44: 153–166. **[3]**

Fabrezi M, Quinzio, S. I. 2008. Morphological evolution in Ceratophryinae frogs (Anura, Neobatrachia): The effects of heterochronic changes during larval development and metamorphosis. *Zoological Journal of the Linnean Society 1*54: 752–780. **[3]**

Fahrig L, Pedlar JH, Pope SE, Taylor PD, Wegner JF. 1995. The effect of road traffic on amphibian density. *Biological Conservation* 73: 177–182. **[17]**

Faivovich J and 10 others. 2010. The phylogenetic relationships of the charismatic poster frogs, Phyllomedusinae (Anura, Hylidae). *Cladistics* 26: 227–261. **[3]**

Faivovich J, Ferraro DP, Basso NG, Haddad CF, Rodrigues MT, Wheeler WC, Lavilla EO. 2012. A phylogenetic analysis of *Pleurodema* (Anura: Leptodactylidae: Leiuperinae) based on mitochondrial and nuclear gene sequences, with comments on the evolution of anuran foam nests. *Cladistics* 28: 460–482. **[3]**

Faivovich J, Haddad CF, Garcia PC, Frost DR, Campbell JA, Wheeler WC. 2005. Systematic review of the frog family Hylidae, with special reference to Hylinae: Phylogenetic analysis and taxonomic revision. *Bulletin of the American Museum of Natural History*. 294: 1–240. **[3]**

Faivovich J, Nicoli L, Blotto BL, Pereyra MO, Baldo D, Barrionuevo JS, Fabrezi M, Wild ER, Haddad CF. 2014. Big, bad, and beautiful: Phylogenetic relationships of the horned frogs (Anura: Ceratophryidae). *South American Journal of Herpetology* 9: 207–227. **[3]**

Farmer CG, Hicks JW. 2002. The intracardiac shunt as a source of myocardial oxygen in a turtle, *Trachemys scripta*. *Integrative and Comparative Biology* 42: 208–215. **[7]**

Farmer CG, Sanders K. 2010. Unidirectional airflow in the lungs of alligators. *Science* 327: 338–340. **[7]**

Farrer RA and 14 others. 2011. Multiple emergences of genetically diverse amphibian-infecting chytrids include a globalized hypervirulent recombinant lineage. *Proceedings of the National Academy of Sciences* 108: 18732–18736. **[1]**

Feder ME, Arnold SJ. 1982. Anaerobic metabolism and behavior during predatory encounters between snakes (*Thamnophis elegans*) and salamanders (*Plethodon jordani*). *Oecologia* 53: 93–97. **[7]**

Feder ME, Burggren WW. 1985. Cutaneous gas exchange in vertebrates: Designs, patterns, control and implications. *Biological Reviews* 60: 1–45. **[7]**

Fei T, Skidmore AK, Venus V, Wang T, Schlerf M, Toxopeus B, van Overjijk S, Bian M, Liu Y. 2012. A body temperature model for lizards as estimated from the thermal environment. *Journal of Thermal Biology* 37: 56–64. **[6]**

Feldman CR, Brodie ED Jr, Brodie ED III, Pfender ME. 2012. Constraint shapes convergence in tetrodotoxin-resistant sodium channels of snakes. *Proceedings of the National Academy of Sciences USA* 109: 4556–4561. **[15]**

Feldman CR, Parham JF. 2002. Molecular phylogenetics of emydine turtles: Taxonomic revision and the evolution of shell kinesis. *Molecular Phylogenetics and Evolution* 22: 388–398. **[4]**

Fellers GM, Yuezhao W, Shaoyin L. 2003. Status of amphibians at the Zoige Wetlands, Sichuan Province, China. *Froglog* (58): 1. **[17]**

Felsenstein, J. 2003. *Inferring Phylogenies.* Sinauer Associates, Sunderland, MA. **[2]**

Feng AS, Narins PM, Xu C-H, Lin W-Y, Yu Z-L, Qiu Q, Xu Z-M, Shen Y-X. 2006. Ultrasonic communication in frogs. *Nature* 440: 333–336. **[13]**

Feng AS, Narins PM, Xu C-H. 2002. Vocal acrobatics in a Chinese frog, *Amolops tormotus*. *Naturwissenschaften* 89: 352–356. **[13]**

Feng AS, Narins PM. 2008. Ultrasonic communication in concave-eared torrent frogs (*Amolops tormotus*). *Journal of Comparative Physiology A* 194: 159–167. **[13]**

Feng AS, Reide T, Arch VS, Yu Z, Xu Z-M, Yu X-J, Shen J-X. 2009. Diversity of the vocal signals of concave-eared torrent frogs (*Odorrana tormota*): Evidence for individual signatures. *Ethology* 115: 1015–1028. **[13]**

Feng J, Han D, Bauer AM, Zhou K. 2007. Interrelationships among gekkonid geckos inferred from mitochondrial and nuclear gene sequences. *Zoological Science* 24: 656–665. **[4]**

Fenner AL, Bull CM. 2011. Central-place territorial defense in a burrow-dwelling skink: Aggressive responses to conspecific models in pygmy bluetongue lizards. *Journal of Zoology* 283: 45–51. **[12]**

Fenwick AM, Evans JA, Parkinson CL. 2009. Morphological and molecular evidence for phylogeny and classification of South American pitvipers, genera *Bothrops*, *Bothriopsis*, and *Bothrocophias* (Serpentes: Viperidae). *Zoological Journal of the Linnean Society* 156: 617–640. **[4]**

Ferguson GW, Fox SF. 1984. Annual variation of survival advantage of large juvenile side-blotched lizards, *Uta stansburiana*: Its causes and evolutionary significance. *Evolution* 38: 342–349. **[9]**

Ferguson MWJ. 1985. Reproductive biology and embryology of the crocodilians. *In* Gans C, Billett F, Maderson PFA (eds.). *Biology of the Reptilia, Vol. 14: Development A*, pp. 329–491. John Wiley and Sons, New York. **[9]**

Ferigolo J. 1999. South American first record of a sphenodontian (Lepidosauria, Rhynchocephalia) from Late Triassic–Early Jurassic of Rio Grande do Sul State, Brazil. *In* Leanza HA (ed.). *International Symposium on Mesozoic Terrestrial Ecosystem, Vol. 7*, pp. 24–25. **[4]**

Ferrara CR, Mortimer JA, Vogt RC. 2014a. First evidence that hatchlings of *Chelonia mydas* emit sound. *Copeia* 2014: 245–247. **[13]**

Ferrara CR, Vogt RC, Sousa-Lima RS, Tardido BMR, Bernardes VCD. 2014b. Sound communication and social behavior in an Amazonian river turtle (*Podocnemis expansa*). *Herpetologica* 70: 149–156. **[13]**

Ferrara CR, Vogt RC, Sousa-Lima RS. 2013. Turtle vocalizations as the first evidence of posthatching parental care in chelonians. *Journal of Comparative Psychology* 127: 24–32. **[9]**

Ferrara CR, Vogt RC, Sousa-Lima RS. 2013. Turtle vocalizations as the first evidence of posthatching parental care in chelonians. *Journal of Comparative Psychology* 127: 24–32. **[13]**

Fialho RF, Duarte Rocha CF, Vrcibradic D. 2000. Feeding ecology of *Tropidurus torquatus*: Ontogenetic shift in plant consumption and seasonal trends in diet. *Journal of Herpetology* 34: 325–330. **[15]**

Field DJ, Gauthier JA, King BL, Pisani D, Lyson TR, Peterson KJ. 2014. Toward consilience in reptile phylogeny: miRNAs support an archosaur, not lepidosaur, affinity for turtles. *Evolution and Development* 16(4): 189–196. **[2]**

Field R and 11 others. 2009. Spatial species-richness gradients across scales: A meta-analysis. *Journal of Biogeography* 36: 132–147. **[16]**

Fielder DP. 2012. Seasonal and diel dive performance and behavioral ecology of the bimodally respiring freshwater turtle *Myuchelys bellii* of eastern Australia. *Journal of Comparative Physiology A* 198: 129–143. **[7]**

Filoramo NI, Schwenk K. 2009. The mechanism of chemical delivery to the vomeronasal organs in squamate reptiles: A comparative morphological approach. *Journal of Experimental Zoology A: Ecological Genetics and Physiology* 311A: 20–34. **[13]**

Finkbeiner EM, Wallace BP, Moore JE, Lewison RL, Crowder LB. 2011. Cumulative estimates of sea turtle bycatch and mortality in USA fisheries between 1990 and 2007. *Biological Conservation* 144: 2719–2727. **[17]**

Finkler MS. 1999. Influence of water availability during incubation on hatchling size, body composition, desiccation tolerance, and terrestrial locomotor performance in the snapping turtle *Chelydra serpentina*. *Physiological and Biochemical Zoology* 72: 714–722. **[7]**

Fischer JH, Freake MJ, Borland SC, Phillips JB. 2001. Evidence for the use of magnetic map information by an amphibian. *Animal Behaviour* 62: 1–10. **[12]**

Fischer MS, Krause C, Lilje KE. 2010. Evolution of chameleon locomotion, or how to become arboreal as a reptile. *Zoology* 113: 67–74. **[10]**

Fish FE, Bostic SA, Nicsstro SJ, Beneski JT. 2007. Death roll of the alligator: Mechanics of twist feeding in water. *Journal of Experimental Biology* 210: 2811–2818. **[11]**

Fisher MC, Henk DA, Briggs CJ, Brownstein JS, Madoff LC, McCraw SL, Gurr SJ. 2012. Emerging fungal threats to animal, plant, and ecosystem health. *Nature* 484: 186–196. **[1]**

Fisher RA. 1930. *The Genetical Theory of Natural Selection*. Oxford University Press, Oxford. **[9]**

Fisher RN, Shaffer HB. 1996. The decline of amphibians in California's Great Central Valley. *Conservation Biology* 10: 1387–1397. **[17]**

Fisher-Reid MC, Wiens JJ. 2011. What are the consequences of combining nuclear and mitochondrial data for phylogenetic analysis? Lessons from *Plethodon* salamanders and 13 other vertebrate clades. *BMC Evolutionary Biology* 11: 300. **[3]**

Fitch HS, Henderson RW, Hillis DM. 1982. Exploitation of iguanas in Central America. *In* Burghardt GM, Rand AS (eds.). *Iguanas of the World*, pp. 397–417. Noyes Publications, Park Ridge, NJ. **[17]**

Fitzgerald M, Shine R, Lemckert F. 2002. Spatial ecology of arboreal snakes (*Hoplocephalus stephensii*, Elapidae) in an eastern Australian forest. *Austral Ecology* 27: 537–545. **[12]**

Fjeldså J, Bowie RC. 2008. New perspectives on the origin and diversification of Africa's forest avifauna. *African Journal of Ecology* 46: 235–247. **[5]**

Flather CH, Hayward GD, Beissinger SR, Stephens PA. 2011. Minimum viable population: Is there a 'magic number' for conservation practitioners? *Trends in Ecology and Evolution* 26(6): 307–316. **[17]**

Fleischman LJ. 1992. The influence of the sensory system and the environment on motion patterns in the visual displays of anoline lizards and other vertebrates. *American Naturalist* 139: S36-S61. **[13]**

Fleischman LJ. 2000. Signal function, signal efficiency and the evolution of anoline lizard dewlap color. *In* Espmark Y, Amundsen T, Resenqvist G (eds.). *Animal Signals: Signalling and Signal Design in Animal Communication*, pp. 209–236. Tapir Academic Press, Trondheim, Norway. **[13]**

Flynn JJ, Parrish JM, Simpson W, Razafimanantsoa L, Riatompohavana R, Totovolahy A. 1997. New Triassic and Jurassic vertebrates from Madagascar. *Journal of Vertebrate Paleontology* 17: 46A. **[4]**

Font E, Barbosa D, Sampedro C, Carazo P. 2012. Social behavior, chemical communication, and adult neurogenesis: Studies of scent mark function in *Podarcis* wall lizards. *General and Comparative Endocrinology* 177: 9–17. **[13]**

Font E, Pérez i de Lanuza G, Sampedro C. 2009. Ultraviolet reflectance and cryptic sexual dichromatism in the ocellated lizard, *Lacerta (Timon) lepida* (Squamata: Lacertidae). *Biological Journal of the Linnean Society* 97: 766–780. **[13]**

Fontanella FM, Olave, M, Avila LJ, Morando M. 2012. Molecular dating and diversification of the South American lizard genus *Liolaemus* (subgenus *Eulaemus*) based on nuclear and mitochondrial DNA sequences. *Zoological Journal of the Linnean Society* 164: 825–835. **[4]**

Fontenot BE, Makowsky R, Chippindale PT. 2011. Nuclear-mitochondrial discordance and gene flow in a recent radiation of toads. *Molecular Phylogenetics and Evolution* 59: 66–80. **[3]**

Fontenot Jr CL. 1999. Reproductive biology of the aquatic salamander *Amphiuma tridactylum* in Louisiana. *Journal of Herpetology* 33: 100–105. **[3]**

Ford LS, Cannatella DC. 1993. The major clades of frogs. *Herpetological Monographs* 7: 94–117. **[3]**

Ford NB, Burghardt GM. 1993. Perceptual mechanisms and the behavioral ecology of snakes. *In* Seigel RA, Collins JT (eds.). *Snakes: Ecology and Behavior*, pp. 117–164. McGraw Hill, New York. **[12]**

Fordham D, Georges A, Corey B. 2006. Compensation for inundation-induced embryonic diapause in a freshwater turtle: Achieving predictability in the face of environmental stochasticity. *Functional Ecology* 20: 670–677. **[9]**

Forester DC. 1979. The adaptiveness of parental care in *Desmognathus ochrophaeus* (Urodela: Plethodontidae). *Copeia* 1979: 332–341. **[8]**

Forester DC. 1984. Brooding behavior by the mountain dusky salamander: Can the female's presence reduce clutch desiccation? *Herpetologica* 40: 105–109. **[8]**

Formanowicz DR, Brodie ED Jr, Wise SC. 1989. Foraging behavior of matamata turtles: The effects of prey density and the presence of a conspecific. *Herpetologica* 45: 61–67. **[4]**

Formas JR. 1972. A second species of Chilean frog genus *Telmatobufo* (Anura, Leptodactylidae). *Journal of Herpetology* 6: 1–3. **[3]**

Formas JR. 1976. Descriptions of *Batrachyla* (Amphibia, Anura, Leptodactylidae) tadpoles. *Journal of Herpetology* 10: 221–225. **[8]**

Formas JR. 2013. External morphology, chondrocranium, hyobranchial skeleton, and external and internal oral features of *Rhinoderma rufum* (Anura, Rhinodermatidae). *Zootaxa* 3641: 395–400. **[3]**

Formas JR, Núñez JJ, Brieva LM. 2001. Osteología, taxonomía y relaciones filogeneticas de las ranas del género *Telmatobufo* (Leptodactylidae). *Revista Chileña de Historia Natural* 74: 365–387. **[3]**

Formas JR, Vera MA. 1980. Reproductive patterns of *Eupsophus roseus* and *E. vittatus*. *Journal of Herpetology* 14: 11–14. **[8]**

Forsman A. 1997. Growth and survival of *Vipera berus* in a variable environment. *In* Thorpe RS, Wüster W, Malhotra A (eds.). *Venomous Snakes: Ecology, Evolution and Snakebite*, pp. 143–154. Clarendon Press, Oxford. **[4]**

Fossette S, Gleiss AC, Casey JP, Lewis AR, Hays GC. 2011. Does prey size matter? Novel observations of feeding in the leatherback turtle (*Dermochelys coriacea*) allow a test of predator-prey size relationships. *Biology Letters* 8: 351–354. **[12]**

Fouquet A, Blotto BL, Maronna MM, Verdade VK, Junca FA, de Sá RO, Rodrigues MT. 2013. Unexpected phylogenetic positions of the genera *Rupirana* and *Crossodactylodes* reveal insights into the biogeography and reproductive evolution of leptodactylid frogs. *Molecular Phylogenetics and Evolution* 67: 445–457. **[3]**

Fouquet A, Green DM, Waldman B, Bowsher JH, McBride KP, Gemmell NJ. 2010. Phylogeography of *Leiopelma hochstetteri* reveals strong genetic structure and suggests new conservation priorities. *Conservation Genetics* 11: 907–919. **[3]**

Fouquet A, Ledoux JB, Dubut V, Noonan BP, Scotti I. 2012. The interplay of dispersal limitation, rivers, and historical events shapes the genetic structure of an Amazonian frog. *Biological Journal of the Linnean Society* 106: 356–373. **[12]**

Fouquet A, Loebmann D, Castroviejo-Fisher S, Padial JM, Orrico VG, Lyra ML, Rodrigues MT. 2012. From Amazonia to the Atlantic forest: Molecular phylogeny of Phyzelaphryninae

frogs reveals unexpected diversity and a striking biogeographic pattern emphasizing conservation challenges. *Molecular Phylogenetics and Evolution* 65: 547–561. **[3]**

Fouquet A, Noonan BP, Rodrigues MT, Pech N, Gilles A, Gemmell NJ. 2012. Multiple quaternary refugia in the Eastern Guiana Shield revealed by comparative phylogeography of 12 frog species. *Systematic Biology 6*1, 461–489. **[3]**

Fouquette MJ. 1969. Rhinophrynidae, *Rhinophrynus dorsalis. Catalogue of American Amphibians and Reptiles* 78: 1–2. **[3]**

Foureaux G, Egami MI, Jared C, Antoniazzi MM, Guitierre RC, Smith RL. 2010. Rudimentary eyes of squamate fossorial reptiles (Amphisbaenia and Serpentes). *The Anatomical Record* 293: 351–357. **[4]**

Francis CD, Barber JR. 2013. A framework for understanding noise impacts on wildlife: An urgent conservation priority. *Frontiers in Ecology and the Environment* 11: 305–313. **[17]**

Frankham R. 2010. Challenges and opportunities of genetic approaches to biological conservation. *Biological Conservation* 143: 1919–1927. **[17]**

Franz-Odendaal TA, Vickaryous MK. 2006. Skeletal elements in the vertebrate eye and adnexa: Morphological and developmental perspectives. *Developmental Dynamics* 235: 1244–1255. **[4]**

Franzen M, Jones J, Raselimanana AP, Nagy ZT, D'Cruze N, Glaw F, Vences M. 2009. A new black-bellied snake (Pseudoxyrhophiinae: Liophidium) from western Madagascar, with notes on the genus *Pararhadinaea*. *Amphibia-Reptilia* 30: 173–183. **[4]**

Frazer NB. 1992. Sea turtle conservation and halfway technology. *Conservation Biology* 6: 179–184. **[17]**

Freake MJ. 1998. Variation in homeward orientation performance in the sleepy lizard (*Tiliqua rugosa*): Effects of sex and reproductive period. *Behavioral Ecology and Sociobiology* 43: 339–344. **[12]**

Freeland WJ, Martin KC. 1985. The rate of range expansion by *Bufo marinus* in northern Australia 1980–1984. *Australian Wildlife Research* 12: 555–559. **[12]**

Freilich X, Tollis M, Boissinot S. 2014. Hiding in the highlands: Evolution of a frog species complex of the genus *Ptychadena* in the Ethiopian highlands. *Molecular Phylogenetics and Evolution* 71 157–169. **[3]**

Friedl TWP. 2006. Individual male calling pattern and male mating success in the European treefrog (*Hyla arborea*): Is there evidence for directional or stabilizing selection on male calling behaviour? *Ethology* 112: 116–126. **[14]**

Friesen CR, Kerns AR, Mason RT. 2014. Factors influencing paternity in multiply mated female red-sided garter snakes and the persistent use of sperm stored over winter. *Behavioral Ecology and Sociobiology* 68: 1419–1430. **[14]**

Friesen CR, Shine R, Krohmer RW, Mason RT. 2013. Not just a chastity belt: The functional significance of mating plugs in garter snakes, revisited. *Biological Journal of the Linnean Society* 109: 893–907. **[13]**

Fritts TH, Rodda GH. 1998. The role of introduced species in the degradation of island ecosystems: A case history of Guam. *Annual Review of Ecology and Systematics* 29: 113–140. **[17]**

Fritz U, Barata M, Busack SD, Fritzsch G, Castilho R. 2006. Impact of mountain chains, sea straits and peripheral populations on genetic and taxonomic structure of a freshwater

turtle, *Mauremys leprosa* (Reptilia, Testudines, Geoemydidae). *Zoologica Scripta* 35: 97–108. **[5]**

Fritz U, Branch WR, Hofmeyr MD, Maran J, Prokop H, Schleicher A, Hundsdörfer AK. 2011. Molecular phylogeny of African hinged and helmeted terrapins (Testudines: Pelomedusidae: *Pelusios* and *Pelomedusa*). *Zoologica Scripta* 40: 115–125. **[4]**

Fritzsch B, Pan N, Jahan I, Duncan JS, Kopecky BJ, Elliott KL, Yang T. 2013. Evolution and development of the tetrapod auditory system: An organ of Corti-centric perspective. *Evolution and Development* 15: 63–79. **[2, 3]**

Fritzsch B, Wake MH. 1986. The distribution of ampullary organs in Gymnophiona. *Journal of Herpetology* 20: 90–93. **[15]**

Frost D, Janies D, Mouton P le FN, Titus T. 2001. A molecular perspective on the phylogeny of the girdled lizards (Cordylidae, Squamata). *American Museum Novitates* 3310: 1–10. **[4]**

Frost DR, 2014. *Amphibian Species of the World: An Online Reference*. Version 6.0 Electronic Database accessible at http: //research.amnh.org/herpetology/amphibia/index.html. American Museum of Natural History, New York. **[3]**

Frost DR, Etheridge R. 1989. A phylogenetic analysis and taxonomy of Iguanian lizards (Reptilia: Squamata). *Miscellaneous Publications of the Museum of Natural History University of Kansas* 81: 1–65. **[4]**

Frost DR, Grant T, Faivovich J, Bain RH, Haas A, Haddad CF, Wheeler WC. 2006. The amphibian tree of life. *Bulletin of the American Museum of Natural History*. 297 1–291. **[3]**

Fry BG and 13 others. 2006. Early evolution of the venom system in lizards and snakes. *Nature* 439: 584–588. **[4, 11]**

Fry BG and 27 others. 2009. A central role for venom in predation by *Varanus komodoensis* (Komodo dragon) and the extinct giant *Varanus (Megalania) priscus*. *Proceedings of the National Academy of Sciences USA* 106: 8969–8974. **[11]**

Fry BG, Casewell NR, Wüster W, Vidal N, Young B, Jackson TN. 2012. The structural and functional diversification of the Toxicofera reptile venom system. *Toxicon* 60: 434–448. **[4, 11]**

Fry BG, Undheim EAB, Ali SA, Jackson TNW, Debono J, Scheib H, Ruder T, et al. 2013. Squeezers and leaf-cutters: Differential diversification and degeneration of the venom system in toxicoferan reptiles. *Molecular Cellular Proteomics* 12: 1881–1899. **[4]**

Fry BG, Vidal N, Van der Weerd L, Kochva E, Renjifo C. 2009. Evolution and diversification of the Toxicofera reptile venom system. *Journal of Proteomics* 72: 127–136. **[4]**

Fu J, Weadick CJ, Bi K. 2007. A phylogeny of the high-elevation Tibetan megophryid frogs and evidence for the multiple origins of reversed sexual size dimorphism. *Journal of Zoology* 273: 315–325. **[3]**

Fu J, Zeng X. 2008. How many species are in the genus *Batrachuperus*? A phylogeographical analysis of the stream salamanders (family Hynobiidae) from southwestern China. *Molecular Ecology* 17: 1469–1488. **[3]**

Fujita MK, Engstrom TN, Starkey DE, Shaffer HB. 2004. Turtle phylogeny: Insights from a novel nuclear intron. *Molecular Phylogenetics and Evolution* 31: 1031–1040. **[4]**

Fujita MK, Leaché AD, Burbrink FT, McGuire JA, Moritz C. 2012. Coalescent-based species delimitation in an integrative taxonomy. *Trends in Ecology and Evolution*, 27(9), 480–488. **[2]**

Fujita MK, McGuire JA, Donnellan SC, Moritz C. 2010. Diversification and persistence at the arid-monsoonal interface: Australia-wide biogeography of the Bynoe's gecko (*Heteronotia binoei*; Gekkonidae). *Evolution* 64: 2293–2314. **[4, 5]**

Fuller SJ, Bull CM, Murray K, Spencer RJ. 2005. Clustering of related individuals in a population of the Australian lizard, *Egernia frerei*. *Molecular Ecology* 14: 12–7–1213. **[12]**

Funk WC, Donnelly MA, Lips KR. 2005. Alternative views of amphibian toe-clipping. *Nature* 433: 193. **[12]**

Funk WC, Fletcher-Lazo G, Nogales-Sornosa F Almeida-Reinoso D. 2004. First description of a clutch and nest site for the genus *Caecilia* (Gymnophiona: Caeciliidae). *Herpetological Review* 35: 128–130. **[3]**

Furman BL. 2012. The development of Byetta® (exenatide) from the venom of the Gila monster as an anti-diabetic agent. *Toxicon* 59: 464–471. **[1]**

Gabirot M, Picerno P, Valencia J, López P, Martín J. 2012. Species recognition by chemical cues in Neotropical snakes. *Copeia* 2012: 472–477. **[13]**

Gaborieau O, Measey GJ. 2004. Termitivore or detritivore? A quantitative investigation into the diet of the East African caecilian *Boulengerula taitanus* (Amphibia: Gymnophiona: Caeciliidae). *Animal Biology* 54: 45–56. **[3]**

Gaffney ES. 1975. A phylogeny and classification of the higher categories of turtles. *Bulletin of the American Museum of Natural History* 155: 387–436. **[4, 11]**

Gaffney ES. 1977. The side-necked turtle family Chelidae: A theory of relationships using shared derived characters. *American Museum Novitates* 2620: 1–28. **[4]**

Gaffney ES. 1979. Comparative cranial morphology of recent and fossil turtles. *Bulletin of the American Museum of Natural History* 164: 1–376. **[4]**

Gaffney ES. 1990. The comparative osteology of the Triassic turtle Proganochelys. *Bulletin of the American Museum of Natural History* 194: 1–263. **[4]**

Gaffney ES, Hutchinson JH, Jenkins FA, Meeker LJ. 1987. Modern turtle origins: The oldest-known cryptodire. *Science* 237: 289–291. **[4]**

Gaffney ES, Meylan PA, Wood RC, Simons E, De Almeida Campos D. 2011. Evolution of the side-necked turtles: The family Podocnemididae. *Bulletin of the American Museum of Natural History* 350: 1–237. **[4]**

Gaffney ES, Meylan PA. 1988. A phylogeny of turtles. *In* Benton MJ (ed.). *The Phylogeny and Classification of the Tetrapods, Vol. 1: Amphibians, Reptiles, Birds*, pp. 157–219. Clarendon Press, Oxford. **[4, 11]**

Gaffney ES, Meylan PA, Wyss AR. 1991. A computer assisted analysis of the relationships of the higher categories of turtles. *Cladistics* 7: 313–335. **[4]**

Gaffney ES, Tong H, Meylan PA. 2006. Evolution of the side-necked turtles: The families Bothremydidae, Euraxemydidae, and Araripemydidae. *Bulletin of the American Museum of Natural History* 300: 1–698. **[4]**

Galán P. 2000. Females that imitate males: Dorsal coloration varies with reproductive state in female *Podarcis bocagei* (Lacertidae). *Copeia* 2000: 819–825. **[13]**

Galeotti P, Sacchi R, Fasola M, Ballasina D. 2005. Do mounting vocalisations in tortoises have a communication function? A comparative analysis. *Herpetological Journal* 15: 61–71. **[13]**

Galeotti P, Sacchi R, Rosa DP, Fasola M. 2004. Female preference for fast-rate, high-pitched calls in Hermann's tortoises *Testudo hermanni*. *Behavioral Ecology* 16: 301–308. **[13]**

Galeotti P, Sacchi R, Rosa DP, Fasola M. 2007. Olfactory discrimination of species, sex, and sexual maturity by the Hermann's tortoise *Testudo hermanni*. *Copeia* 2007: 980–985. **[13]**

Gall BG, Stokes AN, French SS, Schlepphorst, Brodie ED III, Brodie ED Jr. 2011. Tetrodotoxin levels in larval and metamorphosed newts (*Taricha granulosa*) and palatability to predatory dragonflies. *Toxicon* 57: 978–983. **[15]**

Gallardo JM. 1961. On the species of Pseudidae (Amphibia, Anura). *Bulletin of the Museum of Comparative Zoology* 125: 109–134. **[3]**

Gamble T, Bauer AM, Colli GR, Greenbaum E, Jackman TR, Vitt LJ, Simons AM. 2011. Coming to America: Multiple origins of New World geckos. *Journal of Evolutionary Biology* 24: 231–244. **[4]**

Gamble T, Bauer AM, Colli GR, Greenbaum E, Jackman TR, Vitt LJ, Simons, A. M. 2011. Coming to America: multiple origins of New World geckos. *Journal of Evolutionary Biology* 24: 231–244. **[5]**

Gamble T, Bauer AM, Greenbaum E, Jackman TR. 2008a. Out of the blue: A novel trans-Atlantic clade of geckos (Gekkota, Squamata). *Zoologica Scripta* 37: 355–366. **[4]**

Gamble T, Bauer AM, Greenbaum E, Jackman TR. 2008b. Evidence for Gondwanan vicariance in an ancient clade of gecko lizards. *Journal of Biogeography* 35: 88–104. **[4]**

Gamble T, Greenbaum E, Jackman TR, Russell AP, Bauer AM. 2012. Repeated origin and loss of adhesive toepads in geckos. *PLoS One* 7(6): e39429. **[4]**

Gamble T. 2010. A review of sex determining mechanisms in geckos (Gekkota: Squamata). *Sexual Development* 4: 88–103. **[4]**

Gamble T. 2010. A review of sex determining mechanisms in geckos (Gekkota: Squamata). *Sexual Development* 4: 88–103. **[9]**

Gamradt SC, Kats LB, Anzalone CR. 1997. Aggression by non-native crayfish deters breeding in California newts. *Conservation Biology* 11: 793–796. **[17]**

Gamradt SC, Kats LB. 1996. Effect of introduced crayfish and mosquitofish on California newts. *Conservation Biology* 10: 1155–1162. **[17]**

Gans C, Dessauer HC, Baic D. 1978. Axial differences in the musculature of uropeltid snakes: The freight-train approach to burrowing. *Science* 199: 189–192. **[10]**

Gans C, Gorniak GC. 1982. Functional morphology of lingual protrusion in marine toads (*Bufo marinus*). *American Journal of Anatomy* 163: 195–222. **[11]**

Gans C. 1961. The feeding mechanism of snakes and its possible evolution. *American Zoologist* 1: 217–227. **[11]**

Gans C. 1974. *Biomechanics: An Approach to Vertebrate Biology*. The University of Michigan Press, Ann Arbor, MI. **[10, 11]**

Gans C. 1978. The characteristics and affinities of the Amphisbaenia. *Transactions of the Zoological Society of London* 34: 347–416. **[4]**

Gans C. 1978b. Reptilian venoms: Some evolutionary considerations. *In* Gans C, Gans KA (eds.). *Biology of the Reptilia*, *Vol. 8*: *Physiology B*, pp. 1–42. Academic Press, New York. **[11]**

Gans C. 1987. Studies on amphisbaenians (Reptilia). 7. The small round-headed species (*Cynisca*) from western Africa. *American Museum Novitates* 2896: 1–84. **[4]**

Gans C. 2005. Checklist and bibliography of the Amphisbaenia of the world. *Bulletin of The American Museum of Natural History* 289: 130 pp. **[1]**

Gao KQ, Hou L. 1996. Systematics and taxonomic diversity of squamates from the Upper Cretaceous Djadochta Formation, Bayan Mandahu, Gobi Desert, People's Republic of China. *Canadian Journal of Earth Sciences* 33: 578–598. **[4]**

Gao KQ, Nessov LA. 1998. Early Cretaceous squamates from the Kyzylkum Desert, Uzbekistan. *Neue Jarbuch Geologiches Paläontologische Abhandlungen* 207: 289–309. **[3, 4]**

Gao KQ, Shubin NH. 2001. Late Jurassic salamanders from northern China. *Nature* 410: 574–577. **[3]**

Gao KQ, Shubin NH. 2003. Earliest known crown-group salamanders. *Nature* 422: 424–428. **[3]**

Garber SD, Burger J. 1995. A 20-year study documenting the relationship between turtle decline and human recreation. *Ecological Applications* 5: 1151–1162. **[17]**

García-París M, Buchholz DR, Parra-Olea G. 2003. Phylogenetic relationships of Pelobatoidea re-examined using mtDNA. *Molecular Phylogenetics and Evolution* 28: 12–23. **[3]**

García-París M, Good DA, Parra-Olea G, Wake DB. 2000. Biodiversity of Costa Rican salamanders: implications of high levels of genetic differentiation and phylogeographic structure for species formation. *Proceedings of the National Academy of Sciences USA* 97: 1640–1647. **[5]**

Garda AA, Cannatella DC. 2007. Phylogeny and biogeography of paradoxical frogs (Anura, Hylidae, Pseudae) inferred from 12S and 16S mitochondrial DNA. *Molecular Phylogenetics and Evolution* 44: 104–114. **[3]**

Gardner JD. 2003. Revision of Habrosaurus Gilmore (Caudata, Sirenidae) and relationships among sirenid salamanders. *Palaeontology* 46: 1089–1122. **[3]**

Gardner MG, Bull CM, Cooper JB. 2002. High levels of genetic monogamy in the group-living Australian lizard *Egernia stokesii*. *Molecular Ecology* 11: 1787–1794. **[14]**

Gardner, MG, Bull CM, Fenner A, Murray K, Donnellan SC. 2007. Consistent social structure within aggregations of the Australian lizard, *Egernia stokesii* across seven disconnected rocky outcrops. *Journal of Ethology* 25: 263–270. **[12]**

Gardner TA, Ribeiro-Júnior MA, Barlow J, Ávila-Pires TCS, Hoogmoed MS, Peres CA. 2007. The value of primary, secondary, and plantation forests for a neotropical herpetofauna. *Conservation Biology* 21: 775–787. **[16]**

Garrick LD, Lang JW. 1977. Social signals and behaviors of adult alligators and crocodiles. *American Zoologist* 17: 225–239. **[13]**

Gartlan JS, Struhsaker TT. 1971. Notes on the habits of the Calabar ground python (*Calabaria reinhardtii* Schlegel) in Cameroon, West Africa. *British Journal of Herpetology* 4: 201–202. **[4]**

Gasc J-P. 1981. Axial musculature. *In* Gans C, Parsons TS (eds.). *Biology of the Reptilia, Vol. 11: Morphology F*, pp. 355–435. Academic Press, New York. **[10]**

Gaspar P, Benson SR, Dutton PH, Reveillere A, Jacob G, Meetoo C, Dehecq A, Fossette S. 2012. Oceanic dispersal of juvenile leatherback turtles: Going beyond passive drift modeling. *Marine Ecology Progress Series* 457: 265–284. **[12]**

Gatesy J, Amato G. 2008. The rapid accumulation of consistent molecular support for intergeneric crocodylian relationships. *Molecular Phylogenetics and Evolution* 48: 1232–1237. **[4]**

Gatten RE Jr., Miller K, Full RJ. 1992. Energetics at rest and during locomotion. *In* Feder ME, Burggren WW (eds.). *Environmental Physiology of the Amphibians*, pp. 314–377. University of Chicago Press, Chicago. **[7]**

Gauthier JA, Kearney M, Maisano JA, Rieppel O, Behlke AD. 2012. Assembling the squamate tree of life: Perspectives from the phenotype and the fossil record. *Bulletin of the Peabody Museum of Natural History* 53: 3–308. **[4]**

Gauthier JA, Kluge AG, Rowe T. 1988. Amniote phylogeny and the importance of fossils. *Cladistics* 4: 105–209. **[2, 4]**

Gauthier JA, Padian K. 1985. Phylogenetic, functional, and aerodynamic analyses of the origin of birds and their flight. *In* Hecht MK, Ostrom JH, Viohl G, Wellnhofer P (eds.). *The Beginnings of Birds*, pp. 185–197. Freunde des Jura-Museum, Eichstätt, Germany. **[2]**

Gaymer R. 1971. New method of locomotion in limbless terrestrial vertebrates. *Nature* 234: 150–151. **[10]**

Gehlbach FR, Baldridge RS. 1987. Live blind snakes (*Leptotyphlops dulcis*) in eastern screech owl (*Otus asio*) nests: A novel commensalism. *Oecologia* 71: 560–563. **[4]**

Gehlbach FR, Gordon R, Jordan JB. 1973. Aestivation of the salamander *Siren intermedia*. *American Midland Naturalist* 89: 455–463. **[3]**

Gehring PS, Köhler J, Strauß A, Randrianiaina RD, Glos J, Glaw F, Vences M. 2011. The kingdom of the frogs: Anuran radiations in Madagascar. *In* Zachos FE, Habel JC (eds.). *Biodiversity Hotspots*, pp. 235–254. Springer, Berlin. **[5]**

Georges A, Birrell J, Saint KM, McCord W, Donnellan SC. 1998. A phylogeny for side-necked turtles (Chelonia: Pleurodira) based on mitochondrial and nuclear gene sequence variation. *Biological Journal of the Linnean Society* 67: 213–246. **[4]**

Georges A, Doody S, Beggs K, Young J. 2004. Thermal models of TSD under laboratory and field conditions. *In* N Valenzuela, BA Lance (eds.). *Temperature-Dependent Sex Determination in Vertebrates*, pp. 79–89. Smithsonian Institution Press, Washington, DC. **[9]**

Georges A, Kennett R. 1989. Dry-season distribution and ecology of *Carettochelys insculpta* (Chelonia: Carettochelydidae) in Kakadu National Park, northern Australia. *Australian Wildlife Research* 16: 323–335. **[4]**

Gerhardt HC. 1978. Temperature coupling in the vocal communication system of the gray treefrog *Hyla versicolor*. *Science* 199: 992–994. **[13]**

Gerhardt HC, Huber F. 2002. *Acoustic Communication in Insects and Frogs: Common Problems and Diverse Solutions*. University of Chicago Press, Chicago. **[13, 14]**

Gerlach J, Muir C, Richmond MD. 2006. The first substantiated case of trans-oceanic tortoise dispersal. *Journal of Natural History* 40: 2403–2408. **[5]**

Germano JM, Bishop PJ. 2009. Suitability of amphibians and reptiles for translocation. *Conservation Biology* 23: 7–15. **[12, 17]**

Gerow K, Kline NC. Swann DE, Pokorny M. 2010. Estimating annual vertebrate mortality on roads at Saguaro National Park, Arizona. *Human-Wildlife Interactions* 4: 283–292. **[17]**

Gheerbrant E. 1990. On the early biogeographical history of the African placentals. *Historical Biology* 4: 107–116. **[5]**

Gibbons JRH, Watkins IF. 1982. Behavior, ecology, and conservation of South Pacific banded iguanas, *Brachylophus*, including a newly discovered species. *In* Burghardt GM, Rand AS (eds.). *Iguanas of the World*, pp. 418–441. Noyes Publications, Park Ridge, NJ. **[17]**

Gibbons JW. 2013. A long-term perspective on delayed emergence (aka overwintering) in hatchling turtles: Some they do and some they don't, and some you just can't tell. *Journal of Herpetology* 47: 203–214. **[9]**

Gibbons JW (ed.). 1990. *Life History and Ecology of the Slider Turtle*. Smithsonian Institution Press, Washington, DC. **[9]**

Gibbons JW, Dorcas ME. 2004. *North American Watersnakes*: *A Natural History*. University of Oklahoma Press. Norman, OK. **[4]**

Gibbons JW, Greene JL, Congdon JD. 1990. Temporal and spatial movement patterns of sliders and other turtles. *In* Gibbons JW (ed.). *Life History and Ecology of the Slider Turtle*, pp. 201–215. Smithsonian Institution Press, Washington, DC. **[12]**

Gibbons JW, Lovich JE. 1990. Sexual dimorphism in turtles with emphasis on the slider turtle (*Trachemys scripta*). *Herpetological Monographs* 4: 1–29. **[14]**

Gibbons JW, Scott DE, Ryan TJ, Buhlmann K, Tuberville TD, Metts BS, Greene JL, Mills T, Leiden Y, Poppy S, Winne CT. 2000. The global decline of reptiles, déjà vu amphibians. *BioScience* 50: 653–666. **[1, 17]**

Gibbs JP, Breisch AR. 2001. Climate warming and calling phenology of frogs near Ithaca, New York, 1900–1999. *Conservation Biology* 15: 1175–1178. **[17]**

Gibson RC, Buley KR. 2004. Maternal care and obligatory oophagy in *Leptodactylus fallax*: A new reproductive mode in frogs. *Copeia* 2004: 128–135. **[3, 8]**

Gilbert SF, Epel D. 2009. *Ecological Developmental Biology: Integrating Epigenetics, Medicine, and Evolution.* Sinauer Associates, Sunderland, MA. **[9]**

Giles JC, Davis JA, McCauley RD, Kuchling G. 2009. Voice of the turtle: The underwater acoustic repertoire of the long-necked freshwater turtle, *Chelodina oblonga*. *Journal of the Acoustical Society of America* 126: 434–443. **[13]**

Gill DE. 1978. The metapopulation ecology of the red-spotted newt, *Notophthalmus viridescens* (Rafinesque). *Ecological Monographs* 48: 145–166. **[3]**

Gillingham JC. 1987. Social behavior. *In* Seigel RA, Collins JT, Novak SS (eds.). *Snakes: Ecology and Evolutionary Biology*, pp. 184–209. Macmillan, New York. **[13]**

Gillis G, Ekstrom L, Azizi E. 2014. Biomechanics and control of toad landing. *Integrative and Comparative Biology* 54: 1136–1147. **[10]**

Gingras B, Boeckle M, Herbst CT, Fitch WT. 2012. Call acoustics reflect body size across four clades of anurans. *Journal of Zoology* 289: 143–150. **[13]**

Gist DH, Bagwill A, Lance V, Sever DM, Elsey RM. 2008. Sperm storage in the oviduct of the American alligator. *Journal of Experimental Zoology* 309A: 581–587. **[9]**

Gitschlag GR. 1996. Migration and diving behavior of Kemp's ridley sea turtles along the U.S. southeastern Atlantic coast. *Journal of Experimental Marine Biology and Ecology* 205: 115–135. **[12]**

Giugliano LG, Collevatti RG, Colli GR. 2007. Molecular dating and phylogenetic relationships among Teiidae (Squamata) inferred by molecular and morphological data. *Molecular Phylogenetics and Evolution* 45: 168–179. **[4]**

Giugliano LG, de Campos Nogueira C, Valdujo PH, Collevatti RG, Colli GR. 2013. Cryptic diversity in South American Teiinae (Squamata, Teiidae) lizards. *Zoologica Scripta* 42: 473–487. **[4]**

Given MF. 1993. Male response to female vocalizations in the carpenter frog, *Rana virgatipes*. *Animal Behaviour* 46: 1139–1149. **[13]**

Glasheen JW, McMahon TA. 1996. A hydrodynamic model of locomotion in the basilisk lizard. *Nature* 380: 340–342. **[10]**

Glaudas X, Rodríguez-Robles JA. 2011. Vagabond males and sedentary females: Spatial ecology and mating system of the speckled rattlesnake (*Crotalus mitchellii*). *Biological Journal of the Linnean Society* 103: 681–695. **[12]**

Glaudas X. 2009. Rain-harvesting by the southwestern speckled rattlesnake (*Crotalus mitchellii pyrrhus*). *The Southwestern Naturalist* 54: 518–521. **[6]**

Glaw F, Hoegg S, Vences M. 2006. Discovery of a new basal relict lineage of Madagascan frogs and its implications for mantellid evolution. *Zootaxa* 1334, 27–43. **[3]**

Glaw F, Köhler J, Townsend TM, Vences M. 2012. Rivaling the world's smallest reptiles: Discovery of miniaturized and microendemic new species of leaf chameleons (*Brookesia*) from northern Madagascar. *PLoS One* 7(2): e31314. **[4]**

Glaw F, Nagy ZT, Köhler J, Franzen M, Vences M. 2009. Phylogenetic relationships of a new species of pseudoxyrhophiine snake (Reptilia: Lamprophiidae: *Thamnosophis*) suggest a biogeographical link between western and northern Madagascar. *Organisms Diversity Evolution* 9: 13–22. **[4]**

Glaw F, Nagy ZT, Vences M. 2007. Phylogenetic relationships and classification of the Malagasy pseudoxyrhophiine snake genera *Geodipsas* and *Compsophis* based on morphological and molecular data. *Zootaxa* 1517: 53–62. **[4]**

Glaw F, Vences M. 2006. Phylogeny and genus-level classification of mantellid frogs (Amphibia, Anura). *Organisms Diversity Evolution*, 6: 236–253. **[3]**

Gleeson TT. 1996. Post-exercise lactate metabolism: A comparative review of sites, pathways, and regulation. *Annual Review of Physiology* 58: 565–581. **[7]**

Gleeson TT, Dalessio PM. 1990. Lactate: A substrate for reptilian muscle gluconeogenesis following exhaustive exercise. *Journal of Comparative Physiology* B 169: 331–338. **[7]**

Glodek GS, Voris HK. 1982. Marine snake diets: Prey composition, diversity and overlap. *Copeia* 1982: 661–666. **[15]**

Godefroit P, Sinitsa SM, Dhouailly D, Bolotsky YL, Sizov AV, McNamara ME, Spagna P. 2014. A Jurassic ornithischian dinosaur from Siberia with both feathers and scales. *Science* 345: 451–455. **[2]**

Godfrey SS, Bradley JK, Sih A, Bull CM. 2012. Lovers and fighters in sleepy lizard land: Where do aggressive males fit in a social network? *Animal Behaviour* 83: 209–215. **[14]**

Godley BJ, Blumenthal JM, Broderick AC, Coyne MS, Godfrey MH, Hawkes LA, Witt MJ. 2008. Satellite tracking of sea turtles: Where have we been and where do we go next? *Endangered Species Research* 4: 3–22. **[12]**

Godley BJ, Richardson S, Broderick AC, Coyne MS, Glen F, Hays GC. 2002. Long-term satellite telemetry of the movements and habitat utilisation by green turtles in the Mediterranean. *Ecography* 25: 352–362. **[12]**

Goin JW. 1992. Requiem or recovery? *Texas Parks Wildlife* (August): 28–35. **[17]**

Goldberg SR, Lowe CH. 1997. Reproductive cycle of the Gila monster, *Heloderma suspectum*, in southern Arizona. *Journal of Herpetology* 31: 161–166. **[4]**

Goldman DI, Hu DL. 2010. Wiggling through the world. *American Scientist* 98: 314–323. **[10]**

Gomes AD, Moreira RG, Navas CA, Antoniazzi MM, Jared C. 2012. Review of the reproductive biology of caecilians (Amphibia, Gymnophiona). *South American Journal of Herpetology* 7: 191–202. **[1, 3, 8]**

Gomez C, Özbudak EM, Wunderlich J, Baumann D, Lewis J, Pourquié O. 2008. Control of segment number in vertebrate embryos. *Nature* 454: 335–339. **[10]**

Gomez D, Richardson C, Lengagne T, Derex M, Plenet S, Joly P, Léna J-P, Théry M. 2010. Support for a role of colour vision in mate choice in the nocturnal European treefrog (*Hyla arborea*). *Behaviour* 147: 1753–1768. **[13]**

Gomez D, Richardson C, Lengagne T, Plenet S, Joly P, Léna J-P, Théry M. 2009. The role of nocturnal vision in mate choice: Females prefer conspicuous males in the European tree frog (*Hyla arborea*). *Proceedings of the Royal Society London B* 276: 2351–2358. **[13]**

Gómez RO, Báez AM, Muzzopappa P. 2011. A new helmeted frog (Anura: Calyptocephalellidae) from an Eocene subtropical lake in northwestern Patagonia, Argentina. *Journal of Vertebrate Paleontology* 31: 50–59. **[3]**

Gomez-Mestre I, Buchholz DR. 2006. Developmental plasticity mirrors differences among taxa in spadefoot toads linking plasticity and diversity. *Proceedings of the National Academy of Sciences USA* 103: 19021–19026. **[8]**

Gomez-Mestre I, Pyron RA, Wiens JJ. 2012. Phylogenetic analyses reveal unexpected patterns in the evolution of reproductive modes in frogs. *Evolution* 66: 3687–3700. **[8]**

Gonçalves H, Martínez-Solano I, Ferrand N, García-París M. 2007. Conflicting phylogenetic signal of nuclear vs mitochondrial DNA markers in midwife toads (Anura, Discoglossidae, *Alytes*): Deep coalescence or ancestral hybridization? *Molecular Phylogenetics and Evolution* 44: 494–500. **[3]**

Gonçalves VF, de Brito-Gitirana L. 2008. Structure of the sexually dimorphic gland of *Cycloramphus fuliginosus* (Amphibia, Anura, Cycloramphidae). *Micron* 39: 32–39. **[3]**

González-Porter GP, Hailer F, Flores-Villela O, García-Anleu R, Maldonado JE. 2011. Patterns of genetic diversity in the critically endangered Central American river turtle: Human influence since the Mayan age? *Conservation Genetics* 12: 1229–1242. **[4, 8]**

Good DA. 1987. An allozyme analysis of anguid subfamilial relationships (Lacertilia: Anguidae). *Copeia* 1987: 696–701. **[4]**

Good DA. 1988. Phylogenetic relationships among Gerrhonotine lizards: An analysis of external morphology. *University of California Publications in Zoology* 121: 1–139. **[4]**

Good DA. 1989. Hybridization and cryptic species in *Dicamptodon* (Caudata: Dicamptodontidae). *Evolution* 43: 728–744. **[3]**

Good DA. 1994. Species limits in the genus *Gerrhonotus* (Squamata: Anguidae). *Herpetological Monographs* 8: 180–202. **[4]**

Good DA, Wake DB. 1992. Geographic variation and speciation in the torrent salamanders of the genus *Rhyacotriton* (Caudata: Rhyacotritonidae). *University of California Publications in Zoology* 126: 1–91. **[3]**

Goode J, Russell J. 1968. Incubation of eggs of three species of chelid tortoises, and notes on their embryological development. *Australian Journal of Zoology* 16: 749–761. **[9]**

Goodman BA, Schwarzkopf L, Krockenberger AK. 2013. Phenotypic integration in response to incubation environment adaptively influences habitat choice in a tropical lizard. *American Naturalist* 182, doi: 10.1086/673299. **[9]**

Gopurenko D, Williams RN, DeWoody JA. 2007. Reproductive and mating success in the small-mouthed salamander (*Ambystoma texanum*) estimated via microsatellite parentage analysis. *Evolutionary Biology* 34: 130–139. **[14]**

Gordos MA, Limpus CJ, Franklin CE. 2006. Response of heart rate and cloacal ventilation in the bimodally respiring freshwater turtle, *Rheodytes leukops*, to experimental changes in aquatic PO_2. *Journal of Comparative Physiology* B 176: 65–73. **[7]**

Goricki S, Trontelj P. 2006. Structure and evolution of the mitochondrial control region and flanking sequences in the European cave salamander *Proteus anguinus*. *Gene*, 378, 31–41. **[3]**

Goris R. 2011. Infrared organs of snakes: An integral part of vision. *Journal of Herpetology* 45: 2–14. **[4]**

Goris R, Nakano M, Atobe Y, Kadota T, Funakoshi K, Hisajima T, Kishida R. 2000. Nervous control of flood flow microkinetics in the infrared organs of pit vipers. *Autonomic Neuroscience*: *Basic and Clinical* 84: 98–106. **[4]**

Gorman GC. 1973. The chromosomes of the Reptilia, a cytotaxonomic interpretation. *In* Chiarelli AB, Capanna E (eds.). *Cytotaxonomy and Vertebrate Evolution*, pp. 349–424. Academic Press, New York. **[4]**

Gorzula SJ. 1978. An ecological study of *Caiman crocodilus crocodilus* inhabiting savannah lagoons in the Venezuelan Guayana. *Oecologia* 35: 21–34. **[12]**

Gow CE, Raath MA. 1977. Fossil vertebrate studies in Rhodesia: Sphenodontid remains from the Upper Triassic of Rhodesia. *Palaeontologia Africana* 20: 121–122. **[4]**

Gower DJ, Giri V, Dharne MS, Shouche YS. 2008. Frequency of independent origins of viviparity among caecilians (Gymnophiona): Evidence from the first 'live-bearing' Asian amphibian. *Journal of Evolutionary Biology* 21: 1220–1226. **[8]**

Gower DJ, Kupfer A, Oommen OV, Himstedt, W, Nussbaum RA, Loader SP, Wilkinson M. 2002. A molecular phylogeny of ichthyophiid caecilians (Amphibia: Gymnophiona: Ichthyophiidae): out of India or out of South East Asia? *Proceedings of the Royal Society London B* 269: 1563–1569. **[3, 5]**

Gower DJ, Mauro DS, Giri V, Bhatta G, Govindappa V, Kotharambath R, Wilkinson M. 2011. Molecular systematics of caeciliid caecilians (Amphibia: Gymnophiona) of the Western Ghats, India. *Molecular Phylogenetics and Evolution* 59: 698–707. **[3]**

Gower DJ, Wilkinson M. 2005. Conservation biology of caecilian amphibians. *Conservation Biology* 19: 45–55. **[1]**

Gower DJ, Wilkinson M. 2005. Conservation biology of caecilian amphibians: A review. *Conservation Biology* 19: 45–55. **[17]**

Gower DJ, Wilkinson M. 2007. Species groups in the Indian caecilian genus *Uraeotyphlus* Peters (Amphibia: Gymnophiona: Uraeotyphlidae), with the description of a new species. *Herpetologica* 63: 401–410. **[3]**

Gower DJ, Winkler JD. 2007. Taxonomy of the Indian snake *Xylophis* Beddome (Serpentes: Caenophidia), with description of a new species. *Hamadryad* 31: 315–329. **[4]**

Gracheva EO, Ingolia NT, Kelly YM, Cordero-Morales JF, Hollopeter G, Chesler AT, Julius D. 2010. Molecular basis of infrared detection by snakes. *Nature* 464: 1006–1011. **[4]**

Graciá E, Giménez A, Anadón JD, Harris DJ, Fritz U, Botella F. 2013. The uncertainty of Late Pleistocene range expansions in the western Mediterranean: a case study of the

colonization of southeastern Spain by the spur-thighed tortoise, *Testudo graeca*. *Journal of Biogeography* 40: 323–334. **[5]**

Gradwell N. 1972. Gill irrigation in *Rana catesbeiana*. Part II. On the musculoskeletal mechanism. *Canadian Journal of Zoology* 50: 501–521. **[11]**

Graf J-D, Polls Pelaz M. 1989. Evolutionary genetics of the *Rana esculenta* complex. *In* Dawley RM, Bogart JP (eds.). *Evolution and Ecology of Unisexual Vertebrates* (New York State Museum Bulletin 466), pp. 289–302. State University of New York, Albany. **[8]**

Grafe TU, Saat HBM, Hagen N, Kaluza B, Berudin ZBH, Wahab MABA. 2008. Acoustic localization of frogs hosts by blood-sucking flies *Corethrella* Coquillet (Diptera: Corethrellidae) in Borneo. *Australian Journal of Entomology* 47: 350–354. **[13]**

Graham T, Georges A, McElinney N. 1996. Terrestrial orientation by the eastern long-necked turtle, *Chelodina longicollis*, from Australia. *Journal of Herpetology* 30: 467–477. **[12]**

Grandison AGC. 1980. Aspects of breeding morphology in *Mertensophryne micranotis* (Anura: Bufonidae): Secondary sexual characters, eggs and tadpole. *Bulletin of the British Museum (Natural History)* 39: 299–304. **[3]**

Grandison AGC, Ashe S. 1983. The distribution, behavioural ecology and breeding strategy of the pygmy toad *Mertensophyrne micranotis* (Lov.). *Bulletin of the British Museum (Natural History) Zoology Series* 45: 85–93. **[8]**

Grant T, Frost DR, Caldwell JP, Gagliardo RON, Haddad CF, Kok PJ, Wheeler WC. 2006. Phylogenetic systematics of dart-poison frogs and their relatives (Amphibia: Athesphatanura: Dendrobatidae). *Bulletin of the American Museum of Natural History* 1–262. **[3]**

Graybeal A, Cannatella DC. 1995. A new taxon of Bufonidae from Peru, with descriptions of two new species and a review of the phylogenetic status of supraspecific bufonid taxa. *Herpetologica* 51: 105–131. **[3]**

Graybeal A, de Queiroz, K. 1992. Inguinal amplexus in *Bufo fastidiosus*, with comments on the systematics of bufonid frogs. *Journal of Herpetology* 26: 84–87. **[8]**

Grazziotin FG, Zaher H, Murphy RW, Scrocchi G, Benavides MA, Zhang YP, Bonatto SL. 2012. Molecular phylogeny of the new world dipsadidae (Serpentes: Colubroidea): A reappraisal. *Cladistics* 28: 437–459. **[4]**

Gredler ML, Larkins CE, Leal F, Lewis AK, Herrera AM, Perriton CL, Sanger TJ, Cohn MJ. 2014. Evolution of external genitalia: insights from reptilian development. *Sexual Development* 8: 311–326. **[2]**

Green AJ. 1991. Large male crests, an honest indicator of condition, are preferred by female smooth newts, *Triturus vulgaris* (Salamandridae) at the spermatophore transfer stage. *Animal Behaviour* 41: 367–369. **[14]**

Green DM, Cannatella DC. 1993. Phylogenetic significance of the amphicoelous frogs, Ascaphidae and Leiopelmatidae. *Ethology, Ecology, and Evolution* 5: 233–245. **[3]**

Green DM. 1981. Adhesion and the toe pads of treefrogs. *Copeia* 1981: 790–796. **[10]**

Greenbaum E, Kusamba C. 2012. Conservation implications following the rediscovery of four frog species from the Itombwe Natural Reserve, Eastern Democratic Republic of the Congo. *Herpetological Review* 43: 253–259. **[17]**

Greene HW. 1982. Dietary and phenotypic diversity in lizards: Why are some organisms specialized? *In* Mossakowski D, Roth G (eds.). *Environmental Adaptation and Evolution:*

A Theoretical and Empirical Approach, pp. 107–128. Gustav Fischer Verlag, Stuttgart. **[15]**

Greene HW. 1983. Dietary correlates of the origin and radiation of snakes. *American Zoologist* 23: 431–441. **[11]**

Greene HW 1988. Antipredator mechanisms in reptiles. *In* Gans C, Huey RB (eds.). *Biology of the Reptilia, Vol. 16: Ecology B, Defense and Life History*, pp. 1–152. Alan R. Liss, New York. **[15]**

Greene HW. 1989. Ecological, evolutionary, and conservation implications of feeding biology in Old World cat snakes, genus *Boiga* (Colubridae). *Proceedings of the California Academy of Science* 46: 193–207. **[11]**

Greene HW. 1992. The ecological and behavioral context for pit viper evolution. *In* Campbell JA, Brodie ED Jr (eds.). *Biology of Pit Vipers*, pp. 107–117. Selva Natural History Book Publishers, Tyler, TX. **[4]**

Greene HW. 1997. *Snakes: The Evolution of Mystery in Nature*. University of California Press, Berkeley. **[1, 4, 11]**

Greene HW, Burghardt GM. 1978. Behavior and phylogeny: Constriction in ancient and modern snakes. *Science* 200: 74–77. **[11]**

Greene HW, Cundall D. 2000. Limbless tetrapods and snakes with legs. *Science* 287: 1939–1941. **[4]**

Greene HW, May PG, Hardy DL, Sciturro JM, Farrell TM. 2002. Parental behavior by vipers. *In* Schuett GW, Hoggren M, Douglas ME, Green HW (eds.). *Biology of the Vipers*, pp. 179–205, Eagle Mountain Publications, Eagle Mountain, UT. **[4, 9]**

Greene HW, McDiarmid RW. 1981. Coral snake mimicry: Does it occur? *Science* 213: 1207–1212. **[4]**

Greene HW, Rodríguez JJS, Powell BJ. 2006. Parental behavior in anguid lizards. *South American Journal of Herpetology* 1: 9–19. **[4]**

Greene HW, Sigala Rodriguez JJ, Powell BJ. 2006. Parental behavior in anguid lizards. *South American Journal of Herpetology* 1: 9–19. **[9]**

Greer AE. 1970a. A subfamilial classification of scincid lizards. *Bulletin of the Museum of Comparative Zoology* 139: 151–184. **[4]**

Greer AE. 1970b. The systematics and evolution of the subsaharan Africa, Seychelles, and Mauritius scincine scincid lizards. *Bulletin of the Museum of Comparative Zoology* 140: 1–24. **[4]**

Greer AE. 1985. The relationships of the lizard genera Anelytropsis and Dibamus. *Journal of Herpetology* 19: 116–156. **[4]**

Greer AE. 1987. Limb reduction in the lizard genus *Lerista*. 1. Variation in the number of phalanges and presacral vertebrae. *Journal of Herpetology* 21: 267–276. **[4]**

Greer AE. 1990. Limb reduction in the scincid lizard genus Lerista. 2. Variation in the bone complements of the front and rear limbs and the number of postsacral vertebrae. *Journal of Herpetology*. 24: 142–150. **[4]**

Greer AE. 1991. Limb reduction in squamates: Identification of the lineages and discussion of the trends. *Journal of Herpetology*. 25: 166–173. **[4]**

Greer AE. 1992. Hyperphalangy in squamates: Insight on the reacquisition of primitive character states in limb-reduced lineages. *Journal of Herpetology* 26: 327–329. **[4]**

Greer AE, Caputo V, Lanza B, Palmieri R. 1998. Observations on limb reduction in the scincid lizard genus *Chalcides*. *Journal of Herpetology* 32: 244–252. **[4]**

Gregory PT, Macartney JM, Larsen KW. 1987. Spatial patterns and movements. *In* Siegel RA, Collins JT, Novak SS (eds.). *Snakes: Ecology and Evolutionary Biology*, pp. 366–395. Macmillan, New York. **[12, 14]**

Grenard S. 1994. *Medical Herpetology*. Reptile & Amphibian Magazine/NG Publishing, Pottsville, PA. **[17]**

Grenat PR, Zavala Gallo LM, Salas NE, Martino AL. 2012. Reproductive behaviour and development dynamics of *Odontophrynus cordobae* (Anura, Cycloramphidae). *Journal of Natural History* 46: 1141–1151. **[3]**

Grenot CJ, Garcin L, Dao J, Hérold J-P, Fahys B, Tséré-Pagès H. 2000. How does the European common lizard, *Lacerta vivipara*, survive the cold of winter? *Comparative Biochemistry and Physiology Part A* 127: 71–80. **[7]**

Griffith OW, Blackburn DG, Brandley MC, Van Dyke JU, Whittington CM, Thompson MB. 2015. Ancestral state reconstructions require biological evidence to test evolutionary hypotheses: A case study examining the evolution of reproductive mode in squamate reptiles. *Journal of Experimental Zoology B*: *Molecular and Developmental Evolution*. doi: 10.1002/jez.b.22614. **[4]**

Grigg G, Kirshner D. 2015. *Biology and Evolution of the Crocodylians*. Cornell University Press, Ithaca, NY. **[1]**

Grimmond NM, Preest MR, Pough FH. 1994. Energetic cost of feeding on different kinds of prey for the lizard *Chalcides ocellatus*. *Functional Ecology* 8: 17–21. **[7]**

Grismer LL. 1988. Phylogeny, taxonomy, classification, and biogeography of eublepharid geckos. *In* Estes R, Pregill GK (eds.). *Phylogenetic Relationships of the Lizard Families, Essays Commemorating Charles L. Camp*, pp. 369–469. Stanford University Press, Stanford, CA. **[4]**

Grosjean S, Glos J, Teschke M, Glaw F, Vences M. 2007. Comparative larval morphology of Madagascan toadlets of the genus *Scaphiophryne*: Phylogenetic and taxonomic inferences. *Zoological Journal of the Linnean Society* 151: 555–576. **[3]**

Grosjean S, Vences M, Dubois A. 2004. Evolutionary significance of oral morphology in the carnivorous tadpoles of tiger frogs, genus *Hoplobatrachus* (Ranidae). *Biological Journal of the Linnean Society* 81: 171–181. **[3]**

Gross MR, Shine R. 1981. Parental care and mode of fertilization in ectothermic vertebrates. *Evolution* 35: 775–793. **[8, 9]**

Gu X, Wang H, Chen R, Tian Y, Li S. 2012. The phylogenetic relationships of *Paramesotriton* (Caudata: Salamandridae) based on partial mitochondrial DNA gene sequences. *Zootaxa* 3150: 59–68. **[3]**

Guayasamin JM, Castroviejo-Fisher S, Ayarzagüena J, Trueb L, Vilà C. 2008. Phylogenetic relationships of glassfrogs (Centrolenidae) based on mitochondrial and nuclear genes. *Molecular Phylogenetics and Evolution* 48: 574–595. **[3]**

Guayasamin JM, Castroviejo-Fisher S, Trueb L, Ayarzagüena J, Rada M, Vilà C. 2009. Phylogenetic systematics of glassfrogs (Amphibia: Centrolenidae) and their sister taxon *Allophryne ruthveni*. *Zootaxa* 2100: 1–97. **[3]**

Guerry AD, Hunter ML Jr. 2002. Amphibian distributions in a landscape of forests and agriculture: An examination of landscape composition and configuration. *Conservation Biology* 16: 745–754. **[16, 17]**

Guillette, LJ Jr. 1982. The evolution of viviparity and placentation in the high elevation, Mexican lizard *Sceloporus aeneus*. *Herpetologica* 38: 94–103. **[9]**

Guillette LJ Jr. 1987. The evolution of viviparity in fishes, amphibians and reptiles: An endocrine approach. *In* Norris O, Jones RE (eds.). *Hormones and Reproduction in Fishes, Amphibians, and Reptiles*, pp. 523–560. Plenum, New York. **[8, 9]**

Guillette LJ Jr, Fox SL, Palmer BD. 1989. Oviductal morphology and egg shelling in the oviparous lizards *Crotaphytus collaris* and *Eumeces obsoletus*. *Journal of Morphology* 201: 145–159. **[9]**

Guillette LJ Jr. Crain DA. 1996. Endocrine-disrupting contaminants and reproductive abnormalities in reptiles. *Comments Toxicology* 5: 381–399. **[17]**

Guillette LJ Jr., Crain DA, Gunderson MP, Kools SAE, Milnes MR, Orlando EF, Rooney AA, Woodward AR. 2000. Alligators and endocrine disrupting contaminants: A current perspective. *American Zoologist* 40: 438–452. **[17]**

Guillette LJ Jr., Gross TS, Masson GR, Matter JM, Percival HF, Woodward AR. 1994. Developmental abnormalities of the gonad and abnormal sex hormone concentrations in juvenile alligators from contaminated and control lakes in Florida. *Environmental Health Perspectives* 102: 680–688. **[17]**

Guinea ML. 1996. Functions of the cephalic scales of the sea snake *Emydocephalus annulatus*. *Journal of Herpetology* 30: 126–128. **[15]**

Gunawardene NR, Daniels DA, Gunatilleke IAUN, Gunatilleke CVS, Karunakaran PV, Nayak GK, Vasanthy G. 2007. A brief overview of the Western Ghats–Sri Lanka biodiversity hotspot. *Current Science* 93: 1567–1572. **[5]**

Günther R, Manthey U. 1995. *Xenophidion*, a new genus with two new species of snakes from Malaysia (Serpentes, Colubridae). *Amphibia-Reptilia* 16: 229–240. **[4]**

Gunzburger MS. 2003. Evaluation of the hatching trigger and larval ecology of the salamander *Amphiuma means*. *Herpetologica* 59: 459–468. **[8]**

Gunzburger MS, Travis J. 2005. Critical review of the evidence for unpalatability of amphibian eggs and larvae. *Journal of Herpetology* 39: 547–571. **[15]**

Guo P, Liu Q, Xu Y, Jiang K, Hou M, Ding L, Burbrink FT. 2012. Out of Asia: Natricine snakes support the Cenozoic Beringian dispersal hypothesis. *Molecular Phylogenetics and Evolution* 63: 825–833. **[4]**

Guo P, Liu Q, Zhang L, Li JX, Huang Y, Pyron RA. 2014. A taxonomic revision of the Asian keelback snakes, genus *Amphiesma* (Serpentes: Colubridae: Natricinae), with description of a new species. *Zootaxa* 3873: 425–440. **[4]**

Guo Y, Wu Y, He S, Shi H, Zhao E. 2011. Systematics and molecular phylogenetics of Asian snail-eating snakes (Pareatidae). *Zootaxa* 3001: 57–64. **[4]**

Gururaja KV. 2010. Novel reproductive mode in a torrent frog *Micrixalus saxicola* (Jerdon) from the Western Ghats, India. *Zootaxa* 2642: 45–52. **[3]**

Guyer C. 1991. Orientation and homing behavior as a measure of affinity for the home range in two species of iguanid lizards. *Amphibia-Reptilia* 12: 373–384. **[12]**

Gvoždík, L. 2003, Postprandial thermophily in the Danube crested newt, *Triturus dobrogicus. Journal of Thermal Biology* 28: 545–550. **[6]**

Haacke WD. 1969. The call of the barking geckos (Gekkonidae: Reptilia). *Scientific Papers of the Namib Desert Research Station* 46: 83–93. **[13]**

Haas A, Hertwig S, Das I. 2006. Extreme tadpoles: The morphology of the fossorial megophryid larva, *Leptobrachella mjobergi*. *Zoology* 109: 26–42. **[3]**

Haas A, Pohlmeyer J, McLeod DS, Kleinteich T, Hertwig ST, Das I, Buchholz DR. 2014. Extreme tadpoles II: The highly derived larval anatomy of *Occidozyga baluensis* (Boulenger, 1896), an obligate carnivorous tadpole. *Zoomorphology* 133: 1–22. **[3]**

Haas A. 2003. Phylogeny of frogs as inferred from primarily larval characters (Amphibia: Anura). *Cladistics* 19: 23–89. **[3]**

Haas G. 1955. The systematic position of *Loxocemus bicolor* Cope (Ophidia). *American Museum Novitates* 1748: 1–8. **[4]**

Haddad CFB, Giaretta AA. 1999. Visual and acoustic communication in the courtship behavior of *Hylodes asper* (Anura, Leptodactylidae). *Herpetologica* 55: 324–333. **[8]**

Haddad CFB, Pombal JP Jr. 1998. Rediscription of *Physalaemus spiniger* (Anura: Leptodactylidae) and description of two new reproductive modes. *Journal of Herpetology* 32: 557–565. **[8]**

Haddad CFB, Prado CPA. 2005. Reproductive modes in frogs and their unexpected diversity in the Atlantic forest of Brazil. *BioScience* 55: 207–217. **[8]**

Haddad CFB, Sawaya RJ. 2000. Reproductive modes of Atlantic forest hylid frogs: A general overview with the description of a new mode. *Biotropica* 32: 862–871. **[8]**

Hagman M, Pape T, Schulte R. 2005. Flesh fly myiasis (Diptera, Sarcophagidae) in Peruvian poison frogs genus *Epipedobates* (Anura, Dendrobatidae). *Phyllomedusa* 4: 69–73. **[15]**

Hagman M, Phillips BL, Shine R. 2009. Fatal attraction: Adaptations to prey on native frogs imperil snakes after invasion of toxic toads. *Proceedings of the Royal Society London B* 276: 2813–2818. **[15]**

Hagman M, Shine R. 2008. Deceptive digits: The functional significance of toe waving by cannibalistic cane toads, *Chaunus marinus*. *Animal Behaviour* 75: 123–131. **[15]**

Hahn DE. 1978. A brief review of the genus *Leptotyphlops* (Reptilia, Serpentes, Leptotyphlopidae) of Asia, with description of a new species. *Journal of Herpetology* 12: 477–489. **[4]**

Hahn DE, Wallach V. 1998. Comments on the systematics of Old World Leptotyphlops (Serpentes: Leptotyphlopidae), with a description of a new species. *Hamadryad* 23: 50–62. **[4]**

Halfwerk W, Jones PL, Taylor RC, Ryan MJ, Page RA. 2014. Risky ripples allow bats and frogs to eaves drop on a multisensory sexual display. *Science* 343: 413–416. **[13, 15]**

Hall BG. 2011. *Phylogenetic Trees Made Easy,* 4th Ed. Sinauer Associates, Sunderland, MA. **[2]**

Hall R. 1996. Reconstructing Cenozoic Southeast Asia. *Geological Society, London, Special Publications* 106: 153–184. **[5]**

Hall R. 2002. Cenozoic geological and plate tectonic evolution of Southeast Asia and the southwest Pacific: Computer-based reconstructions, model, and animations. *Journal of Asian Earth Sciences* 20: 353–431. **[5]**

Hall R, Blundell DJ. 1996. Tectonic evolution of Southeast Asia: Introduction. *Geological Society, London, Special Publications* 106: vii-xiii. **[5]**

Halliday TR. 1977. The courtship of European newts: an evolutionary perspective. *In* Taylor DH, Guttman SI. *The Reproductive Biology of Amphibians*, pp. 185–232. Plenum Press, New York. **[14]**

Halliday TR. 1990. The evolution of courtship behavior in newts and salamanders. *Advances in the Study of Behavior* 19: 137–169. **[8, 13]**

Halliday TR. 1998. Sperm competition in amphibians. *In* Birkhead TR, Moller AP (eds.). *Sperm Competition and Sexual Selection*, pp. 465–502. Academic Press, San Diego, CA. **[8]**

Halliday TR, Sweatman HPA. 1976. To breathe or not to breathe: The newt's problem. *Animal Behaviour* 24: 551–561. **[7]**

Halliday TR, Tejedo M. 1995. Intrasexual selection and alternative mating behaviour. *In* Heatwole H, Sullivan BK (eds.). *Amphibian Biology, Vol. 2: Social Behaviour*, pp. 419–468. Surrey Beatty and Sons, Chipping Norton, New South Wales, Australia. **[14]**

Halpern MT. 1992. Nasal chemical senses in reptiles: Structure and function. *In* Gans C, Crews D (eds.). *Biology of the Reptilia, Vol. 18, Physiology E: Hormones, Brain, and Behavior*, pp. 423–523. Alan R. Liss, New York. **[13]**

Hamer R, Lemckert FL, Banks PB. 2011. Adult frogs are sensitive to the predation risks of olfactory communication. *Biology Letters* 7: 361–363. **[13]**

Hamilton DG, Whiting MJ, Pryke SR. 2013. Fiery frills: Carotenoid-based coloration predicts contest success in frillneck lizards. *Behavioral Ecology* 24: 1138–1149. **[13]**

Hanifin CT. 2010. The chemical and evolutionary ecology of tetrodotoxin (TTX) toxicity in terrestrial vertebrates. *Marine Drugs* 8: 577–593. **[15]**

Hanken J. 1986. Developmental evidence for amphibian origins. *Evolutionary Biology* 20: 389–417. **[3]**

Hanken J. 1999. Larvae in amphibian development and evolution. *In* Hall BK, Wake MH (eds.). *The Origin and Evolution of Larval Forms*, pp. 61–108. Academic Press, San Diego CA. **[8]**

Hanna G, Barnes WJP. 1991. Adhesion and detachment of the toe pads of tree frogs. *Journal of Experimental Biology* 155: 103–125. **[10]**

Hansen DM, Beer K, Muller CB. 2006. Mauritian coloured nectar no longer a mystery: A visual signal for lizard pollinators. *Biology Letters* 2: 165–168. **[15]**

Hardaway TE, Williams KL. 1976. Costal cartilages in snakes and their phylogenetic significance. *Herpetologica* 32: 378–387. **[4]**

Hardy DL. 1994. A re-evaluation of suffocation as the cause of death during constriction by snakes. *Herpetological Review* 25: 45–47. **[11]**

Hargreaves AD, Swain MT, Hegarty MJ, Logan DW, Mulley JF. 2014b. Restriction and recruitment—Gene duplication and the origin and evolution of snake venom toxins. *Genome Biology and Evolution* 6: 2088–2095. **[4]**

Hargreaves AD, Swain MT, Logan DW, Mulley JF. 2014. Testing the Toxicofera: Comparative transcriptomics casts doubt on the single, early evolution of the reptile venom system. *Toxicon* 92: 140–156. **[11]**

Hargreaves AD, Swain MT, Logan DW, Mulley JF. 2014a. Testing the Toxicofera: Comparative transcriptomics casts doubt on the single, early evolution of the reptile venom system. *Toxicon* 92: 140–156 **[4]**

Harkness L. 1977. Chameleons use accommodation cues to judge distance. *Nature* 267: 346–349. **[11]**

Harris DJ, Arnold EN, Thomas RH. 1998. Relationships of lacertid lizards (Reptilia: Lacertidae) estimated from mitochondrial DNA sequences and morphology. *Proceedings of the Royal Society London B* 265: 1938–1948. **[4]**

Harris RN and 10 others. 2009. Skin microbes on frogs prevent morbidity and mortality caused by a lethal skin fungus. *ISME Journal* 3: 818–824. **[17]**

Harris RN, James TY, Lauer A, Simon MA, Patel A. 2006. The amphibian pathogen *Batrachochytrium dendrobatidis* is inhibited by the cutaneous bacteria of amphibian species. *EcoHealth* 3: 53–56. **[17]**

Hart NS, Hunt DM. 2007. Avian visual pigments: Characteristics, spectral tuning, and evolution. *The American Naturalist* 169: S7–S26. **[4]**

Harte J, Hoffman E. 1989. Possible effects of acidic deposition on a Rocky Mountain population of the tiger salamander *Ambystoma tigrinum*. *Conservation Biology* 3: 149–158. **[17]**

Hartline PH, Kass L, Loop MS. 1978. Merging of modalities in the optic tectum: Infrared and visual integration in rattlesnakes. *Science* 199: 1225–1229. **[4]**

Harvey MB, Gutberlet RL Jr. 1998. Lizards of the genus *Tropidurus* (Iguania: Tropiduridae) from the Serrania de Huanchaca, Bolivia: New species, natural history, and a key to the genus. *Herpetologica* 54: 493–520. **[4]**

Harvey MB, Gutberlet RL Jr. 2000. A phylogenetic analysis of the tropidurine lizards (Squamata: Tropiduridae), including new characters of squamation and epidermal microstructure. *Zoological Journal of the Linnean Society* 128: 189–233. **[4]**

Harvey MB, Ugueto GN, Gutberlet Jr RL. 2012. Review of teiid morphology with a revised taxonomy and phylogeny of the Teiidae (Lepidosauria: Squamata). *Zootaxa* 3459: 156. **[4]**

Hasegawa M. 2003. Ecological diversification of insular terrestrial reptiles: A review of the studies on the lizard and snakes of the Izu Islands. *Global Environmental Research* (English edition) 7: 59–68. **[5]**

Hasson O, Hibbard R, Ceballos G. 1989. The pursuit deterrent function of tail-wagging in the zebra-tailed lizard (*Callisaurus draconoides*). *Canadian Journal of Zoology*. 67: 1203–1209. **[4]**

Hasumi M, Iwasawa H. 1990. Seasonal changes in body shape and mass in the salamander *Hynobius nigrescens*. *Journal of Herpetology*. 24: 113–118. **[3]**

Hasumi M, Kanda F. 1998. Breeding habits of the Siberian salamander (*Salamandrella keyserlingii*) within a fen in Kushiro Marsh, Japan. *Herpetological Review* 29: 150–153. **[3]**

Hasumi M. 1994. Reproductive behavior of the salamander *Hynobius nigrescens*: Monopoly of egg sacs during scramble competition. *Journal of Herpetology*. 28: 264–267. **[3, 14]**

Hasumi M. 2001. Sexual behavior in female-biased operational sex ratios in the salamander *Hynobius nigrescens*. *Herpetologica* 57: 396–406. **[14]**

Hawkes EW, Eason EV, Christensen DL, Cutkosky MR. 2015. Human climbing with efficiently scaled gecko-inspired dry adhesives. *Journal of the Royal Society Interface*, 12. doi: 10.1098/rsif.2014.0675. **[10]**

Hawlitschek O, Nagy ZT, Glaw F. 2012. Island evolution and systematic revision of Comoran snakes: Why and when subspecies still make sense. *PLoS One* 7(8): e42970. **[4]**

Hay JM, Sarre SD, Lambert DM, Allendorf FW, Daugherty CH. 2010. Genetic diversity and taxonomy: a reassessment of species designation in tuatara (*Sphenodon*: Reptilia). *Conservation Genetics* 11: 1063–1081. **[1, 4]**

Hayes RA, Crossland MR, Hagman M, Capon RJ, Shine R. 2009. Ontogenetic variation in the chemical defenses of cane toads (*Bufo marinus*): Toxin profiles and effects on predators. *Journal of Chemical Ecology* 35: 391–399. **[15]**

Hayes T, Haston K, Tsui M, Hoang A, Haeffele C, Vonk A. 2002b. Feminization of male frogs in the wild. *Nature* 419: 895–896. **[17]**

Hayes T, Licht P. 1992. Gonadal involvement in sexual size dimorphism in the African bullfrog (*Pyxicephalus adspersus*). *Journal of Experimental Zoology* 264: 130–135. **[14]**

Hayes TB. 1998. Sex differentiation in amphibians, reptiles, and birds, hormonal regulation. *In* Knobil E, Neill JD (eds.). *Encyclopedia of Reproduction, Vol. 4*, pp. 414–421. Academic Press, San Diego, CA. **[8]**

Hayes TB and 10 others. 2006a. Pesticide mixtures, endocrine disruption, and amphibian declines: Are we underestimating the impact*? Environmental Health Perspectives* 114, Supplement 1: 40–50. **[17]**

Hayes TB, Collins A, Lee M, Mendoza M, Noriega N, Stuart AA, Vonk A. 2002. Hermaphroditic, demasculinized frogs after exposure to the herbicide atrazine at low ecologically relevant doses. *Proceedings of the National Academy of Sciences USA* 99: 5476–5480. **[8]**

Hayes TB, Collins A, Lee M, Mendoza M, Noriega N, Stuart AA, Vonk A. 2002a. Hermaphroditic, demasulinized frogs after exposure to the herbicide atrazine at low ecologically relevant doses. *Proceedings of the National Academy of Sciences USA* 99: 5476–5480. **[17]**

Hayes TB, Falso P, Gallipeau S, Stice M. 2010. The cause of global amphibian declines: A developmental endocrinologist's perspective. *Journal of Experimental Biology* 213: 921–933. **[1, 17]**

Hayes TB, Stuart A, Mendoza G, Collins A, Noriega N, Vonk A, Johnston G, Liu R, Kpodzo D. 2006. Characterization of atrazine-induced gonadal malformations and effects of an androgen antagonist (cyproterone acetate) and exogenous estrogen: Support for the demasculinization/feminization hypothesis. *Environmental Health Perspectives* 114: 134–141. **[8]**

Hayes TB, Stuart A, Mendoza G, Collins A, Noriega N, Vonk A, Johnston G, Liu R. et al. 2006b. Characterization of atrazine-induced gonadal malformations and effects of an androgen antagonist (cyproterone acetate) and exogenous estrogen (estradiol 17β): Support for the demasulinization/feminization hypothesis. *Environmental Health Perspectives* 114: 134–141. **[17]**

Hays GC, Åkesson S, Broderick AC, Glen F, Godley BJ, Papi F, Luschi P. 2003. Island-finding ability of marine turtles. *Proceedings of the Royal Society London B* 270 (Supplement 1): S5-S7. **[12]**

Hays GC, Scott R. 2013. Global patterns for upper ceilings on migration distance in sea turtles and comparisons with fish, birds and mammals. *Functional Ecology* 27: 748–756. **[12]**

Hazard LC, Lechuga C, Zilinskis S. 2010. Secretion by the nasal salt glands of two insectivorous lizard species is initiated by an ecologically relevant dietary ion, chloride. *Journal of Experimental Zoology* 313A: 442–451, **[6]**

Hazard LC. 2001. Ion secretion by salt glands of desert iguanas (*Dipsosaurus dorsalis*). *Physiological and Biochemical Zoology* 74: 22–31. **[6]**

Hazard LC. 2004. Sodium and potassium secretion by iguana salt glands: Acclimation or adaptation? *In* Alberts AC, Carter RL, Hayes WK (eds.). *Iguanas: Biology and Conservation*. University of California Press, Berkeley. **[6]**

He M, Feng JC, Liu SY, Guo P, Zhao EM. 2009. The phylogenetic position of *Thermophis* (Serpentes: Colubridae), an endemic snake from the Qinghai-Xizang Plateau, China. *Journal of Natural History* 43(7-8): 479–488. **[4]**

Head JJ, Aguilera OA, Sánchez-Villagra MR. 2006. Past colonization of South America by trionychid turtles: fossil evidence from the Neogene of Margarita Island, Venezuela. *Journal of Herpetology* 40: 378–381. **[5]**

Head JJ, Barrett PM, Rayfield EJ. 2009. Neurocranial osteology and systematic relationships of *Varanus* (*Megalania*) *prisca* Owen, 1859 (Squamata: Varanidae). *Zoological Journal of the Linnean Society* 155: 445–457. **[4]**

Head ML, Keogh JS, Doughty P. 2005. Male southern water skinks (*Eulamprus heatwolei*) use both visual and chemical cues to detect female sexual receptivity. *Acta Ethologica* 8: 79–85. **[13]**

Headland TN, Greene HW. 2011. Hunter-gatherers and other primates as prey, predators, and competitors of snakes. *Proceedings of the National Academy of Sciences USA* 108: E1470–E1474. **[4]**

Healy WR. 1974. Population consequences of alternative life histories in *Notophthalmus viridescens*. *Copeia* 1974: 221–229. **[3]**

Heaney LR. 2007. Is a new paradigm emerging for oceanic island biogeography? *Journal of Biogeography* 34: 753–757. **[5]**

Heath JE. 1965. Temperature regulation and diurnal activity in horned lizards. *University of California Publications in Zoology* 64: 97–136. **[6]**

Heath S, Schrey AW, Ashton KG, Mushinsky HR, McCoy ED. 2012. Contrasting genetic differentiation of a poorly dispersing lizard in connected and fragmented scrub habitats. *Journal of Herpetology* 46: 602–607. **[12]**

Heatwole H, Seymour RS. 1975. Pulmonary and cutaneous oxygen uptake in sea snakes and a file snake. *Comparative Biochemistry and Physiology A* 51: 399–405. **[7]**

Hecht MK, Edwards JL. 1976. The determination of parallel or monophyletic relationships: The proteid salamanders—a test case. *American Naturalist* 110: 653–677. **[3]**

Hecht MK, Walters V, Ramm G. 1955. Observations on the natural history of the Bahaman pigmy boa, *Tropidophis pardalis*, with notes on autohemorrhage. *Copeia* 1955: 249–251. **[4]**

Hecnar SJ. 1994. Nest distribution, site selection, and brooding in the fine-lined skink (*Eumeces faciatus*). *Canadian Journal of Ecology* 72: 1510–1516. **[9]**

Hedges SB. 2002. Morphological variation and the definition of species in the snake genus *Tropidophis* (Serpentes, Tropidophiidae). *Bulletin of the Natural History Museum*: *Zoology* 68: 83–90. **[4]**

Hedges, SB. 2009. Vertebrates (Vertebrata). *In* Hedges SB, Kumar S (eds.). *The Timetree of Life*, pp. 309–314. Oxford University Press, New York. **[2]**

Hedges SB. 2014. The high-level classification of skinks (Reptilia, Squamata, Scincomorpha). *Zootaxa* 3765: 317–338. **[4]**

Hedges SB, Duellman WE, Heinicke MP. 2008. New World direct-developing frogs (Anura: Terrarana): molecular phylogeny, classification, biogeography, and conservation. *Zootaxa* 1737: 1–182. **[3]**

Hedges SB, Hass CA, Maugel TK. 1989. Physiological color change in snakes. *Journal of Herpetology* 23: 450–455. **[4]**

Hedges SB, Heinicke MP. 2007. Molecular phylogeny and biogeography of West Indian frogs of the genus *Leptodactylus*(Anura, Leptodactylidae). *Molecular Phylogenetics and Evolution* 44: 308–314. **[3]**

Hedges SB, Marion AB, Lipp KM, Marin J, Vidal N. 2014. A taxonomic framework for typhlopid snakes from the Caribbean and other regions (Reptilia, Squamata). *Caribbean Herpetology* 49: 1–61. **[4]**

Hedges SB, Thomas R. 2001. At the lower size limit in amniote vertebrates: A new diminutive lizard from the West Indies. *Caribbean Journal of Science* 37: 168–173. **[4]**

Hedges SB, Vidal N. 2009. Lizards, snakes, and amphisbaenians (Squamata). *In* Hedges SB, Kumar S (eds.). *The Timetree of Life*, pp. 383–389. Oxford University Press, Oxford. **[1]**

Hedlund L, Robertson JGM. 1989. Lekking behaviour in crested newts, *Triturus cristatus*. *Ethology* 80: 111–119. **[14]**

Hedlund L. 1990. Factors affecting differential mating success in male crested newts, *Triturus cristatus*. *Journal of Zoology* 220: 33–40. **[14]**

Hedrick MS, Palioca WB, Hillman SS. 1999. Effects of temperature and physical activity on blood flow shunts and intracardiac mixing in the toad *Bufo marinus*. *Physiological and Biochemical Zoology* 72: 509–519. **[7]**

Heinicke MP, Duellman WE, Hedges SB. 2007. Major Caribbean and Central American frog faunas originated by ancient oceanic dispersal. *Proceedings of the National Academy of Sciences USA* 104: 10092–10097. **[3, 5]**

Heinicke MP, Duellman WE, Trueb L, Means DB, MacCulloch RD, Hedges SB. 2009. A new frog family (Anura: Terrarana) from South America and an expanded direct-developing clade revealed by molecular phylogeny. *Zootaxa* 2211: 1–35. **[3]**

Heiss E, Natchev N, Beisser C, Lemell P, Weisgram J. 2010. The fish in the turtle: On the functionality of the oropharynx in the common musk turtle *Sternotherus odoratus* (Chelonia, Kinosternidae) concerning feeding and underwater respiration. *The Anatomical Record* 293: 1416–1424. **[7]**

Helfman GS, Clark JB. 1986. Rotational feeding: Overcoming gape-limited foraging in anguillid eels. *Copeia* 1986: 679–685. **[11]**

Hellreigel B, Reyer H-U. 2000. Factors influencing the composition of mixed populations of a hemiclonal hybrid and its sexual host. *Journal of Evolutionary Biology* 13: 906–918. **[8]**

Hembree DI. 2007. Phylogenetic revision of Rhineuridae (Reptilia: Squamata: Amphibaenia) from the Eocene to Miocene North America. *University of Kansas Paleontological Contributions* 15: 1–20. **[4]**

Hendry CR, Guiger TJ, Pyron RA. 2014. Ecological divergence and sexual selection drive sexual size dimorphism in New World pitvipers (Serpentes: Viperidae). *Journal of Evolutionary Biology* 27: 760–771. **[14]**

Hennig W. 1966. *Phylogenetic Systematics*. University of Illinois Press, Urbana. **[2]**

Henrici AC. 1994. *Tephrodytes brassicarvalis*, new genus and species (Anura: Pelodytidae), from the Arikareean Cabbage Patch Geds of Montana, USA, and pelodytid-pelobatid relationships. *Annals of the Carnegie Museum of Natural History* 63: 155–183. **[3]**

Henschel JR, Seely MK. 2008. Ecophysiology of atmospheric moisture in the Namib Desert. *Atmospheric Research* 87: 362–368. **[6]**

Heppell SS. 1998. Application of life-history theory and population model analysis to turtle conservation. *Copeia* 1998: 367–375. **[16]**

Herczeg G, Kovács T, Hettyey A, Merilä. 2003. To thermoconform or thermoregulate? An assessment of thermoregulation opportunities for the lizard *Zootoca vivipara* in the subarctic. *Polar Biology* 26: 486–490. **[6]**

Hero J-M, Gascon C, Magnusson WE. 1998. Direct and indirect effects of predation on tadpole community structure in the Amazon rainforest. *Australian Journal of Ecology* 23: 474–482. **[16]**

Herrel A. 2007. Herbivory and foraging mode in lizards. *In* Reilly SM, McBrayer LD, Miles DB (eds.). *Lizard Ecology: The Evolutionary Consequences of Foraging Mode*, pp. 209–236. Cambridge University Press, Cambridge. **[15]**

Herrel A, Huyghe K, Vanhooydonck B, Backeljau T, Brueglemans K, Grbac, Van Damme R, Irschick DJ. 2008. Rapid large-scale evolutionary divergence in morphology and performance with exploitation of a different dietary resource. *Proceedings of the National Academy of Sciences USA* 105: 4792–4795. **[15]**

Herrel AH, Deban SM, Schaerlaeken V, Timmermans J-P, Adriaens D. 2009. Are morphological specializations of the hyolingual system in chameleons and salamanders tuned to demands on performance? *Physiological and Biochemical Zoology* 82: 29–39. **[11]**

Herrel AH, Meyers JJ, Aerts P, Nishikawa KC. 2000. The mechanics of prey prehension in chameleons. *Journal of Experimental Biology* 203: 3255–3263. **[11]**

Herrel AH, Meyers JJ, Nishikawa KC, De Vree F. 2001a. Morphology and histochemistry of the hyolingual apparatus in chameleons. *Journal of Morphology* 249: 154–170. **[11]**

Herrel AH, Meyers JJ, Nishikawa KC, De Vree F. 2001b. The evolution of feeding motor patterns in lizards: Modulatory complexity and possible constraints. *American Zoologist* 41: 1311–1320. **[11]**

Herrel AH, Meyers JJ, Timmermans J-P, Nishikawa KC. 2002. Supercontracting muscle: Producing tension over extreme muscle lengths. *Journal of Experimental Biology* 205: 2167–2173. **[11]**

Herrera-Montes A, Brokaw N. 2010. Conservation value of tropical secondary forest: A herpetofaunal perspective. *Biological Conservation* 143: 1414–1422. **[16]**

Herrera-Montes MI, Aide TM. 2011. Impacts of traffic noise on anuran and bird communities. *Urban Ecosystems* 14: 415–427. **[17]**

Herrick SZ. 2013. Ecological and behavioral interactions between two closely related North American frogs (*Rana clamitans* and *Rana catesbeiana*). Unpublished Ph.D. dissertation, University of Connecticut, Storrs, CT. **[13]**

Hertwig ST, Das I, Schweizer M, Brown R, Haas A. 2012. Phylogenetic relationships of the *Rhacophorus everetti*: Group and implications for the evolution of reproductive modes in *Philautus* (Amphibia: Anura: Rhacophoridae). *Zoologica Scripta* 41: 29–46. **[3]**

Hertwig ST, Schweizer M, Das I, Haas A. 2013. Diversification in a biodiversity hotspot: The evolution of Southeast Asian rhacophorid tree frogs on Borneo (Amphibia: Anura: Rhacophoridae). *Molecular Phylogenetics and Evolution* 68: 567–581. **[3]**

Hertz PE, Arima Y, Harrison A, Huey RB, Losos JB, Glor RE, 2013. Asynchronous evolution of physiology and morphology in *Anolis* lizards. *Evolution* 67: 2101–2113. **[1]**

Hertz PE, Huey RB, Nevo E. 1982. Flight versus flight: Body temperature influences defensive responses of lizards. *Animal Behavior* 30: 676–679. **[15]**

Hertz PE, Huey RB, Stevenson RD. 1993. Evaluating temperature regulation by field-active ectotherms: the fallacy of the inappropriate question. *American Naturalist* 142: 796–818. **[6]**

Herzog H. 2010. *Some We Love, Some We Hate, Some We Eat: Why It's So Hard to Think Straight About Animals*. Harper Collins, New York. **[17]**

Hetherington TE. 1989. Use of vibratory cues for detection of insect prey by the sandswimming lizard *Scincus scincus. Animal Behaviour* 37: 290–297. **[15]**

Hetherington TE, Lindquist ED. 1999. Lung-based hearing in an "earless" anuran amphibian. *Journal of Comparative Physiology A* 184: 395–401. **[13]**

Heulin B, Guillaume CP, Bea A, Arrayago MJ. 1993. Interprétation biogéographique de la bimodalité de reproduction du lézard *Lacerta vivipara*: Un modéle pour l'étude de l'évolution de la viviparit. *Biogeographica* 69: 1–11. **[4]**

Heusser H. 1968. Die Lebensweise der Erdkröte *Bufo bufo* (L.): Wanderungen und Sommerquartiere. *Revue Suisse de Zoologie* 75: 927–982. **[12]**

Hews DK, Date P, Hara E, Castellano MJ. 2011. Field presentation of male secretions alters social display in *Sceloporus virgatus* but not *S. undulatus* lizards. *Behavioral Ecology and Sociobiology* 65: 1403–1410. **[13]**

Heyer WR. 1974. Niche measurements of frog larvae from a seasonal tropical location in Thailand. *Ecology* 55: 651–656. **[3]**

Heyer WR. 1978. Systematics of the fuscus group of the frog genus *Leptodactylus* (Amphibia, Leptodactylidae). *Natural History Museum of Los Angeles County Science Bulletin* 29: 1–85. **[3]**

Heyer WR. 1983. Variation and systematics of frogs of the genus *Cycloramphus* (Amphibia, Leptodactylidae). *Arquivos de Zoologia* 30: 235–339. **[3]**

Heyer WR, Maxon LR. 1983. Relationships, zoogeography, and speciation mechanisms of frogs of the genus *Cycloramphus* (Amphibia, Leptodactylidae). *Arquivos de Zoologia, Sao Paulo* 30: 341–373. **[3]**

Hibbitts TJ, Whiting MJ, Stuart-Fox DM. 2007. Shouting the odds: Vocalization signals status in a lizard. *Behavioral Ecology and Sociobiology* 61: 1169–1176. **[13]**

Hicks JW, Wang T. 2012, The functional significance of the reptilian heart: New insights into an old question. *In* Sedmera D, Wang T (eds.). *Ontogeny and Phylogeny of the Vertebrate Heart*, pp. 207–227. Springer, New York. **[1, 7]**

Higham TE, Anderson CV. 2014. Function and adaptation of chameleons. pp. 63–83. *In* Tolley KA, Herrel A (eds.). *The Biology of Chameleons*. University of California Press, Berkeley. **[11]**

Higham TE, Anderson, CV. 2014. Function and adaptation of chameleons. *In* Tolley KA, Herrel A (eds.). *The Biology of Chameleons*, pp. 63–83. University of California Press, Berkeley. **[10]**

Higham TE, Russell AP, Zani PA. 2013. Integrative biology of tail autotomy in lizards. *Comparative Biochemistry and Physiology* 86: 603–610. **[15]**

Hildebrand M. 1995. *Analysis of Vertebrate Structure*, Fourth Ed. John Wiley & Sons, New York. **[10]**

Hilje B, Aide TM. 2012. Recovery of amphibian species richness and composition in a chronosequence of secondary forests, northeastern Costa Rica. *Biological Conservation* 146: 170–176. **[16]**

Hill RV. 2005. Integration of morphological data sets for phylogenetic analysis of Amniota: The importance of integumentary characters and increased taxonomic sampling. *Systematic Biology* 54: 530–547. **[2]**

Hillebrand H. 2004. On the generality of the latitudinal diversity gradient. *American Naturalist* 163: 192–211. **[16]**

Hillis DM, Green DM. 1990. Evolutionary changes of heterogametic sex in the phylogenetic history of amphibians. *Journal of Evolutionary Biology* 3: 49–64. **[8]**

Hillis DM, Wilcox TP. 2005. Phylogeny of the New World true frogs (*Rana*). *Molecular Phylogenetics and Evolution* 34: 299–314. **[3]**

Hillman SS, Hedrick MS, Kohl ZF. 2014. Net cardiac shunts in anuran amphibians: physiology or physics? *Journal of Experimental Biology* 217: 2844–2847. **[7]**

Hillman SS, Withers PC, Drewes RC, Hillyard SD. 2009. *Ecological and Environmental Physiology of Amphibians.* Oxford University Press, Oxford. **[6,7]**

Himstedt W. 1991. Zur Biologie und Larvenentwicklung der thailändischen Blinwühle *Ichthyophis kohtaoensis* (Amphibia: Gymnophiona: Ichthyophiidae). *Veröffentlichungen Naturhistorisches Museum Schleusingen* 6: 16–24. **[8]**

Himstedt W. 2000. Reproductive biology in Gymnophiona. *In* Hofrichter R (ed.). *Amphibians: The World of Frogs, Toads, Salamanders and Newts*, pp. 154–155. Firefly Books, Buffalo, NY. **[3]**

Hipsley CA, Müller J. 2014. Relict endemism of extant rhineuridae (Amphisbaenia): Testing for phylogenetic niche conservatism in the dossil eecord. *The Anatomical Record* 297: 473–481. **[4]**

Hirasawa T, Nagashima H, Kuratani S. 2013. The endoskeletal origin of the turtle carapace. *Nature Communications* 4: 2107. **[4]**

Hirasawa T, Pascual-Anaya J, Kamezaki N, Taniguchi M, Mine K, Kuratani S. 2014. The evolutionary origin of the turtle shell and its dependence on the axial arrest of the embryonic rib cage. *Journal of Experimental Zoology B* 324: 194–207. **[4]**

Hirschmann W, Hödl W. 2006. Visual signaling in *Phrynobatrachus krefftii* boulenger, 1909 (Anura: Ranidae). *Herpetologica* 62: 18–27. **[3]**

Hödl W, Amézquita A. 2001. Visual signaling in anuran amphibians. *In* Ryan MJ (ed.). *Anuran Communication*, pp. 121–141. Smithsonian Institution Press, Washington DC. **[13]**

Hödl W. 1977. Call differences and calling site segregation in anuran species from Central Amazonian floating meadows. *Oecologia* 28: 351–363. **[16]**

Hof C, Araujo MB, Jetz W, Rahbek C. 2011. Additive threats from pathogens, climate, and land-use diversity for global amphibian diversity. *Nature* 480: 516–519. **[1]**

Hofman S, Spolsky C, Uzzell T, Cogălniceanu D, Babik W, Szymura JM. 2007. Phylogeography of the fire-bellied toads *Bombina*: Independent Pleistocene histories inferred from mitochondrial genomes. *Molecular Ecology 1*6: 2301–2316. **[3]**

Hofman S, Szymura JM. 2007. Limited mitochondrial DNA introgression in a *Bombina* hybrid zone. *Biological Journal of the Linnean Society* 91: 295–306. **[3]**

Höggren M, Nilson G, Andrén C, Orlov NL, Tuniyev BS. 1993. Vipers of the Caucasus: Natural history and systematic review. *Herpetological Natural History* 1: 11–19. **[4]**

Högland J, Alatalo RV. 1995. *Leks*. Princeton University Press, Princeton NJ. **[14]**

Hohl LSL, Loguercio MFC, Buendía RA, Almeida-Santos M, Viana LA, Barros-Filho JD, Rocha-Barbosa O 2014. Fossorial gait patterns and performance of a shovel-headed amphisbaenian. *Journal of Zoology* 294: 234–240. **[10]**

Holden D, Socha JJ, Cardwell ND, Vlachos PP. 2014. Aerodynamics of the flying snake *Chrysopelea paradise*: How a bluff body cross-sectional shape contributes to gliding performance. *Journal of Experimental Biology* 217: 382–394. **[10]**

Holderegger R, Di Giulio M. 2010. The genetic effects of roads: A review of empirical evidence. *Basic and Applied Ecology* 11: 522–531. **[12]**

Holenweg Peter A-K. 2001. Dispersal rates and distances in adult water frogs, *Rana lessonae*, *R. ridibunda*, and their hybridogenetic associate *R. esculenta*. *Herpetologica* 57: 449–460. **[12]**

Holenweg Peter A-K. Reyer H-U. Tietje GA. 2001. Homing behavior of *Rana lessonae*, *R. ridibunda*, and their hybridogenetic associate *R. esculenta* after experimental displacement. *Amphibia-Reptilia* 22: 475–480. **[12]**

Hollingsworth BD. 1998. The systematics of chuckwallas (*Sauromalus*) with a phylogenetic analysis of other iguanid lizards. *Herpetological Monographs* 12: 38–191. **[4]**

Holloway JD, Hall R. 1998. SE Asian geology and biogeography: An introduction. *In* Hall R, Holloway JD (eds.), *Biogeography and Geological Evolution of Southeast Asia*, pp 1–23. Backhuys Publishers, Leiden, The Netherlands. **[5]**

Holman JA. 1984. *Texasophis galbreathi*, new species, the earliest New World colubrid snake. *Journal of Vertebrate Paleontology* 3: 223–225. **[4]**

Holman JA. 1995. *Pleistocene Amphibians and Reptiles in North America*. Oxford University Press, New York. **[4]**

Holman JA. 2000. Fossil Snakes of North America: Origin, Evolution, Distribution, Paleoecology. Indiana University Press. Bloomington, IN. **[4]**

Holomuzki JR. 1995. Oviposition sites and fish-deterrent mechanisms of two stream anurans. *Copeia* 1995: 607–613. **[15]**

Holyoake A, Waldman B, Gemmell NJ. 2001. Determining the species status of one of the world's rarest frogs: A conservation dilemma. *Animal Conservation* 4: 29–35. **[3]**

Hoogmoed MS, Maciel AO, Coragem JT. 2011. Discovery of the largest lungless tetrapod, *Atretochoana eiselti* Taylor 1968 (Amphibia: Gymnophiona: Typhlonectidae) in its natural habitat in Brazilian Amazonia. *Boletim do Museu Paraense Emílio Goeldi Ciências Naturais* 6: 241–262. **[3]**

Hoskin CJ, Goosem MW. 2010. Road impacts on abundance, call traits, and body size of rainforest frogs in northeast Australia. *Ecology and Society* 15(3): 15 [online] www.ecologyandsociety.org/vol15/iss3/art15/. **[17]**

Hoso M, Asami T, Hori M. 2007. Right-handed snakes: convergent evolution of asymmetry for functional specialization. *Biology Letters* 3: 169–172. **[11]**

Hoso M, Kameda Y, Wu S-P, Asami T, Kato M, Hori M. 2010. A speciation gene for left-right reversal in snails results in anti-predator adaptation. *Nature Communications* 1: 133. doi: 10.1038/ncomms1133 **[11]**

Houck LD. 1977. Life history patterns and reproductive biology of Neotropical salamanders. *In* Taylor DH, Guttman SI (eds.). *The Reproductive Biology of Amphibians*, pp. 43–72. Plenum Publishing Company, New York. **[8]**

Houck LD, Arnold SJ. 2003. Courtship and mating behavior. *In* Sever DM (ed.). *Reproductive Biology and Phylogeny of Urodeles*, pp. 383–424. Science Publishers, Enfield NH. **[8, 13, 14]**

Houck LD, Sever DM. 1994. Role of the skin in reproduction and behavior. *In* Heatwole H, Barthalmus GT (eds). *Amphibian Biology, Vol. 1: the Integument*, pp. 351–381. Surrey Beatty and Sons, Chipping Norton, New South Wales, Australia. **[13]**

Houck LD, Woodley SK. 1995. Field studies of steroid hormones and male reproductive behavior in amphibians. *In* Heatwole H, Sullivan BK (eds.). *Amphibian Biology*, pp. 677–703. Surrey Beatty & Sons, New South Wales, Australia. **[8]**

Houghton JDR, Doyle TK, Wilson MW, Davenport J, Hays GC. 2006. Jellyfish aggregations and leatherback turtle foraging patterns in a temperate coastal environment. *Ecology* 87: 1967–1972. **[12]**

Hourdry J, L'Hermite A, Ferrand R. 1996. Changes in the digestive tract and feeding behavior of anuran amphibians during metamorphosis. *Physiological Zoology* 69: 219–251. **[8]**

How TL, Bull CM. 2002. Reunion vigour: An experimental test of the mate guarding hypothesis in the monogamous sleepy lizard (*Tiliqua rugosa*). *Journal of Zoology* 257: 333–338. **[14]**

Howard RD, Kluge AG. 1985. Proximate mechanisms of sexual selection in wood frogs. *Evolution* 39: 260–277. **[8]**

Howard RD. 1978a. The evolution of mating strategies in bullfrogs, *Rana catesbeiana*. *Evolution* 32: 850–871. **[14]**

Howard RD. 1978b. The influence of male-defended oviposition sites on early embryo mortality in bullfrogs. *Ecology* 59: 789–798. **[14]**

Howard RD. 1980. Mating behaviour and mating success in wood frogs, *Rana sylvatica*. *Animal Behaviour* 28: 705–716. **[14]**

Howard RD. 1981. Sexual dimorphism in bullfrogs. *Ecology* 62: 303–310. **[14]**

Howard RD. 1988. Sexual selection on male body size and mating behaviour in American toads, *Bufo americanus*. *Animal Behaviour* 36: 1796–1808. **[14]**

Hrbek T, Vasconcelos WR, Rebelo G, Farias IP. 2008. Phylogenetic relationships of South American alligatorids and the caiman of Madeira River. *Journal of Experimental Zoology A* 309: 588–599. **[4]**

Hsiang AY, Field DJ, Webster TH, Dehlke ADB, Davis MB, Racicot RA, Gauthier JA. 2015. The origin of snakes: Revealing the ecology, behavior, and evolutionary history of early snakes using genomics, phenomics, and the fossil record. *BMC Evolutionary Biology* 15: 87 doi: 10.1186/s12862-015-0358–5. **[11]**

Hu J, Xie F, Li C, Jiang J. 2011. Elevational patterns of species richness, range and body size for spiny frogs. *PLoS One* 6(5): e19817. doi: 10.1371/journal.pone.0019817. **[16]**

Hua X, Fu C, Li J, Nieto Montes de Oca A, Wiens JJ. 2009. A revised phylogeny of Holarctic treefrogs (genus *Hyla*) based on nuclear and mitochondrial DNA sequences. *Herpetologica* 65: 246–259. **[3]**

Huang H, Wang H, Li L, Wu Z, Chen J. 2014. Genetic diversity and population demography of the Chinese crocodile lizard (*Shinisaurus crocodilurus*) in China. *PloS One* 9: e91570. **[4]**

Huang S, Liu SY, Guo P, Zhang YP, Zhao EM. 2009. What are the closest relatives of the hot-spring snakes (Colubridae, *Thermophis*), the relict species endemic to the Tibetan Plateau? *Molecular Phylogenetics and Evolution* 51: 438–446. **[4]**

Huang W-S, Greene HW, Chang T-J, Shine, R. 2011. Territorial behavior in Taiwanese kukrisnakes (*Oligodon formosanus*). *Proceedings of the National Academy of Sciences USA* 108: 7455–7459. **[12]**

Huang WS, Lin SM, Dubey S, Pike DA. 2013. Predation drives interpopulation differences in parental care expression. *Journal of Animal Ecology* 82: 429–437. **[9]**

Hudson CM, Fu J. 2013. Male-biased sexual size dimorphism, resource defense polygyny, and multiple paternity in the Emei moustache toad (*Leptobrachium boringii*). *PLoS One* 8: e67502. **[3]**

Huey RB. 1978. Latitudinal pattern of between-altitude faunal similarity: Mountains might be "higher" in the tropics. *American Naturalist* 112: 225–229. **[16]**

Huey RB, Deutsch CA, Tewksbury JJ, Vitt LJ, Hertz PE, Álvarez Pérez HJ, Garland T. 2009. Why tropical forest lizards are vulnerable to climate warming. *Proceedings of the Royal Society London B* 276: 1939–1948. **[9]**

Huey RB, Kearney MR, Krockenberger A, Holtu, JAM, Jess M, Williams SE. 2012. Predicting organismal vulnerability to climate warming: Role of behaviour, physiology and adaptation. *Philosophical Transactions of the Royal Society* 367: 1665–1679. **[1]**

Huey RB, Pianka ER, Egan ME, Coons LW. 1974. Ecological shifts in sympatry: Kalahari fossorial lizards (*Typhlosaurus*). *Ecology* 55: 304–316. **[15]**

Huey RB, Pianka ER. 1977. Natural selection for juvenile lizards mimicking noxious beetles. *Science* 195: 201–203. **[4]**

Huey RB, Pianka ER. 1981. Ecological consequences of foraging mode. *Ecology* 62: 991–999. **[15]**

Hugall AF, Foster R, Hutchinson M, Lee MSY. 2008. Phylogeny of Australasian agamid lizards based on nuclear and mitochondrial genes: implications for morphological evolution and biogeography. *Biological Journal of the Linnean Society* 93: 343–358. **[4, 5]**

Hughes GR, Luschi P, Mencacci R, Papi F. 1998. The 7000-km oceanic journey of a leatherback turtle tracked by satellite. *Journal of Experimental Marine Biology and Ecology* 229: 209–217. **[12]**

Humphries WJ, Sisson MA. 2012. Long distance migrations, landscape use, and vulnerability to prescribed fire of the gopher frog (*Lithobates capito*). *Journal of Herpetology* 46: 665–670. **[12]**

Hunter ML Jr. 2002. *Fundamentals of Conservation Biology*, Second Ed. Blackwell Science, Malden, MA. **[17]**

Hurlbert AH, Liang Z. 2012. Spatiotemporal variation in avian migration phenology: Citizen science reveals effects of climate change. *PLoS One* 7(2): e31662. doi: 10.1371/journal.pone.0031662. **[17]**

Hurme K. 2015. Reproductive and spatial ecology of *Leptodactylus insularum* (Anura, Leptodactylidae) in Panama. *Journal of Herpetology* 49: 36–45. **[8]**

Husak JF, Keith AR, Wittry BN. 2015. Making Olympic lizards: The effects of specialised exercise training on performance. *Journal of Experimental Biology* 218: 899–906. **[7]**

Husemann M, Schmitt T, Zachos FE, Ulrich W, Habel JC. 2014. Palaearctic biogeography revisited: evidence for the existence of a North African refugium for Western Palaearctic biota. *Journal of Biogeography* 41: 81–94. **[5]**

Hutchinson DA, Savitzky AH, Mori A, Meinwald J, Schroeder FC. 2008. *Chemoecology* 18: 181–190. **[15]**

Hutchinson DA, Savitzky AH, Mori A, Burghardt GM, Meinwald J, Schroeder FC. 2012. Chemical investigations of defensive steroid sequestration by the Asian snake *Rhabdophis tigrinus*. *Chemoecology* 22: 199–206. **[4]**

Huxley TH. 1868. On the classification and distribution of the Alectoromorphae and Heteromorphae. *Proceedings of the Zoological Society London* 1868: 294–319. **[5]**

Huyghe K, Vanhooydonck B, Scheers H, Molina-Borja M, Van Damme R. 2005. Morphology, performance and fighting capacity in male lizards, *Gallotia galloti*. *Functional Ecology* 19: 800–807. **[13]**

i de Lanuza GP, Font E, Carazo P. 2013. Color-assortative mating in a color-polymorphic lacertid lizard. *Behavioral Ecology* 24: 273–279. **[4]**

Ibáñez A, López P, Martín J. 2012. Discrimination of conspecifics' chemicals may allow Spanish terrapins to find better partners and avoid competitors. *Animal Behaviour* 83: 1107–1113. **[13]**

Ibáñez A, Marzal A, López P, Martín J. 2013. Sexually dichromatic coloration reflects size and immunocompetence in female Spanish terrapins, *Mauremys leprosa*. *Naturwissenschaften* 100: 1137–1147. **[13]**

Imansyah MJ, Jessop TS, Ciofi C, Akbar Z. 2008. Ontogenetic differences in the spatial ecology of immature Komodo dragons. *Journal of Zoology* 274: 107–115. **[12]**

Ineich I, Bonnet X, Shine R, Shine T, Brischoux F, Lebreton M, Chirio L. 2006. What, if anything, is a 'typical'viper? Biological attributes of basal viperid snakes (genus *Causus* Wagler, 1830). *Biological Journal of the Linnean Society* 89: 575–588. **[4, 9]**

Ineich I. 2006. Bocourt's terrific skink of New Caledonia is not extinct! *Oryx* 40: 136 **[17]**

Inger RF. 1966. Systematics and zoogeography of the Amphibia of Borneo. *Fieldiana, Zoology* 52: 1–402. **[3]**

Inger RF, Leviton AE 1966. The taxonomic status of Bornean snakes of the genus *Pseudorabdion* Jan and of the nominal genus *Idiopholis* Mocquard. *Proceedings of the California Academy of Sciences* 34: 307–314. **[4]**

Inger RF, Marx H. (curators) 1965. The systematics and evolution of the Oriental colubrid snakes of the genus *Calamaria*. *Fieldiana: Zoology* 49: 1–304. **[4]**

Inger RF, Stuart BL. 2010. Systematics of *Limnonectes* (Taylorana) Dubois. *Current Herpetology* 29: 51–68. **[3]**

Irisarri I, Vences M, San Mauro D, Glaw F, Zardoya R. 2011. Reversal to air-driven sound production revealed by a molecular phylogeny of tongueless frogs, family Pipidae. *BMC Evolutionary Biology* 11: 114. **[3, 13]**

Irschick DJ, Austin CC, Petren K, Fisher RN, Losos JB, Ellers O. 1996. A comparative analysis of clinging ability among pad-bearing lizards. *Biological Journal of the Linnean Society* 59: 21–35. **[10]**

Irschick DJ, Jayne BC. 1999. A field study of the effect of incline on the escape locomotion of a bipedal lizard, *Callisaurus draconoides*. *Physiological and Biochemical Zoology* 72: 44–56. **[10, 15]**

Irschick DJ, Losos JB. 1998. A comparative analysis of the ecological significance of maximal locomotor performance in Caribbean *Anolis* lizards. *Evolution* 52: 219–226. **[5]**

Irschick DJ, Losos JB. 1999. Do lizards avoid habitats in which performance is submaximal? The relationship between sprinting capabilities and structural habitat use in Caribbean anoles. *American Naturalist* 154: 295–305. **[5]**

Isaksson C, Sheldon BC, Uller T. 2011. The challenges of integrating oxidative stress into life-history biology. *BioScience* 61: 194–202. **[9]**

Iskandar DT, Evans BJ, McGuire JA. 2014. A novel reproductive mode in frogs: A new species of fanged frog with internal fertilization and birth of tadpoles. *PLoS One* 9(12): e115884. doi: 10.1371/journal.pone.0115884 **[8]**

IUCN Red List of Threatened Species. 2014.2 version. www.iucnredlist.org **[17]**

Iungman J, Pina C, Siroski P. 2008. Embryological development of *Caiman latirostris* (Crocodylia: Alligatoridae). *Genesis* 46: 401–417. **[9]**

Ivachnenko MF. 1978. Urodelans from the Triassic and Jurassic of Soviet Central Asia. *Paleontologie Zhurnal* 1978: 84–89. **[3]**

Iverson JB, Ewert MA. 1991. Physical characteristics of reptilian eggs and a comparison with avian eggs. *In* Deeming DC, Ferguson MWJ (eds.). *Egg incubation: Its Effects on Embryonic Development in Birds and Reptiles*, pp. 87–100. Cambridge University Press, Cambridge. **[9]**

Iverson JB, Le M, Ingram, C. 2013. Molecular phylogenetics of the mud and musk turtle family Kinosternidae. *Molecular Phylogenetics and Evolution* 69: 929–939. **[4, 5]**

Iverson JB. 1978. The impact of feral cats and dogs on populations of the West Indian rock iguana, *Cyclura carinata*. *Biological Conservation* 14: 63–73. **[17]**

Iverson JB. 1980. Colic modifications in iguanine lizards. *Journal of Morphology* 163: 79–93. **[4]**

Iverson JB. 1982. Adaptations to herbivory in iguanine lizards. *In* Burghardt GM, Rand AS (eds.). *Iguanas of the World: Their Behavior, Ecology, and Conservation*, pp. 60–76. Noyes Publications, Park Ridge, NJ. **[15]**

Iverson JB. 1986. Notes on the natural history of the Caicos Islands dwarf boa, *Tropidophis greenwayi*. *Caribbean Journal of Science* 22: 191–198. **[4]**

Iverson JB. 1991. Phylogenetic hypotheses for the evolution of modern kinosternine turtles. *Herpetological Monographs* 5: 1–27. **[4]**

Ivits E, Cherlet M, Tóth G, Sommer S, Mehl W, Vogt J, Micale F. 2012. Combining satellite derived phenology with climate data for climate change assessment. *Global and Planetary Change* 88–89: 85–97. **[17]**

Jackman TR, Larson A, De Queiroz K, Losos JB. 1999. Phylogenetic relationships and tempo of early diversification in *Anolis* lizards. *Systematic Biology* 48: 254–285. **[4]**

Jackson CG, Davis JD. 1972a. A quantitative study of the courtship display of the red-eared turtle, *Chrysemys scripta elegans* (Wied). *Herpetologica* 28: 58–64. **[13]**

Jackson CG, Davis JD. 1972b. Courtship display behavior in *Chrysemys concinna suwanniensis*. *Copeia* 1972: 385–387. **[13]**

Jackson K. 2002. How tubular venom-conducting fangs are formed. *Journal of Morphology* 252: 291–297. **[4, 11]**

Jackson K, Underwood G, Arnold EN, Savitzky AH. 1999. Hinged teeth in the enigmatic colubrid, *Iguanognathus werneri*. *Copeia* 1999: 815–818. **[11]**

Jacobs JS, Greenhaw JJ, Goy JM, Plummer MV. 1985. Pectoral glands of *Scaphiopus* and Megophrys. *Journal of Herpetology* 19: 419–420. **[3]**

Jacobson ER. 1994. Causes of mortality and disease in tortoises: A review. *Journal of Zoo and Wildlife Medicine* 25: 2–17. **[17]**

Jadin RC, Burbrink FT, Rivas GA, Vitt LJ, Barrio-Amorós CL, Guralnick RP. 2013. Finding arboreal snakes in an evolutionary tree: Phylogenetic placement and systematic revision of the Neotropical birdsnakes. *Journal of Zoological Systematics and Evolutionary Research* 52: 257–264. **[4]**

Jaeger RG. 1978. Plant climbing by salamanders: Periodic availability of plant-dwelling prey. *Copeia* 1978: 686–691. **[6]**

Jaeger RG. 1990. Territorial salamanders evaluate size and chitinous content of arthropod prey. *In* Hughes RN (ed.). *Behavioral Mechanisms of Food Selection*, pp. 111–126. NATO ASI Series, Subseries G: Ecological Sciences. Springer-Verlag, Heidelberg. **[15]**

Jaeger RG, Forester DC. 1993. Social behavior of plethodontid salamanders. *Herpetologica* 49: 163–175. **[14]**

Jaeger RG, Peterson MG. 2002. Familiarity affects agonistic interactions between female red-backed salamanders. *Copeia* 2002: 865–869. **[13]**

Jaeger RG, Schwarz. 1991. Gradational threat postures by the red-backed salamander. *Journal of Herpetology* 25: 112–114. **[13]**

Jaffe AL, Slater GJ, Alfaro ME 2011. The evolution of island gigantism and body size variation in tortoises and turtles. *Biology Letters* 7: 558–561. **[5]**

James C, Shine R. 1985. The seasonal timing of reproduction: A tropical-temperate comparison in Australian lizards. Oecologia 67: 64–474. **[9]**

James MC, Myers RA, Ottensmeyer CA. 2005. Behaviour of leatherback sea turtles, *Dermochelys coriacea*, during the migratory cycle. *Proceedings of the Royal Society London B* 272: 1547–1555. **[12]**

James SM, Semlitsch RD. 2011 Terrestrial performance of juvenile frogs in two habitat types after chronic larval exposure to a contaminant. *Journal of Herpetology* 45: 185–194. **[1]**

Jamieson BGM (ed.). 2003. *Reproductive Biology and Phylogeny of the Anura*. Science Publishers, Enfield, NH. **[1]**

Janin A, Léna J-P, Joly P. 2012. Habitat fragmentation affects movement behavior of migrating juvenile common toads. *Behavioral Ecology and Sociobiology* 66: 1351–1356. **[12]**

Janzen DH. 1967. Why mountain passes are higher in the tropics. *American Naturalist* 101: 233–246. **[16]**

Janzen FJ, Krenz JG. 2004. Phylogenetics: Which was first, TSD or GSD? Valenzuela N, Lance BA (eds.). *Temperature-Dependent Sex Determination in Vertebrates*, pp. 121–130. Smithsonian Institution Press, Washington, DC. **[9]**

Janzen FJ, Phillips PC. 2006. Exploring the evolution of environmental sex determination, especially in reptiles. *Journal of Evolutionary Biology* 9: 1775–1784. **[9]**

Jaquiéry J, Broquet T, Aguilar C, Evanno G, Perrin N. 2010. Good genes drive female choice for mating partners in the lek-breeding European treefrog. *Evolution* 64: 108–115. **[14]**

Jayes AS, Alexander R McN. 1980. The gaits of chelonians: Walking techniques for very low speeds. *Journal of Zoology* 191: 353–378. **[10]**

Jayne BC. 1985. Swimming in constricting (*Elaphe g. guttata*) and nonconstricting (*Nerodia fasciata pictiventris*) colubrid snakes. *Copeia* 1985: 195–208. **[10]**

Jayne BC. 1988a. Muscular mechanisms of snake locomotion: An electromyographic study of lateral undulation of the Florida banded water snake (*Nerodia fasciata*) and the yellow rat snake (*Elaphe obsoleta*). *Journal of Morphology* 197: 159–181. **[10]**

Jayne BC. 1988b. Muscular mechanisms of snake locomotion: An electromyographic study of the sidewinding and concertina modes of *Crotalus cerastes*, *Nerodia fasciata*, and *Elaphe obsoleta*. *Journal of Experimental Biology* 140: 1–33. **[10]**

Jayne BC, Riley MA. 2007. Scaling of the axial morphology and gap-bridging ability of the brown tree snake, *Boiga irregularis*. *Journal of Experimental Biology* 210: 1148–1160. **[10]**

Jayne BC, Voris HK, Heang KB. 1988. Diet, feeding behavior, growth and numbers of a population of *Cerberus rynchops* (Serpentes: Homalopsinae) in Malaysia. *Fieldiana Zoology* 50: 1–15. **[4]**

Jayne BC, Voris HK, Ng PKL. 2002. Snake circumvents constraints on prey size. *Nature* 418: 143. **[4, 11]**

Jenkins FA Jr, Goslow GE. 1983. The functional anatomy of the shoulder of the savannah monitor lizard (*Varanus exanthematicus*). *Journal of Morphology* 175: 195–216. **[10]**

Jenkins Jr FA, Walsh DM, Carroll RL. 2007. Anatomy of *Eocaecilia micropodia*, a limbed caecilian of the Early Jurassic. *Bulletin of the Museum of Comparative Zoology* 158: 285–365. **[3]**

Jenkins Jr FA, Walsh DM. 1993. An early Jurassic caecilian with limbs. *Nature* 365: 246–249. **[2, 3]**

Jennings WB, Pianka ER, Donnellan S. 2003. Systematics of the lizard family Pygopodidae with implications for the diversification of Australian temperate biotas. *Systematic Biology* 52: 757–780. **[4]**

Jennions MD, Bishop PJ, Backwell PRY, Passmore NI. 1995. Call-rate variability and female choice in the African frog *Hyperolius marmoratus*. *Behaviour* 132: 709–720. **[14]**

Jennions MD, Passmore NI. 1993. Sperm competition in frogs: Testis size and a ‘sterile male’ experiment on *Chiromantis xerampelina* (Rhacophoridae). *Biological Journal of the Linnean Society* 50: 211–220. **[14]**

Jensen B, Larsen CK, Nielsen JM, Simonsen LS, Wang T. 2011. Change in cardiac function, but not form, in postprandial pythons. *Comparative Biochemistry and Physiology, Part A* 160: 35–42. **[11]**

Jenssen TA. 1970. Female response to filmed displays of *Anolis nebulosus* (Sauria: Iguanidae). *Animal Behaviour* 18: 640–647. **[13]**

Jenssen TA. 1977. Evolution of anoline lizard display behavior. *American Zoologist* 17: 203–215. **[13]**

Jenssen TA. 2002. Spatial awareness by the lizard *Anolis cristatellus*: Why should a non-ranging species demonstrate homing behavior? *Herpetologica* 58: 364–371. **[12]**

Jenssen TA, Lovern MB, Congdon JD. 2001. Field-testing the protandry-based mating system for the lizard, *Anolis carolinensis*: Does the model organism have the right model? *Behavioral Ecology and Sociobiology* 50: 162–172. **[9]**

Jenssen TA, Marcellini DL, Buhlmann KA, Goforth PH. 1989. Differential infanticide by adult curly-tailed lizards, *Leiocephalus schreihersi*. *Animal Behaviour* 38: 1054–1061. **[15]**

Jessop TS, FitzSimmons NN, Limpus CJ, Whittier JM. 1999. Interactions between behavior and plasma steroids within the scramble competition mating system of the promiscuous green turtle, *Chelonia mydas*. *Hormones and Behavior* 36: 86–97. **[14]**

Jessop TS, Hamann M. 2004. Hormonal and metabolic responses to nesting activities in the green turtle, *Chelonia mydas. Journal of Experimental Marine Biology and Ecology 308: 253–267. **[7]***

Ji X, Wang JW. 2005. Geographic variation in reproductive traits and trade-offs between size and number of eggs of the Chinese cobra (*Naja atra*). *Biological Journal of the Linnean Society* 85: 27–40. **[9]**

Jiang J, Dubois A, Ohler A, Tillier A, Chen X, Xie F, Stöck M. 2005. Phylogenetic relationships of the tribe Paini (Amphibia, Anura, Ranidae) based on partial sequences of mitochondrial 12S and 16S rRNA genes. *Zoological Science* 22: 353–362. **[3]**

Jockusch EL, Mahoney MJ. 1997. Communal oviposition and lack of parental care in *Batrachoseps nigriventris* (Caudata: Plethodontidae) with a discussion of the evolution of breeding behavior in plethodontid salamanders. *Copeia* 1997: 697–705. **[3]**

Jockusch EL, Wake DB. 2002. Falling apart and merging: Diversification of slender salamanders (Plethodontidae: *Batrachoseps*) in the American West. *Biological Journal of the Linnean Society 7*6: 361–391. **[3]**

Joglar RL, Burrowes PA. 1996. Declining amphibian populations in Puerto Rico. *In* Powell R, Henderson RW (eds.). *Contributions to West Indian Herpetology: A Tribute to Albert Schwartz*, pp. 371–380. Contributions to Herpetology Vol. 12. Society for the Study of Amphibians and Reptiles. Ithaca, NY. **[17]**

Johnson MA, Caton JL, Cohen RE, Vanecar JR, Wade J. 2010. The burden of motherhood: The effect of reproductive load on female lizard locomotor, foraging, and social behavior. *Ethology* 116: 1217–1225. **[15]**

Johnson MA, Leal M, Rodríguez Schettino L, Lara AC, Revell LJ, Losos JB. 2008. A phylogenetic perspective on foraging mode evolution and habitat use in West Indian *Anolis* lizards. *Animal Behaviour* 75: 555–563. **[5]**

Johnson MA, Leal M, Schettino LR, Lara AC, Revell LJ, Losos JB. 2008. A phylogenetic perspective on foraging mode evolution and habitat use in West Indian *Anolis* lizards. *Animal Behaviour* 75: 555–563. **[15]**

Johnson MA, Revell LJ, Losos JB. 2010. Behavioral convergence and adaptive radiation: Effects of habitat use on territorial behavior in *Anolis* lizards. *Evolution* 64: 1151–1159. **[1]**

Johnson PTJ, Lunde KB, Ritchie EG, Launer AE. 1999. The effect of trematode infection on amphibian limb development and survivorship. *Science* 284: 802–804. **[17]**

Johnson PTJ, Rohr JR, Hoverman JT, Kellermanns E, Bowerman J, Lunde KB. 2012. Living fast and dying of infection: Host life history drives interspecific variation in infection and disease risk. *Ecology Letters* 15: 235–242. **[17]**

Johnson PTJ, Sutherland DR, Kinsella JM, Lunde KB. 2004. Review of the trematode genus *Ribeiroia* (Psilostomatidae): Ecology, life history and pathogenesis with special emphasis on the amphibian malformation problem. *Advances in Parasitology* 57: 191–253. **[15]**

Johnson SA, Bjorndal KA, Bolten AB. 1996. Effects of organized turtle watches on loggerhead (*Caretta caretta*) nesting behavior and hatchling production in Florida. *Conservation Biology* 10: 570–577. **[17]**

Johnson VM, Guyer C, Hermann SM, Eubanks J, Michener WK. 2009. Patterns of dispersion and burrow use support scramble competition polygyny in *Gopherus polyphemus*. *Herpetologica* 65: 214–218. **[14]**

Joly J. 1968. Données ecologiques sur las salamandre tachetée *Salamandra salamandra* (L.). *Annales des Sciences Naturelles, Zoologie Series 12* 10: 301–366. **[12]**

Jones AG, Adams EM, Arnold SJ. 2002a. Topping off: A mechanism of first-male sperm precedence in a vertebrate. *Proceedings of the National Academy of Sciences USA* 99: 2078–2081. **[14]**

Jones AG, Arguello JR, Arnold SJ. 2002b. Validation of Bateman's principles: A genetic study of sexual selection and mating patterns in the rough-skinned newt. *Proceedings of the Royal Society London B* 269: 2533–2539. **[14]**

Jones ME, Anderson CL, Hipsley CA, Müller J, Evans SE, Schoch RR. 2013. Integration of molecules and new fossils supports a Triassic origin for Lepidosauria (lizards, snakes, and tuatara). *BMC Evolutionary Biology* 13: 208. **[2, 4, 5]**

Jones ME, Tennyson AJ, Worthy JP, Evans SE, Worthy TH. 2009. A sphenodontine (Rhynchocephalia) from the Miocene of New Zealand and palaeobiogeography of the tuatara (*Sphenodon*). *Proceedings of the Royal Society London B* 276: 1385–1390. **[4]**

Jones MEH, O'Higgins P, Fagan MJ, Evans SE, Curtis N. 2012. Shearing mechanics and the influence of a flexible symphysis during oral food processing in *Sphenodon* (Lepidosauria: Rhynchocephalia). *The Anatomical Record* 295: 1075–1091. **[11]**

Jonniaux P, Kumazawa Y. 2008. Molecular phylogenetic and dating analyses using mitochondrial DNA sequences of eyelid geckos (Squamata: Eublepharidae). *Gene* 407: 105–115. **[4]**

Jorge da Silva Jr. N, Aird SD. 2001. Prey specificity, comparative lethality and compositional differences of coral snake venoms. *Comparative Biochemistry and Physiology Part C* 128: 425–456. **[11]**

Jorgensen ME, Reilly SM. 2013. Phylogenetic patterns of skeletal morphometrics and pelvic traits in relation to locomotor mode in frogs. *Journal of Evolutionary Biology* 26: 929–943. **[10]**

Jouzel J. and 31 others. 2007. Orbital and millennial Antarctic climate variability over the past 800,000 years. *Science* 317: 793–796. **[5]**

Joyce WG. 2007. Phylogenetic relationships of Mesozoic turtles. *Bulletin of the Peabody Museum of Natural History* 48: 3–102. **[4]**

Joyce WG, Schoch RR, Lyson TR. 2013. The girdles of the oldest fossil turtle, *Proterochersis robusta*, and the age of the turtle crown. *BMC Evolutionary Biology* 13: 266. **[4, 5]**

Joyce WG, Sterli J. 2012. Congruence, non- homology, and the phylogeny of basal turtles. *Acta Zoologica* 93: 149–159. **[4]**

Juncá FA, Altig R, Gascon C. 1994. Breeding biology of *Colostethus stepheni*, a dendrobatid frog with a nontransported nidicolous tadpole. *Copeia* 1994: 747–750. **[8]**

Jungfer K-H. 1996. Reproduction and parental care of the coronated treefrog, *Anotheca spinosa* (Steindachner, 1864) (Anura: Hylidae). *Herpetologica* 52: 25–32. **[8]**

Jungfer K-H, Boehme W. 1991. The back-pack strategy of parental care in frogs, with notes on froglet-carrying in *Stefania evansi* (Boulenger, 1904) (Anura: Hylidae: Hemiphractinae). *Revue Française d'Aquariologie* 18: 91–96. **[8]**

Kaffenberger N, Wollenberg KC, Köhler J, Glaw F, Vieites DR, Vences M. 2012. Molecular phylogeny and biogeography of Malagasy frogs of the genus *Gephyromantis*. *Molecular Phylogenetics and Evolution* 62: 555–560. **[3]**

Kaiser BA, Burnett KM. 2006. Economic impacts of *E. coqui* frogs in Hawaii. *Interdisciplinary Environmental Review* 8: 1–11. **[5]**

Kaiser K. 2011. Anthropogenic noise: Yet another fight for frogs? *Froglog* 96 (May): 20–21. **[17]**

Kaiser K, Scofield DG, Alloush M, Jones RM, Marczak S, Martineau K, Oliva M, Narins, PM. 2011. When sounds collide: The effect of anthropogenic noise on a breeding assemblage of frogs in Belize, Central America. *Behaviour* 148: 215–232. **[17]**

Kam Y-C, Chen Y-H, Chuang Z-S, Huang T-S. 1997. Growth and development of oophagous tadpoles in relation to brood care of an arboreal breeder, *Chirixalus effingeri* (Rhacophoridae). *Zoological Studies* 36: 186–193. **[8]**

Kam Y-C, Lin C-F, Lin Y-S, Tsal Y-F. 1998. Density effects of oophagous tadpoles of *Chirixalus eiffingeri* (Anura: Rhacophoridae): Importance of maternal brood care. *Herpetologica* 54: 425–433. **[3]**

Kamei RG, Gower DJ, Wilkinson M, Biju SD. 2013. Systematics of the caecilian family Chikilidae (Amphibia: Gymnophiona) with the description of three new species of *Chikila* from northeast India. *Zootaxa* 3666: 401–435. **[3]**

Kamei RG, San Mauro D, Gower DJ, Van Bocxlaer I, Sherratt E, Thomas A, Biju SD. 2012. Discovery of a new family of amphibians from northeast India with ancient links to Africa. *Proceedings of the Royal Society London B* 279: 2396–2401. **[3]**

Kaminsky SK, Linsenmair KE, Grafe TU. 1999. Reproductive timing, nest construction and tadpole guidance in the African pig-nosed frog, *Hemisus marmoratus*. *Journal of Herpetology* 33: 119–123. **[3, 8]**

Kaplan RH. 1980. The implications of ovum size variability for offspring fitness and clutch size within several populations of salamanders (*Ambystoma*). *Evolution* 34: 51–64. **[8]**

Kaplan RH. 1985. Maternal influences on offspring development in the California newt, *Taricha torosa*. *Copeia* 1985: 1028–1035. ***[8]***

Kaplan, RH, King EG. 1997. Egg size is a developmentally plastic trait: Evidence from long term studies in the frog *Bombina orientalis*. *Herpetologica* 53: 149–165. **[8]**

Kardong KV. 2012. Replies to Fry et al. (*Toxicon* 2012, 60/4, 434–448). Part B. Properties and biological roles of squamate oral products: The "venomous lifestyle" and preadaptation. *Toxicon* 60: 964–966. **[4]**

Kardong KV, Bels V. 1998. Rattlesnake strike behavior: Kinematics. *Journal of Experimental Biology* 201: 837–850. **[11]**

Kardong KV, Smith TL. 2002. Proximate factors involved in rattlesnake predatory behavior: A review. *In* Schuett GW, Höggren M, Douglas ME, Greene HW (eds.). *Biology of the Vipers*, pp. 254–266. Eagle Mountain Publishing, Eagle Mountain, UT. **[15]**

Kareiva P, Marvier M. 2012. What is conservation science? *BioScience* 62: 962–969. **[17]**

Karns DR, Lukoschek V, Osterhage J, Murphy JC, Voris HK. 2010. Phylogeny and biogeography of the *Enhydris* clade (Serpentes: Homalopsidae). *Zootaxa* 2452: 18–30. **[4]**

Karns DR, Voris HK, Chan-ard T, Goodwin JC, Murphy JC. 2000. The spatial ecology of the rainbow water snake, *Enhydris enhydris* (Homalopsinae) in southern Thailand. *Herpetological Natural History* 7: 97–115. **[12]**

Karraker NE, Gibbs, JP. 2011. Road de-icing salt irreversibly disrupts osmoregulation of salamander egg clutches. *Environmental Pollution* 159: 833–835. **[1]**

Karsten KB, Andriamandimbiarisoa LN, Fox SF, Raxworthy CJ. 2008. A unique life history among tetrapods: An annual chameleon living mostly as an egg. *Proceedings of the National Academy of Sciences USA* 105: 8980–8984. **[9]**

Kauer JS. 2002. On the sense of smell in the salamander. *Nature* 417: 336–342. **[3]**

Kaufmann JH. 1992. The social behavior of wood turtles, *Clemmys insculpta*, in central Pennsylvania. *Herpetological Monographs* 6: 1–25. **[14]**

Kawamichi T, Ueda H. 1998. Spawning at nest sites of extra-large males in the giant salamander *Andrias japonicus*. *Journal of Herpetology* 32: 133–136. **[8]**

Kawamichi T, Ueda H. 1998. Spawning at nests of extra-large males in the giant salamander *Andrias japonicus*. *Journal of Herpetology* 32: 133–136. **[3]**

Kearney M. 2002. Appendicular skeleton in amphisbaenians (Reptilia: Squamata). *Copeia* 2002: 719–738. **[4, 9]**

Kearney M. 2003. Systematics of the Amphisbaenia (Lepidosauria: Squamata) based on morphological evidence from recent and fossil forms. *Herpetological Monographs* 17: 1–74. **[4]**

Kearney M, Fujita MK, Ridenour J. 2009. Lost sex in reptiles: Constraints and correlations. *In* Schön I, Martens K, van Dijk P (eds.). *Lost Sex: The Evolutionary Biology of Parthenogenesis*, pp. 447–472. Springer Scientific, Dordrecht, The Netherlands. **[9]**

Kearney M, Moussalli A, Strasburg J, Lindenmayer D, Moritz C. 2003. Geographic parthenogenesis in the Australian arid zone: I. A climatic analysis of the *Heteronotia binoei* complex (Gekkonidae). *Evolutionary Ecology Research* 5: 953–976. **[9]**

Kearney M, Stuart BL. 2004. Repeated evolution of limblessness and digging heads in worm lizards revealed by DNA from old bones. *Proceedings of the Royal Society London B* 271: 1677–1683. **[4]**

Kelehear C, Brown GP, Shine R. 2012. Rapid evolution of parasite life history traits on an expanding range-edge. *Ecology Letters* 15: 329–337. **[15]**

Kelleher KE, Tester JR. 1969. Homing and survival in the Manitoba toad, *Bufo hemiophrys*, in Minnesota. *Ecology* 50: 1040–1048. **[12]**

Kelly CM, Barker NP, Villet MH, Broadley DG, Branch WR. 2008. The snake family Psammophiidae (Reptilia: Serpentes): Phylogenetics and species delimitation in the African sand snakes (*Psammophis* Boie, 1825) and allied genera. *Molecular Phylogenetics and Evolution* 47: 1045–1060. **[4]**

Kelly CM, Branch WR, Broadley DG, Barker NP, Villet MH. 2011. Molecular systematics of the African snake family Lamprophiidae Fitzinger, 1843 (Serpentes: Elapoidea), with particular focus on the genera *Lamprophis* Fitzinger 1843 and *Mehelya* Csiki 1903. *Molecular Phylogenetics and Evolution* 58: 415–426. **[4]**

Kelso EC, Verrell PA. 2002. Do male veiled chameleons, *Chamaeleo calyptratus*, adjust their courtship displays in response to female reproductive status? *Ethology* 108: 495–512. **[13]**

Kennett RK. 1999. Reproduction of two species of freshwater turtle, *Chelodina rugosa* and *Elseya dentata*, from the wet-dry tropics of northern Australia. *Journal of Zoology* 247: 1–17. **[4]**

Kennett R, Christian K. 1994. Metabolic depression in estivating long-neck turtles (*Chelodina rugosa*). *Physiological Zoology* 67: 1087–1102. **[7]**

Kennett R, Christian KA, Pritchard D. 1993. Underwater nesting by the tropical freshwater turtle, *Chelodina rugosa* (Testudinata, Chelidae). *Australian Journal of Zoology* 41: 47–52. **[4]**

Kennett R, Georges A, Palmer-Allen M. 1993. Early developmental arrest during immersion of eggs of a tropical freshwater turtle, *Chelodina rugosa* (Testudinata: Chelidae), from northern Australia. *Australian Journal of Zoology* 41: 37–45. **[9]**

Keogh JS, Noble DWA, Wilson E, Whiting MJ. 2012. Activity predicts male reproductive success in a polygynous lizard. *PLoS One* 7: e38856. doi: 10.1371/journal.pone.0038856. **[14]**

Keogh JS, Scott IA, Hayes C. 2005. Rapid and repeated origin of insular gigantism and dwarfism in Australian tiger snakes. *Evolution* 59: 226–233. **[5]**

Keogh JS, Umbers KDL, Wilson E, Stapley J, Whiting MJ. 2013. Influence of alternate reproductive tactics and pre- and postcopulatory sexual selection on paternity and offspring performance in a lizard. *Behavioral Ecology and Sociobiology* 67: 629–638. **[14]**

Keogh JS, Webb JK, Shine R. 2007. Spatial genetic analysis and long-term mark-recapture data demonstrate male-biased dispersal in a snake. *Biology Letters* 3: 33–35. **[12]**

Kephart DG, Arnold SJ. 1982. Garter snake diets in a fluctuating environment: A 7-year study. *Ecology* 63: 1232–1236. **[15]**

Kerby JL, Richards-Hrdlicka KL, Storfer A., Skelly DK. 2010. An examination of amphibian sensitivity to environmental contaminants: Are amphibians poor canaries? *Ecology Letters* 13: 60–67. **[17]**

Kerney R. 2011. Embryonic staging table for a direct-developing salamander, *Plethodon cinereus* (Plethodontidae). *The Anatomical Record* 294: 1796–1808. **[7]**

Kerr GD, Bull CM. 2006. Exclusive core areas in overlapping ranges of the sleepy lizard, *Tiliqua rugosa*. *Behavioral Ecology* 17: 380–391. **[12]**

Khannoon ER, El-Gendy A, Hardege JD. 2011. Scent marking pheromones in lizards: Cholesterol and long chain alcohols elicit avoidance and aggression in male *Acanthodactylus boskianus* (Squamata: Lacertidae). *Chemoecology* 21: 143–149. **[13]**

Kiesecker JM, Blaustein AR, Belden LK. 2001. Complex causes of amphibian population declines. *Nature* 410: 681–684. **[17]**

Kiesecker JM, Blaustein AR. 1995. Synergism between UV-B radiation and a pathogen magnifies amphibian embryo mortality in nature. *Proceedings of the National Academy of Sciences USA* 92: 11049–11052. **[17]**

Kiesecker JM, Blaustein AR. 1997. Population differences in responses of red-legged frogs (*Rana aurora*) to introduced bullfrogs. *Ecology* 78: 1752–1760. **[17]**

Kiesecker JM, Blaustein AR. 1999. Pathogen reverses competition between larval amphibians. *Ecology* 80: 2442–2448. **[16]**

Kiesecker JM. 2002. Synergism between trematode infection and pesticide exposure: A link to amphibian limb deformities in nature? *Proceedings of the National Academy of Sciences USA* 99: 9900–9904. **[17]**

Kindermann C, Narayan EJ, Wild F, Wild CH, Hero J-M. 2013. The effect of stress and stress horomones on dynamic colour-change in a sexually dichromatic Australian frog. *Comparative Biochemistry and Physiology, Part A* 165: 223–227. **[13]**

King D, Greene B. 1999. *Monitors: The Biology of Varanid Lizards*, 2nd ed. Kreiger Publishing, Malabar, FL. **[9]**

King MB, Duvall D. 1990. Prairie rattlesnake seasonal migrations: Episodes of movement, vernal foraging and sex differences. *Animal Behaviour* 39: 924–935. **[12]**

King W, Thompson FG. 1968. A review of the American lizards of the genus *Xenosaurus* Peters. *Bulletin of the Florida State Museum* 12: 93–123. **[4]**

Kinlaw A, Grasmueck M. 2012. Evidence for geomorphologic consequences of a reptilian ecosystem engineer: The burrowing cascade initiated by the gopher tortoise. *Geomorphology* 157/158: 108–121. **[1]**

Klaver C, Böhme W. 1986. Phylogeny and classification of the Chamaeleonidae (Sauria) with special reference to hemipenis morphology. *Bonner Zoological Monographs* 22: 1–64. **[4]**

Kleinteich T, Gorb SN. 2014. Tongue adhesion in the horned frog *Ceratophrys* sp. *Scientific Reports* 4: 5225. doi: 10.1038/srep05225. **[11]**

Kleinteich T, Haas A, Summers AP. 2008. Caecilian jaw-closing mechanics: Integrating two muscle systems. *Journal of the Royal Society Interface*, 5, doi: 10.1098/rsif.2008.0155. **[11]**

Kleinteich T., Maddin HC, Herzen J, Beckmann F, Summers AP. 2012. Is solid always best? Cranial performance in solid and fenestrated caecilian skulls. *Journal of Experimental Biology* 215: 833–844. **[3]**

Kley NJ, Brainerd EL. 1999. Feeding by mandibular raking in a snake. *Nature* 402: 369–370. **[4, 11]**

Kley NJ, Brainerd EL. 2002. Post-cranial prey transport mechanisms in the black pinesnake, *Pituophis melanoleucus lodingi*: An X-ray videographic study. *Zoology* 105: 153–164. **[11]**

Kley NJ. 2001. Prey transport mechanisms in blindsnakes and the evolution of unilateral feeding systems in snakes. *American Zoologist* 41: 1321–1337. **[11]**

Kluge AG. 1967. Higher taxonomic categories of gekkonid lizards and their evolution. *Bulletin of the American Museum of Natural History* 135: 1–60. **[4]**

Kluge AG. 1974. A taxonomic revision of the lizard family Pygopodidae. *Miscellaneous Publications of the Museum of Zoology, University of Michigan* 147: 221. **[4]**

Kluge AG. 1976. Phylogenetic relationships in the lizard family Pygopodidae: An evaluation of theory, methods and data. *Miscellaneous Publications of the Museum of Zoology, University of Michigan* 152: 1–72. **[4]**

Kluge AG. 1981. The life history, social organization, and parental behavior of *Hyla rosenbergi* Boulenger, a nest-building gladiator frog. *Miscellaneous Publications of the Museum of Zoology, University of Michigan* 160: 1–170. **[3, 8]**

Kluge AG. 1987. Cladistic relationships in the Gekkonoidea (Squamata, Sauria). *Miscellaneous Publications of the Museum of Zoology, University of Michigan* 173:1–54. **[4]**

Kluge AG. 1991. Boine snake phylogeny and research cycles. *Miscellaneous Publications of the Museum of Zoology, University of Michigan* 178:1–58. **[4]**

Kluge AG. 1993. Aspidites and the phylogeny of pythonine snakes. *Records of the Australian Museum* (Suppl.) 19: 1–77. **[4]**

Kluger MJ, Kozak W, Conn CA, Leon LR, Soszynski D. 1998. Role of fever in disease. *Annals of the New York Academy of Sciences* 856: 224–233. **[6]**

Kluger MJ, Ringler DH, Anver MR. 1975. Fever and survival. *Science* 188: 166–167. **[6]**

Klymus KE, Humfeld SC, Gerhardt HC. 2012. Geographical variation in male advertisement calls and female preference of the wide-ranging canyon treefrog *Hyla arenicolor*. *Biological Journal of the Linnean Society* 107: 219–232. **[13]**

Knapp RA, Matthews KR. 2000. Non-native fish introductions and the decline of the mountain yellow-legged frog from within protected areas. *Conservation Biology* 14: 428–438. **[17]**

Kneitz S. 1998. *Untersuchungen zur Populationsdynamik und zum Ausbreitungsverhalten von Amphibien in der Agrarlandschaft*. Laurenti Verlag, Bochum, Germany. **[12]**

Knepton JC. 1954. A note on the burrowing habits of the salamander *Amphiuma means*. *Copeia* 1954: 68–68. **[3]**

Knopp T, Merilä J. 2009. Multiple paternity in the moor frog, *Rana arvalis*. *Amphibia-Reptilia* 30: 515–521. **[14]**

Kobelt F, Linsenmair KE 1992 Adaptations of the reed frog *Hyperolius yiridiflavus* (Amphibia: Anura: Hyperoliidae) to its arid environment. VI. The iridophores in the skin as radiation reflectors. *Journal of Comparative Physiology* B 162: 314–326. **[6]**

Koch C, Venegas PJ, Garcia-Bravo A, Böhme W. 2011. A new bush anole (Iguanidae, Polychrotinae, *Polychrus*) from the upper Marañon basin, Peru, with a redescription of *Polychrus peruvianus* (Noble, 1924) and additional information on *Polychrus gutturosus* Berthold, 1845. *ZooKeys* 141: 79. **[4]**

Kochva E. 1978. Oral glands of reptiles. *In* Gans C, Gans KA (eds.). *Biology of the Reptilia, Vol. 8: Physiology B*, pp. 43–161. Academic Press, London and New York. **[11]**

Kofron C. 1988. The central and South American blindsnakes of the genus *Anomalepis*. *Amphibia-Reptilia* 9: 7–14. **[4]**

Köhler F, Günther R. 2008. The radiation of microhylid frogs (Amphibia: Anura) on New Guinea: A mitochondrial phylogeny reveals parallel evolution of morphological and life history traits and disproves the current morphology-based classification. *Molecular Phylogenetics and Evolution* 47: 353–365. **[3]**

Köhler F, Schultze KJ, Günther R, Plötner J. 2008. On the genetic diversity in the mitochondrial 12S rRNA gene of Platymantis frogs from Western New Guinea (Anura: Ceratobatrachidae). *Journal of Zoological Systematics and Evolutionary Research* 46: 177–185. **[3]**

Kohlsdorf T, Lynch VJ, Rodrigues MT, Brandley MC, Wagner GP. 2010. Data and data interpretation in the study of limb evolution: A reply to Galis et al. on the reevolution of digits in the lizard genus *Bachia*. *Evolution* 64: 2477–2485. **[4]**

Kohlsdorf T, Wagner GP. 2006. Evidence for the reversibility of digit loss: A phylogenetic study of limb evolution in *Bachia* (Gymnophthalmidae: Squamata). *Evolution* 60: 1896–1912. **[4]**

Kohn NR, Jaeger RG. 2009. Male salamanders remember individuals based on chemical or visual cues. *Behaviour* 146: 1485–1498. **[13]**

Kok D, du Preez LH, Channing A. 1989. Channel construction by the African bullfrog: Another anuran parental-care strategy. *Journal of Herpetology* 23: 435–437. **[8]**

Kornilios P, Giokas S, Lymberakis P, Sindaco R. 2013. Phylogenetic position, origin and biogeography of Palearctic and Socotran blind-snakes (Serpentes: Typhlopidae). *Molecular Phylogenetics and Evolution* 68: 35–41. **[4]**

Kosuch J, Vences M, Dubois A, Ohler A, Böhme W. 2001. Out of Asia: Mitochondrial DNA evidence for an Oriental origin of tiger frogs, genus *Hoplobatrachus*. *Molecular Phylogenetics and Evolution* 21: 398–407. **[3]**

Kotaki, M, Kurabayashi A, Matsui M, Kuramoto M, Djong TH, Sumida M. 2010. Molecular phylogeny of the diversified frogs of genus Fejervarya (Anura: Dicroglossidae). *Zoological Science*.27: 386–395. **[3]**

Kozak KH, Larson A, Bonett RM, Harmon LJ. 2005. Phylogenetic analysis of ecomorphological divergence, community structure, and diversification rates in dusky salamanders (Plethodontidae: *Desmognathus*). *Evolution*, 59: 2000–2016. **[3, 8]**

Kozak KH, Mendyk RW, Wiens JJ. 2009. Can parallel diversification occur in sympatry? Repeated patterns of body-size evolution in coexisting clades of North American salamanders. *Evolution*, 63: 1769–1784. **[3]**

Kozak KH, Wiens JJ. 2007. Climatic zonation drives latitudinal variation in speciation mechanisms. *Proceedings of the Royal Society London B* 274: 2995–3003. **[16]**

Kozak KH, Wiens JJ. 2010. Niche conservatism drives elevational diversity patterns in Appalachian salamanders. *American Naturalist* 176, 40–54. **[3]**

Kraemer AC, Adams DC. 2013. Predator perception of Batesian mimicry and conspicuousness in a salamander. *Evolution* 68: 1197–1206. **[15]**

Kratochvíl L, Frynta D. 2002. Body size, male combat and the evolution of sexual dimorphism in eublepharid geckos (Squamata: Eublepharidae). *Biological Journal of the Linnean Society* 76: 303–314. **[14]**

Kratochvíl L, Frynta D. 2006. Egg shape and size allometry in gekkotans (Squamata: Gekkota), lizards with contrasting eggshell structure: Why lay spherical eggs? *Journal of Zoological Systematics and Evolutionary Research* 44: 217–222. **[9]**

Kraus F. 2009. *Alien Reptiles and Amphibians: A Scientific Compendium and Analysis*. Springer, Dordrecht, The Netherlands. **[17]**

Krause DW, Hartman JH, Wells NA. 1997. Late Cretaceous vertebrates from Madagascar: Implications for biotic change in deep time. *In* Goodman SM, Patterson, BD (eds.). *Natural Change and Human Impact in Madagascar*, pp. 3–43. Smithsonian Institution Press, Washington, DC. **[5]**

Krenz JG, Naylor GJ, Shaffer HB, Janzen FJ. 2005. Molecular phylogenetics and evolution of turtles. *Molecular Phylogenetics and Evolution* 37: 178–191. **[4]**

Krug A, Pröhl H. 2013. Population genetics in a fragmented population of the European tree frog (*Hyla arborea*). *Amphibia-Reptilia* 34: 95–107. **[12]**

Kuhn O. 1969. Cotylosauria. Part 6 of *Encyclopedia of Palaeoherpetology*. Gustav Fischer Verlag, Stuttgart. **[2]**

Kunte K. 2004. Natural history and reproductive behavior of *Nyctibatrachus* cf. *humayuni* (Anura: Ranidae). *Herpetological Review* 35: 137–140. **[3, 8]**

Kupfer A, Müller H, Antoniazzi MM, Jared C, Greven H, Nussbaum RA, Wilkinson M. 2006. Parental investment by skin feeding in a caecilian amphibian. *Nature* 440: 926–929. **[3, 8]**

Kupfer A, Nabhitabhata J, Himstedt W. 2004. Reproductive ecology of female caecilian amphibians (genus *Ichthyophis*): A baseline study. *Biological Journal of the Linnean Society* 83: 207–217. **[8]**

Kupfer A, Nabhitabhata J, Himstedt W. 2005. Life history of amphibians in the seasonal tropics: Habitat, community and population ecology of a caecilian (genus *Ichthyophis*). *Journal of Zoology* 266: 237–247. **[3]**

Kupfer A, Wilkinson M, Gower DJ, Müller H, Jehle R. 2008. Care and parentage in a skin-feeding caecilian amphibian. *Journal of Experimental Zoology* 309A: 460–467. **[8]**

Kupferberg S. 1997. Bullfrog (*Rana catesbeiana*) invasion of a California river: The role of larval competition. *Ecology* 78: 1736–1751. **[17]**

Kupferschmidt K. 2013. From toxins to treatments. *Science* 342: 1162–1164. **[1]**

Kurabayashi A, Kuramoto M, Joshy H, Sumida M. 2005. Molecular phylogeny of the ranid frogs from Southwest India based on the mitochondrial ribosomal RNA gene sequences. *Zoological Science* 22: 525–534. **[3]**

Kurabayashi A, Matsui M, Belabut DM, Yong HS, Ahmad N, Sudin A, Sumida M. 2011. From Antarctica or Asia? New colonization scenario for Australian-New Guinean narrow-mouth toads suggested from the findings on a mysterious genus *Gastrophrynoides*. *BMC Evolutionary Biology* 11: 175. **[3, 5]**

Kurabayashi A, Sumida M. 2013. Afrobatrachian mitochondrial genomes: Genome reorganization, gene rearrangement mechanisms, and evolutionary trends of duplicated and rearranged genes. *BMC Genomics* 14: 633. **[3]**

Kurabayashi A, Sumida M, Yonekawa H, Glaw F, Vences M, Hasegawa M. 2008. Phylogeny, recombination, and mechanisms of stepwise mitochondrial genome reorganization in mantellid frogs from Madagascar. *Molecular Biology and Evolution*, 25: 874–891. **[3]**

Kuramoto M. 1978. Correlations of quantitative parameters of fecundity in amphibians. *Evolution* 32: 287–296. **[8]**

Kuriyama T, Brandley MC, Katayama A, Mori A, Honda M, Hasegawa M. 2010. A time-calibrated phylogenetic approach to assessing the phylogeography and colonization history of snakes in the Japanese Izu Islands. *Journal of Biogeography* 38: 259–271. **[5]**

Kusano T, Toda M, Fukuyama K. 1991. Testes size and breeding systems in Japanese anurans with special reference to large testes in the treefrog, *Rhacophorus arboreus* (Amphibia: Rhacophoridae). *Behavioral Ecology and Sociobiology* 29: 27–31. **[14]**

Kusrini MD, Alford RA. 2006. Indonesia's exports of frogs' legs. *Traffic Bulletin* 21: 13–24. **[17]**

Kwiatkowski MA, Sullivan BK. 2002. Mating system structure and population density in a polygynous lizard, *Sauromalus obesus* (= *ater*). *Behavioral Ecology* 13: 201–208. **[14]**

Kwong S, Woods AE, Mirtschin PJ, Ge R, Kini RM. 2009. The recruitment of blood coagulation factor X into snake venom gland as a toxin: The role of promotor *cis*-elements in its expression. *Thrombosis and Haemostasis* 102: 469–478. **[11]**

La Marca E, Reinthaler HP. 1991. Population changes in *Atelopus* species of the Cordillera de Mérida, Venezuela. *Herpetological Review* 22: 125–128. **[17]**

Lahanas PN, Bjorndal KM, Bolten AB, Encalada SE, Miyamota MM, Valverde RA, Bowen BW. 1998. Genetic composition of a green turtle (*Chelonia mydas*) feeding ground population: Evidence for multiple origins. *Marine Biology* 130: 345–352. **[12]**

Lam BA, Walke JB, Vredenburg VT, Harris RN. 2010. Proportion of individuals with anti-*Batrachochytrium dendrobatidis* skin bacteria is associated with population persistence in the frog *Rana muscosa*. *Biological Conservation* 143: 529–531. **[17]**

Lamb T, Bauer AM. 2013. To be or not to be *Angolosaurus*: A multilocus perspective on the phylogenetic position of Africa's desert plated lizard (Gerrhosauridae). *Zoologica Scripta* 42: 381–388. **[4]**

Lamb T, Biswas S, Bauer AM. 2010. A phylogenetic reassessment of African fossorial skinks in the subfamily Acontinae (Squamata: Scincidae): Evidence for parallelism and polyphyly. *Zootaxa* 2657: 33–46. **[4]**

Lambert SM, Wiens JJ. 2013. Evolution of viviparity: A phylogenetic test of the cold-climate hypothesis in phrynosomatid lizards. *Evolution,* doi: 10.1111/evo.12130. **[9]**

Lamoureux VS, Madison DM. 1999. Overwintering habitats of radio-implanted green frogs, *Rana clamitans*. *Journal of Herpetology* 33: 430–435. **[12]**

Lampert KP, Bernal XE, Rand AS, Mueller UG, Ryan MJ. 2007. Island populations of *Physalaemus pustulosus*: History influences genetic diversity and morphology. *Herpetologica* 63: 311–319. **[5]**

Lancaster JR, Wilson P, Espinoza RE. 2006. Physiological benefits as precursors of sociality: Why banded geckos band. *Animal Behaviour* 72: 199–207. **[6]**

Lance SL, Tuberville TD, Dueck L, Holz-Schietinger C, Trosclair PL III, Elsey RM, Glenn TC. 2009. Multiyear multiple paternity and mate fidelity in the American alligator, *Alligator mississippiensis*. *Molecular Ecology* 18: 4508–4520. **[14]**

Lane AM, Shine R. 2011. When seasnake meets seabird: Ecosystem engineering, facilitation and competition. *Austral Ecology* 36: 544–549. **[6]**

Lang C, Jaeger RG. 2000. Defense of territories by male-female pairs in the red-backed salamander (*Plethodon cinereus*). *Copeia* 2000: 169–177. **[13]**

Lang JW. 1987. Crocodilian behaviour: Implications for management. *In* Webb GJW, Maniolis SC, Whitehead PJ (eds.). *Wildlife Management: Crocodiles and Alligators*, pp. 273–294. Surrey Beatty, Sydney. **[9]**

Lang JW. 1989. Social behavior. *In* Ross CA (ed.). *Crocodiles and Alligators*. pp 102–117. Facts on File, New York. **[1, 14]**

Lang M. 1989. Phylogenetic and biogeographic patterns of basiliscine iguanians (Reptilia: Squamata: "Iguanidae"). *Bonner Zoological Monographs* 28: 1–171. **[4]**

Lang M. 1990. Phylogenetic analysis of the genus group Tracheloptychus-Zonosaurus (Reptilia: Gerrhosauridae), with a hypothesis of biogeographic unit relationships in Madagascar. *In* Peters G, Hutterer R (eds.). *Vertebrates in the Tropics*, pp. 261–274, Museum Alexander Koenig, Bonn, Germany. **[4]**

Lang M. 1991. Generic relationships within Cordyliformes (Reptilia: Squamata). *Bulletin de l'Institute Royal des Sciences Naturelles de Belgique* 61: 121–188. **[4]**

Langerhans RB, Knouft JH, Losos JB. 2006. Shared and unique features of diversification in Greater Antillean *Anolis* ecomorphs. *Evolution* 60: 362–369. **[5]**

Lanham EJ, Bull CM. 2004. Enhanced vigilance in groups in *Egernia stokesii*, a lizard with stable social aggregations. *Journal of Zoology* 263: 95–99. **[12]**

Lannoo MJ. 1998. Introduction. *In* Lannoo MJ (ed.). *Status and Conservation of Midwestern Amphibians*, pp. xi-xviii. University of Iowa Press, Iowa City. ***[17]***

Lannoo M (ed.). 2005. *Amphibian Declines, The Conservation Status of United States Species*. University of California Press, Berkeley. **[1]**

Lannoo MJ, Townsend DS, Wassersug RJ. 1987. Larval life in the leaves: Arboreal tadpole types, with special attention to the morphology, ecology, and behavior of the oophagous *Osteopilus brunneus* (Hylidae) larva. *Fieldiana, Zoology* 38: 1–31. **[8]**

Lappin AK, Brandt Y, Husak JF, Macedonia JM, Kemp DJ. 2006. Gaping displays reveal and amplify a mechanically based index of weapon performance. *American Naturalist* 168: 100–113. **[13]**

Lappin AK, Husak JF. 2005. Weapon performance, not size, determines mating success and potential reproductive output in the collared lizard (*Crotaphytus collaris*). *The American Naturalist* 166: 426–436. **[4]**

Lappin AK, Monroy JA, Pilarski JQ, Zepnewski ED, Pierotti DJ, Nishikawa KC. 2006. Storage and recovery of elastic potential energy powers ballistic prey capture in toads. *Journal of Experimental Biology* 209: 2535–2553. **[11]**

Lappin AK, Swinney EJ. 1999. Sexual dimorphism as it relates to natural history of leopard lizards (Crotaphytidae: *Gambelia*). *Copeia* 1999: 649–660. **[14]**

Larson DJ, Middle L, Vu H, Zhang W, Serianni AS, Duman J, Barnes BM. 2014. Wood frog adaptations to overwintering in Alaska: new limits to freezing tolerance. *Journal of Experimental Biology* 217: 2193–2200. **[7]**

Lasiewski RC, Bartholomew GA 1969. Condensation as a mechanism for water gain in nocturnal poikilotherms. *Copeia* 1969: 405–407. **[6]**

Lathrop A. 1997. Taxonomic review of the megophryid frogs (Anura: Pelobatoidea). *Asiatic Herpetological Research* 7: 68–79. **[3]**

Lauder GV. 1985. Aquatic feeding in lower vertebrates. *In* Hildebrand M, Bramble DM, Liem KF, Wake DB (eds.)., *Functional Vertebrate Morphology*, pp. 210–229. Belknap Press, Cambridge, MA. **[11]**

Lauder GV, Reilly SM. 1994. Amphibian feeding behavior: comparative biomechanics and evolution. *In* Bels VL, Chardon M, Vandewalle P (eds.). *Biomechanics of Feeding in Vertebrates*, pp. 163–195. Springer Verlag, Berlin. **[2]**

Lauder GV, Shaffer HB. 1985. Functional morphology of the feeding mechanism in aquatic ambystomatid salamanders. *Journal of Morphology* 185: 297–326. **[11]**

Lauer A, Simon MA, Banning JL, André E, Duncan K, Harris RN. 2007. Common cutaneous bacteria from the Eastern Red-backed Salamander can inhibit pathogenic fungi. *Copeia* 2007: 630–640. **[17]**

Lauer A, Simon MA, Banning JL, Lam BA, Harris RN. 2008. Diversity of cutaneous bacteria with antifungal activity isolated from female Four-toed Salamanders. *ISME Journal* 2: 145–157. **[17]**

Lauff RF, Russell AP, Bauer AM. 1993. Topography of the digital cutaneous sensilla of the tokay gecko, *Gekko gecko* (Reptilia, Gekkonidae), and their potential role in locomotion. *Canadian Journal of Zoology* 71: 2462–2472. **[10]**

Laurance WF, McDonald KR, Speare R. 1996. Epidemic disease and catastrophic decline of Australian rain forest frogs. *Conservation Biology* 10: 406–413. **[3, 17]**

Laurent RF. 1950. Revision du genre *Atractaspis* A. Smith. *Institut Royal des Sciences Naturalles de Belgique* 2: 1–49. **[4]**

Laurent RF. 1972. Tentative revision of the genus *Hemisus* Günther. *Annales Musee Royal de l'Afrique Centrale* (Belgium) 194: 1–67. **[3]**

Laurijssens C, Stark T. 2013. Urban amphibians and the challenges they face: Connectivity of a small community of amphibians during spring migration in Leeuwarden, the Netherlands. *Froglog* 21(3)30–34. **[17]**

Laurila A, Seppa P. 1998. Multiple paternity in the common frog (*Rana temporaria*): genetic evidence from tadpole kin groups. *Biological Journal of the Linnean Society* 63: 221–232. **[14]**

Laurin M. 1998. The importance of global parsimony and historical bias in understanding tetrapod evolution. Part I. Systematics, middle ear evolution, and jaw suspension. *Annales des Sciences Naturelles* 1998: 1–42. **[2]**

Laurin M. 2002. Tetrapod phylogeny, amphibian origins, and the definition of the name Tetrapoda. *Systematic Biology* 51: 364–369. **[2]**

Laurin M, Anderson JS. 2004. Meaning of the name Tetrapoda in the scientific literature: An exchange. *Systematic Biology* 53: 68–80. **[2]**

Laurin M, Germain D. 2011. Developmental characters in phylogenetic inference and their absolute timing information. *Systematic Biology* 60: 630–644. **[9]**

Laurin M, Meunier FJ, Germain D, Lemoine M. 2007. A microanatomical and histological study of the paired fin skeleton of the Devonian sarcopterygian *Eusthenopteron foordi. Journal of Paleontology* 81: 143–153. **[2]**

Laurin M. Reisz RR. 1995. A reevaluation of early amniote phylogeny. *Zoological Journal of the Linnean Society* 113: 165–223. **[2]**

Lavin BR, Papenfuss TJ 2011. The phylogenetic position of *Chalcides ocellatus* (Squamata: Scincidae) from Yemen and Somalia. *Zootaxa* 3221: 26–36. **[5]**

Lawrence PO. 1991. Hormonal effects on insects and other endoparasites in vitro. *In Vitro Cellular and Developmental Biology*. 27A: 487–496. **[15]**

Lawson LP. 2013. Diversification in a biodiversity hot spot: Landscape correlates of phylogeographic patterns in the African spotted reed frog. *Molecular Ecology* 22: 1947–1960. **[5]**

Lawson PA. 1994. Orientation abilities and mechanisms in nonmigratory populations of garter snakes (*Thamnophis sirtalis* and *T. ordinoides*). *Copeia* 1994: 263–274. **[12]**

Lawson R, Slowinski JB, Burbrink FT. 2004. A molecular approach to discerning the phylogenetic placement of the enigmatic snake *Xenophidion schaeferi* among the Alethinophidia. *Journal of Zoology* 263: 285–294. **[4]**

Lawson R, Slowinski JB, Crother BI, Burbrink FT. 2005. Phylogeny of the Colubroidea (Serpentes): New evidence from mitochondrial and nuclear genes. *Molecular Phylogenetics and Evolution* 37: 581–601. **[4]**

Layne JR. 1991. External ice triggers freezing in freeze-tolerant frogs at temperatures above their supercooling point. *Journal of Herpetology* 25: 129–130. **[7]**

Le M, McCord WP. 2008. Phylogenetic relationships and biogeographical history of the genus *Rhinoclemmys* Fitzinger, 1835 and the monophyly of the turtle family Geoemydidae (Testudines: Testudinoidea). *Zoological Journal of the Linnean Society* 153: 751–767. **[5]**

Le M, Raxworthy CJ, McCord WP, Mertz L. 2006. A molecular phylogeny of tortoises (Testudines: Testudinidae) based on mitochondrial and nuclear genes. *Molecular Phylogenetics and Evolution* 40: 517–531. **[4]**

Le M, Reid BN, McCord WP, Naro-Maciel E, Raxworthy CJ, Amato G, Georges A. 2013. Resolving the phylogenetic history of the short-necked turtles, genera *Elseya* and *Myuchelys* (Testudines: Chelidae) from Australia and New Guinea. *Molecular Phylogenetics and Evolution* 68: 251–258. **[4]**

Leaché AD. 2009. Species tree discordance traces to phylogeographic clade boundaries in North American fence lizards (*Sceloporus*). *Systematic Biology* 58: 547–559. **[4]**

Leaché AD, Cole CJ. 2007. Hybridization between multiple fence lizard lineages in an ecotone: Locally discordant variation in mitochondrial DNA, chromosomes, and morphology. *Molecular Ecology* 16: 1035–1054. **[4]**

Leaché AD, Fujita MK, Minin VN, Bouckaert RR. 2014. Species delimitation using genome-wide SNP data. *Systematic Biology* 63: 534–542. **[2]**

Leaché AD, McGuire JA. 2006. Phylogenetic relationships of horned lizards (*Phrynosoma*) based on nuclear and mitochondrial data: Evidence for a misleading mitochondrial gene tree. *Molecular Phylogenetics and Evolution* 39: 628–644. **[4]**

Leaché AD, Palacios JA, Minin VN, Bryson RW. 2013. Phylogeography of the Trans-Volcanic bunchgrass lizard (*Sceloporus bicanthalis*) across the highlands of southeastern Mexico. *Biological Journal of the Linnean Society* 110: 852–865. **[5]**

Leal F, Cohn MJ. 2015. Development of hemipenes in the ball python snake *Python regius. Sexual Development* 9: 6–20. **[2]**

Leal M, Fleischman LJ. 2002. Evidence for habitat partitioning based on adaptation to environmental light in a pair of sympatric lizard species. *Proceedings of the Royal Society London B* 269: 351–359 **[5]**

Leal M, Fleishman LJ. 2004. Differences in visual signal design and detectability between allopatric populations of *Anolis* lizards. *American Naturalist* 163: 26–39. **[13]**

LeBas NR, Marshall NJ. 2000. The role of color in signaling and male choice in the agamid lizard *Ctenophorus ornatus*. *Proceedings of the Royal Society London B* 267: 445–452. **[13]**

LeBas NR, Marshall. 2001. No evidence of female choice for a condition-dependent trait in the agamid lizard *Ctenophorus ornatus*. *Behaviour* 138: 965–980. **[14]**

Lee JSF, Waldman B. 2002. Communication by fecal chemosignals in an archaic frog, *Leiopelma hamiltoni*. *Copeia* 2002: 679–686. **[13]**

Lee MS, Shine R. 1998. Reptilian viviparity and Dollo's law. *Evolution* 52: 1441–1450. **[9]**

Lee MSY, Bell Jr GL, Caldwell MW. 1999. The origin of snake feeding. *Nature* 400: 655–659. **[4]**

Lee MSY, Oliver PM, Hutchinson MN. 2009. Phylogenetic uncertainty and molecular clock calibrations: A case study of legless lizards (Pygopodidae, Gekkota). *Molecular Phylogenetics and Evolution* 50: 661–666. **[4]**

Lee MSY. 1995. Historical burden in systematics and the interrelationships of 'Parareptiles.' *Biological Reviews of the Cambridge Philosophical Society* 70: 459–547. **[4]**

Lee PLM, Hays GC. 2004. Polyandry in a marine turtle: Females make the best of a bad job. *Proceedings of the National Academy of Sciences USA* 101: 6530–6535. **[14]**

Lehr E, Fritzsch G, Müller A. 2005. Analysis of Andes frogs (*Phrynopus*, Leptodactylidae, Anura) phylogeny based on 12S and 16S mitochondrial rDNA sequences. *Zoologica Scripta* 34: 593–603. **[3]**

Lehr E, Trueb L. 2007. Diversity among New World microhylid frogs (Anura: Microhylidae): Morphological and osteological comparisons between *Nelsonophryne* (Günther 1901) and a new genus from Peru. *Zoological Journal of the Linnean Society 1*49: 583–609. **[3]**

Lehtinen RM, Green SE, Pringle JL. 2014. Impacts of paternal care and seasonal change on offspring survival: A multiseason experimental study of a Caribbean frog. *Ethology* 120: 400–409. **[8]**

Lehtinen RM, Nussbaum RA. 2003. Parental care: A phylogenetic perspective. *In* Jamieson BGM (ed.). *Reproductive Biology and Phylogeny of Anura*, pp. 354–397. Science Publishers, Enfield, New Hampshire. **[8]**

Leigh EG, O'Dea A, Vermeij GJ. 2014. Historical biogeography of the Isthmus of Panama. *Biological Reviews* 89: 148–172. **[5]**

LeMaster MP, Mason RT. 2002. Variation in female sexual attractiveness pheromone controls male mate choice in garter snakes. *Journal of Chemical Ecology* 28: 1269–1285. **[14]**

Lemmon AR, Lemmon EM. 2008. A likelihood framework for estimating phylogeographic history on a continuous landscape. *Systematic Biology* 57: 544–561. **[5]**

Lemmon EM, Lemmon AR, Cannatella DC. 2007a. Geological and climatic forces driving speciation in the continentally distributed trilling chorus frogs (*Pseudacris*). *Evolution* 61: 2086–2103. **[5]**

Lemmon EM, Lemmon AR, Collins JT, Lee-Yaw JA, Cannatella DC. 2007b. Phylogeny-based delimitation of species boundaries and contact zones in the trilling chorus frogs (*Pseudacris*). *Molecular Phylogenetics and Evolution* 44: 1068–1082. **[5]**

Leu ST, Bashford J, Kappelar PM, Bull CM. 2010. Association networks reveal social organization in the sleepy lizard. *Animal Behaviour* 79: 217–225. **[14]**

Leviton AE. 1963. Contributions to a review of Philippine snakes, II. The genera *Liopeltis* and *Sibynophis*. *Philippine Journal of Science* 92: 367–381. **[4]**

Leviton AE, Brown WC. 1959. A review of the snakes of the genus *Pseudorabdion* with remarks on the status of the genera *Agrophis* and *Typhlogeophis* (Serpentes: Colubridae). *Procedings of the California Academy of Sciences* 29: 475–508. **[4]**

Lewis CH, Molloy SF, Chambers RM, Davenport J. 2007. Responses of common musk turtles (*Sternotherus odoratus*) to intraspecific chemical cues. *Journal of Herpetology* 41: 349–353. **[13]**

Lewis ER, Narins PM, Cortopassi KA, Yamada WM, Poinar EH, Moore SW, Yu X-L. 2001. Do male white-lipped frogs use seismic signals for intraspecific communication? *American Zoologist* 41: 1185–1199. **[13]**

Li JT, Che J, Bain RH, Zhao EM, Zhang YP 2008. Molecular phylogeny of Rhacophoridae (Anura): A framework of taxonomic reassignment of species within the genera *Aquixalus*, *Chiromantis*, *Rhacophorus*, and *Philautus*. *Molecular Phylogenetics and Evolution* 48: 302–312. **[3, 4]**

Li JT, Che J, Murphy RW, Zhao H, Zhao EM, Rao DQ, Zhang YP 2009. New insights to the molecular phylogenetics and generic assessment in the Rhacophoridae (Amphibia: Anura) based on five nuclear and three mitochondrial genes, with comments on the evolution of reproduction. *Molecular Phylogenetics and Evolution* 53: 509–522. **[3]**

Li JT, Li Y, Klaus S, Rao DQ, Hillis DM, Zhang YP 2013. Diversification of rhacophorid frogs provides evidence for accelerated faunal exchange between India and Eurasia during the Oligocene. *Proceedings of the National Academy of Sciences USA* 110: 3441–3446. **[3, 4, 5]**

Li JT, Li Y, Murphy RW, Rao DQ, Zhang YP 2012. Phylogenetic resolution and systematics of the Asian tree frogs, *Rhacophorus* (Rhacophoridae, Amphibia). *Zoologica Scripta* 41: 557–570. **[3]**

Li T, Zhao B, Zhou Y-K, Hu R, Du W-G. 2014. Thermoregulatory behavior is widespread in the embryos of reptiles and birds. *American Naturalist* 183: 445–451. **[6]**

Li YI, Kong L, Ponting CP, Haerty W. 2013. Rapid evolution of beta-keratin genes contribute to phenotypic differences that distinguish turtles and birds from other reptiles. *Genome Biology and Evolution* 5: 923–933. **[4]**

Li, J, Rao D, Murphy RW, Zhang YP. 2011. The systematic status of Rhacophorid frogs. *Asian Herpetological Research* 2: 1–11. **[3]**

Licht P, Gorman GC. 1970. Reproductive and fat cycles in Caribbean *Anolis* lizards. *University of California Publications in Zoology* 95: 1–52. **[9]**

Liebgold EB, Brodie ED III, Cabe PR. 2010. Female philopatry and male-biased dispersal in a direct-developing salamander, *Plethodon cinereus*. *Molecular Ecology* 20: 249–257. **[12]**

Liem SS. 1970. The morphology, systematics, and evolution of the Old World treefrogs (Rhacophoridae and Hyperoliidae). *Fieldiana, Zoology* 57: 1–145. **[3]**

Ligon RA. 2014. Defeated chameleons darken dynamically during dyadic disputes to decrease danger from dominants. *Behavioral Ecology and Sociobiology* 68: 1007–1017. **[13]**

Ligon RA, McGraw KJ. 2013. Chameleons communicate with complex colour changes during contests: Different body regions convey different information. *Biology Letters* 9: 20130892 doi: 10.1098/rsbl.2013.0892. **[13]**

Lillywhite HB. 1991. The biology and conservation of acrochordid snakes. *Hamadryad* 16: 1–9. **[4]**

Lillywhite HB. 2004. Plasticity of the water barrier in vertebrate integument. *International Congress Series* 1275, 283–290 **[6]**

Lillywhite HB. 2006. Water relations of tetrapod integument. *Journal of Experimental Biology* 209: 202–226. **[1, 4, 6]**

Lillywhite HB. 2013. A desert in the sea: Water relations of marine snakes. *In* Lutterschmidt WI (ed.). *Reptiles in Research: Investigations of Ecology, Physiology, and Behavior from Desert to Sea*, pp. 485–500. Nova Science Publications, Hauppauge, NY. **[6]**

Lillywhite HB. 2014. *How Snakes Work*. Oxford University Press, Oxford. **[1, 4]**

Lillywhite HB 2014. Pelagic sea snakes dehydrate at sea. *Proceedings of the Royal Society London B* 281: doi: 10.1098/rspb.2014.0119 **[6]**

Lillywhite HB, Babonis LS, Sheehy CM III, Tu M-C. 2008. Sea snakes (*Laticauda* spp.) require fresh drinking water: Implication for the distribution and persistence of populations. *Physiological and Biochemical Zoology* 81: 785–96. **[6]**

Lillywhite HB, Brischoux F, Sheehy CM III, Pfaller JB. 2012. Dehydration and drinking responses in a pelagic sea snake. *Integrative and Comparative Biology* 52: 227–234, **[6]**

Lillywhite HB, de Delva P, Noonan BP. 2002. Patterns of gut passage time and the chronic retention of fecal mass in viperid snakes. *In* Schuett GW, Höggren M, Douglas ME,

Greene HW (eds.). *Biology of the Vipers*, pp. 497–506. Eagle Mountain Publishing, Eagle Mountain, UT. **[4, 11]**

Lillywhite HB, Maderson PFA. 1982. Skin structure and permeability. *In* Gans C, Pough FH (eds.). *Biology of the Reptilia, Vol. 12: Physiology C, Physiological Ecology*, pp. 397–442. Academic Press, London. **[6]**

Lillywhite HB, Maderson PFA. 1988. The structure and permeability of integument. *American Zoologist* 28: 945–962. **[6]**

Lillywhite HB, Sanmartino V. 1993 Permeability and water relations of hygroscopic skin of the file snake, *Acrochordus granulatus*. *Copeia* 1993: 99–103. **[4]**

Lindquist ED, Hetherington TE. 1998. Semaphoring in an earless frog: The origin of a novel visual signal. *Animal Cognition* 1: 83–87. **[13]**

Linkem CW, Hesed KM., Diesmos AC, Brown RM .2010. Species boundaries and cryptic lineage diversity in a Philippine forest skink complex (Reptilia; Squamata; Scincidae: Lygosominae). *Molecular Phylogenetics and Evolution* 56: 572–585. **[5]**

Lips KR. 1998. Decline of a tropical montane amphibian fauna. *Conservation Biology* 12: 106–117. **[17]**

Lips KR. 1999. Mass mortality and population declines of anurans at an upland site in western Panama. *Conservation Biology* 13: 117–125. **[17]**

Liu FGR, Moler PE, Miyamoto MM. 2006. Phylogeography of the salamander genus *Pseudobranchus* in the southeastern United States. *Molecular Phylogenetics and Evolution* 39: 149–159. **[3]**

Liu, Y-X, Davy CM, Shi H-T, Murphy RW. 2013. Sex in the half-shell: A review of the functions and evolution of courtship behavior in freshwater turtles. *Chelonian Conservation and Biology* 12: 84–100. **[13]**

Llewelyn J, Phillips BL, Alford RA, Schwarzkopf L, Shine R. 2010. Locomotor performance in an invasive species: Cane toads from the invasion front have greater endurance, but not speed, compared to conspecifics from a long-colonized area. *Oecologia* 162: 343–348. **[15]**

Loader SP, Ceccarelli FS, Wilkinson M, Menegon M, Mariaux J, De Sá RO, Gower DJ. 2013. Species boundaries and biogeography of East African torrent frogs of the genus *Petropedetes* (Amphibia: Anura: Petropeditidae). *African Journal of Herpetology* 62: 40–48. **[3]**

Loader SP, Gower DJ, Howell KM, Doggart N, Rödel MO, Clarke BT, Wilkinson M. 2004. Phylogenetic relationships of African microhylid frogs inferred from DNA sequences of mitochondrial 12S and 16S rRNA genes. *Organisms Diversity Evolution* 4: 227–235. **[3]**

Loader SP, Gower DJ, Ngalason W, Menegon M. 2010. Three new species of *Callulina* (Amphibia: Anura: Brevicipitidae) highlight local endemism and conservation plight of Africa's Eastern Arc forests. *Zoological Journal of the Linnean Society 1*60: 496–514. **[3]**

Loader SP, Pisani D, Cotton JA, Gower DJ, Day JJ, Wilkinson M. 2007. Relative time scales reveal multiple origins of parallel disjunct distributions of African caecilian amphibians. *Biology Letters* 3: 505–508. **[3]**

Loader SP, Sara Ceccarelli F, Menegon M, Howell KM, Kassahun R, Mengistu AA, Gower DJ. 2014. Persistence and stability of Eastern Afromontane forests: Evidence from brevicipitid frogs. *Journal of Biogeography* 41: 1781–1792. **[3]**

Loader SP, Wilkinson M, Cotton JA, Measey GJ, Menegon M, Howell KM, Gower DJ. 2011. Molecular phylogenetics of *Boulengerula* (Amphibia: Gymnophiona: Caeciliidae) and implications for taxonomy, biogeography and conservation. *The Herpetological Journal*, 21, 5–16. **[3]**

Logares R, Úbeda C. 2004. *Alsodes gargola* (Rana del Catedral). Overwintering tadpoles. *Herpetological Review* 35: 368–369. **[3]**

Lohman DJ, de Bruyn M, Page T, von Rintelen K, Hall R, Ng PK, von Rintelen T. 2011. Biogeography of the Indo-Australian archipelago. *Annual Review of Ecology, Evolution, and Systematics* 42: 205–226. **[5]**

Lohmann KJ, Witherington BE, Lohmann CMF, Salmon M. 1997. Orientation, navigation, and natal beach homing in sea turtles. *In* Lutz PL, Musick, JA (eds.). *The Biology of Sea Turtles*, pp. 107–135. CRC Press, Boca Raton, FL. **[12]**

Lombard RE, Wake DB. 1977. Tongue evolution in the lungless salamanders, family Plethodontidae. II. Function and evolutionary diversity. *Journal of Morphology* 153: 39–80. **[11]**

Lombard RE, Wake DB. 1986. Tongue evolution in the lungless salamanders, family Plethodontidae IV. Phylogeny of plethodontid salamanders and the evolution of feeding dynamics. *Systematic Zoology* 35: 532–551. **[11]**

Lomolino MV, Riddle BR, Brown JH. 2006. *Biogeography*, Third Ed. Sinauer Associates, Sunderland, MA. **[16]**

Long DJ. 1996. Records of white shark-bitten leatherback sea turtles along the central California coast. *In* Klimley AP, Ainley DG (eds.). *Great White Sharks: The Biology of Carcharodon carcharias*, pp. 317–319. Academic Press, New York. **[15]**

Lopez CH, Brodie ED. 1977. The function of costal grooves in salamanders (Amphibia, Urodela). *Journal of Herpetology* 372–374. **[3]**

López P, Amo L, Martín J. 2006. Reliable signaling by chemical cues of male traits and health status in male lizards, *Lacerta monticola*. *Journal of Chemical Ecology* 32: 473–488. **[13]**

López P, Martín J, Salvador A. 2013. Flexibility in feeding behaviour may compensate for morphological constraints of fossoriality in the amphisbaenian *Blanus cinereus*. *Amphibia-Reptilia* 34: 241–247. **[11]**

López P, Martín J. 2001. Pheromonal recognition of females take precedence over the chromatic cue in male Iberian wall lizards, *Podarcis hispanica*. *Ethology*107: 901–912. **[13]**

Loredo AI, Perry LW Jr, Quah ES, Anuar S, Greer LF, Ahmad, N., Grismer, L. 2013. Cryptic speciation within *Asthenodipsas vertebralis* (Boulenger, 1900) (Squamata: Pareatidae), the description of a new species from Peninsular Malaysia, and the resurrection of *A. tropidonotus* (Lidth de Jude, 1923) from Sumatra: An integrative taxonomic analysis. *Zootaxa* 3664: 505–524. **[4]**

Losos JB. 1985. An experimental demonstration of the species-recognition role of *Anolis* dewlap color. *Copeia* 1985: 905–910. **[13]**

Losos JB. 1990. Ecomorphology, performance capability, and scaling of West Indian *Anolis* lizards: an evolutionary analysis. *Ecological Monographs* 60: 369–388. **[16]**

Losos JB. 2009. *Lizards in an Evolutionary Tree: Ecology and Adaptive Radiation of Anoles*. University of California Press, Berkeley. **[1, 5, 13]**

Losos JB. 2011. Convergence, adaptation, and constraint. *Evolution* 65: 1827–1840. **[4]**

Losos JB, Jackman TR, Larson A, de Queiroz K, Rodríguez-Schettino L. 1998. Contingency and determinism in replicated adaptive radiations of island lizards. *Science* 279: 2115–2118. **[5]**

Lötters S, Van der Meijden A, Rödder D, Köster TE, Kraus T, La Marca E, Veith M. 2010. Reinforcing and expanding the predictions of the disturbance vicariance hypothesis in Amazonian harlequin frogs: A molecular phylogenetic and climate envelope modelling approach. *Biodiversity and Conservation* 19: 2125–2146. **[3]**

Lou Y, Liu J, Gao Y, Lu Z. 2014. Smartphone-controlled robot snake for urban search and rescue. *Institute of Electrical and Electronics Engineers 2014 I \nternational Conference on Robotics and Automation Part I*, LNAI 8917, pp. 352–363. **[10]**

Lourdais O, Hoffman TCM, DeNardo DF. 2007 Maternal brooding in the children's python (*Antaresia childreni*) promotes egg water balance. *Journal of Comparative Physiology B* 177: 569–577. **[9]**

Lourenço JM, Claude J, Galtier N, Chiari Y. 2012. Dating cryptodiran nodes: Origin and diversification of the turtle superfamily Testudinoidea. *Molecular Phylogenetics and Evolution* 62: 496–507. **[4]**

Lourenço LB, Bacci-Júnior M, Martins VG, Recco-Pimentel SM, Haddad CFB. 2008. Molecular phylogeny and karyotype differentiation in *Paratelmatobius* and *Scythrophrys* (Anura, Leptodactylidae). *Genetica* 132: 255–266. **[3]**

Louw GN. 1972. The role of advective fog in the water economy of certain Namib Desert animals. *Symposia of the Zoological Society of London* 31: 297–314. **[6]**

Loveridge JP, Withers PC. 1981. Metabolism and water balance of active and cocooned African bullfrogs *Pyxicephalus adspersus*. *Physiological Zoology* 54: 203–214. **[3]**

Lovern MB. 2011. Hormones and reproductive cycles in lizards. *In* Norris DO, Lopez KH (eds.). *Hormones and Reproduction of Vertebrates, Vol. 3*, pp. 321–353. Academic Press, Burlington, MA. **[9]**

Lovett JC, Marchant R, Taplin J, Küper W. 2005. The oldest rainforests in Africa: Stability or resilience for survival and diversity? *In* Purvis A, Gittleman G, Brooks, T (eds.). *Phylogeny and Conservation*, pp. 198–229. Cambridge University Press, Cambridge. **[5]**

Lovett JC, Wasser SK (eds.). 2008. *Biogeography and Ecology of the Rain Forests of Eastern Africa.* Cambridge University Press, Cambridge. **[5]**

Lovett JC. 1993 Climatic history and forest distribution in eastern Africa. *In* Lovett JC, Wasser SK (eds.). *Biogeography and Ecology of the Rain Forests of Eastern Africa*, pp. 23–30. Cambridge University Press, Cambridge. **[5]**

Lowe S, Browne M, Boudjelas S, De Poorter M. 2000. *100 of the World's Worst Invasive Alien Species: A Selection from the Global Invasive Species Database* (p. 12). Invasive Species Specialist Group, Auckland, New Zealand. **[5]**

Lowe WH. 2003. Linking dispersal to local population dynamics: A case study using a headwater salamander system. *Ecology* 84: 2145–2154. **[12]**

Lowe WH. 2009. What drives long-distance dispersal? A test of theoretical predictions. *Ecology* 90: 1456–1462. **[12]**

Lowe WH. 2010. Explaining long-distance dispersal: Effects of dispersal distance on survival and growth in a stream salamander. *Ecology* 91: 3008–3015. **[12]**

Lowe WH, Likens GE, Consentino BJ. 2006. Self-organization in streams: The relationship between movement behaviour and body condition in a headwater salamander. *Freshwater Ecology* 51: 2052–2062. **[12]**

Lowe WH, McPeek MA, Likens GE, Consentino BJ. 2008. Linking movement behaviour to dispersal and divergence in plethodontid salamanders. *Molecular Ecology* 17: 4459–4469. **[12]**

Lüddecke H. 1999. Behavioral aspects of the reproductive biology of the Andean frog *Colostethus palmatus* (Amphibia: Dendrobatidae). *Revista de la Academia Colombiana de Ciencias Exactas, Fisicas y Naturales* (Supplemento Especial) 23: 303–316. **[13]**

Luke C. 1986. Convergent evolution of lizard toe fringes. *Biological Journal of the Linnean Society* 27: 1–16. **[10]**

Lukoschek V, Keogh JS, Avise JC. 2012. Evaluating fossil calibrations for dating phylogenies in light of rates of molecular evolution: A comparison of three approaches. *Systematic Biology* 61: 22–43. **[4]**

Lukoschek V, Keogh JS. 2006. Molecular phylogeny of sea snakes reveals a rapidly diverged adaptive radiation. *Biological Journal of the Linnean Society* 89: 523–539. **[4]**

Lukoschek V, Shine R. 2012. Sea snakes rarely venture far from home. *Ecology and Evolution* 2: 1113–1121. **[12]**

Lunde KB, Johnson PTJ. 2012. A practical guide for the study of malformed amphibians and their causes. *Journal of Herpetology* 46: 429–441. **[17]**

Luschi P, Åkesson A, Broderick AC, Glen F, Godley BJ, Papi F, Hays GC. 2001. Testing the navigational abilities of ocean migrants: Displacement experiments on green sea turtles (*Chelonia mydas*). *Behavioral Ecology and Sociobiology* 50: 528–534. **[12]**

Luschi P, Hays GC, del Seppia C, Marsh R, Papi F. 1998. The navigational feats of green sea turtles migrating from Ascension Island investigated by satellite telemetry. *Proceedings of the Royal Society London B* 265: 2279–2284. **[12]**

Luschi P, Papi F, Liew HC, Chan EH, Bonadonna F. 1996. Long-distance migration and homing after displacement in the green turtle (*Chelonia mydas*): A satellite tracking study. *Journal of Comparative Physiology A* 178: 447–452. **[12]**

Lutes AA, Neaves WB, Baumann DP, Wiegraebe W, Baumann P. 2010. Sister chromosome pairing maintains heterozygosity in parthenogenetic lizards. *Nature* 464: 283–286. **[9]**

Lutterschmidt WI (ed.). 2013. *Reptiles in Research: Investigations of Ecology, Physiology, and Behavior from Desert to Sea*. Nova Science Publishers, Hauppauge, NY. **[17]**

Lutz B. 1948. Ontogenetic evolution in frogs. *Evolution* 2: 29–39. **[8]**

Lynch JD. 1973. The transition from archaic to advanced frogs. *In* Vial JL (ed.). *Evolutionary Biology of the Anurans: Contemporary Research on Major Problems*, pp. 133–182. University of Missouri Press, Columbia. **[3]**

Lynch JD. 1978. A reassessment of the telmatobiine leptodactylid frogs of Patagonia. *Occasional Papers of the Museum of Natural History, University of Kansas* 72: 1–57. **[3]**

Lynch JD. 1982. Relationships of the frogs of the genus *Ceratophrys* (Leptodactylidae) and their bearing on hypotheses of Pleistocene forest refugia in South American and punctuated equilibria. *Systematic Zoology* 31: 166–179. **[3]**

Lynch JD. 1986. The definition of the Middle American clade of *Eleutherodactylus* based on jaw musculature (Amphibia: Leptodactylidae). *Herpetologica* 42: 248–258. **[3]**

Lynch JD, Duellman WE. 1997. Frogs of the genus *Eleutherodactylus* (Leptodactylidae) in western Ecuador: Systematics, ecology, and biogeography. *University of Kansas Museum of Natural History Special Publications* 23. **[3]**

Lynch JD, Ruiz PM, Rueda JV. 1983. Notes on the distribution and reproductive biology of *Centrolene geckoideum* Jimenez de la Espada in Colombia and Ecuador (Amphibia: Centrolenidae). *Studies on Neotropical Fauna and Environment* 18: 239–243. **[3]**

Lynch VJ, Wagner GP. 2010. Did egg-laying boas break Dollo's law? Phylogenetic evidence for reversal to oviparity in sand boas (Eryx: Boidae). *Evolution* 64: 207–216. **[4]**

Lyons JA, Natusch DJD. 2011. Wildlife laundering through breeding farms: Illegal harvest, population declines and a mean of regulating the trade of green pythons (*Morelia viridis*) from Indonesia. *Biological Conservation* 144: 3073–3081. **[17]**

Lyson TR, Bever GS, Bhullar BAS, Joyce WG, Gauthier JA. 2010. Transitional fossils and the origin of turtles. *Biology Letters* 6: 830–833. **[2]**

Lyson TR, Bever GS, Scheyer TM, Hsiang AY, Gauthier JA. 2013. Evolutionary origin of the turtle shell. *Current Biology* 23: 1113–1119. **[2]**

Maan ME, Cummings ME. 2008. Female preferences for aposematic signal components in a polytypic poison frog. *Evolution* 62: 2334–2345. **[13]**

Maan ME, Cummings ME. 2009. Sexual dimorphism and directional selection on aposematic signals in a poison frog. *Proceedings of the National Academy of Sciences USA* 106: 19072–19077. **[13]**

Maan ME, Cummings ME. 2012. Poison frog colors are honest signals of toxicity, particularly for bird predators. *American Naturalist* 179: E1-E14. **[13]**

Macartney JM, Gregory PT, Larsen KW. 1988. A tabular survey of data on movements and home range of snakes. *Journal of Herpetology* 22: 61–73. **[12]**

Macartney JM, Larsen KW, Gregory PT. 1989. Body temperatures and movements of hibernating snakes (*Crotalus* and *Thamnophis*) and thermal gradients of natural hibernacula. *Canadian Journal of Zoology* 67: 108–114. **[7]**

MacCulloch RD, Lathrop A. 2002. Exceptional diversity of *Stefania* (Anura: Hylidae) on Mount Ayanganna, Guyana: Three new species and new distribution records. *Herpetologica* 58: 327–346. **[8]**

MacDonald DW, Carr GM. 1989. Food security and the rewards of tolerance. *In* Standen V, Foley RA (eds.). *Comparative Socioecology: The Behavioural Ecology of Humans and Other Mammals*, pp. 75–99. Blackwell Scientific Publications, Oxford. **[12]**

Macedonia JM, Brandt Y, Clark DL. 2002. Sexual dichromatism and differential conspicuousness in two populations of the common collared lizard (*Crotaphytus collaris*) from Utah and New Mexico, USA. *Biological Journal of the Linnean Society* 77: 67–85. **[13]**

Macedonia JM, Clark DL, Riley RG, Kemp DJ. 2013. Species recognition of color and motion signals in *Anolis grahami*: Evidence from responses to lizard robots. *Behavioral Ecology* 24: 846–852. **[13]**

Macedonia JM, Evans CS, Losos JB. 1994. Male *Anolis* lizards discriminate video-recorded conspecific and heterospecific displays. *Animal Behaviour* 47: 1220–1223. **[13]**

Macedonia JM, Stamps JA. 1994. Species recognition in *Anolis grahami* (Sauria: Iguanidae): Evidence from responses to video playbacks of conspecific and heterospecific displays. *Ethology* 98: 246–264. **[13]**

Macey JR, Kuehl JV, Larson A, Robinson MD, Ugurtas IH, Ananjeva NB, Rahman H, Javed HI, Osman RM, Doumma A, Papenfuss TJ. 2008. Socotra Island the forgotten fragment of Gondwana: unmasking chameleon lizard history with complete mitochondrial genomic data. *Molecular Phylogenetics and Evolution* 49: 1015–1018. **[5]**

Macey JR, Papenfuss TJ, Kuehl JV, Fourcade HM, Boore JL. 2004. Phylogenetic relationships among amphisbaenian reptiles based on complete mitochondrial genomic sequences. *Molecular Phylogenetics and Evolution* 33: 22–31. **[4]**

Macey JR, Schulte II JA, Larson A, Tuniyev BS, Orlov N, Papenfuss TJ. 1999. Molecular phylogenetics, tRNA evolution, and historical biogeography in anguid lizards and related taxonomic families. *Molecular Phylogenetics and Evolution* 12: 250–272. **[5]**

Macey JR, Schulte II JA, Strasburg JL, Brisson JA, Larson A, Ananjeva NB, Papenfuss TJ. 2006. Assembly of the eastern North American herpetofauna: New evidence from lizards and frogs. *Biology Letters* 2: 388–392. **[5]**

Macey JR, Schulte JA II, Larson A, Ananjev NB, Wang Y, Pethiyagoda R, Papenfuss TJ. 2000. Evaluating trans-Tethys migration: An example using acrodont lizard phylogenetics. *Systematic Biology* 49: 233–256. **[4]**

Macey JR, Schulte JA II, Larson A, Tuniyev BS, Orlov N, Papenfuss TJ. 1999. Molecular phylogenetics, tRNA evolution, and historical biogeography in anguid lizards and related taxonomic families. *Molecular Phylogenetics and Evolution* 12: 250–272. **[4]**

Maciel AO, Hoogmoed MS. 2011. Taxonomy and distribution of caecilian amphibians (Gymnophiona) of Brazilian Amazonia, with a key to their identification. *Zootaxa* 2984: 1–53. **[3]**

Mackie RI, Rycyk M, Ruemmler RL, Aminov RI, Wikelski M. 2004. Biochemical and microbiological evidence for fermentative digestion in free-living land iguanas (*Conolophus pallidus*) and marine iguanas (*Amblyrhynchus cristatus*) on the Galápagos Archipelago. *Physiological and Biochemical Zoology* 77: 127–138. **[4]**

Maddin HC, Anderson JS. 2012. Evolution of the amphibian ear with implications for lissamphibian phylogeny: Insight gained from the caecilian inner ear. *Fieldiana Life and Earth Sciences* 5: 59–76. **[2]**

Maddin HC, Jenkins Jr FA, Anderson JS. 2012a. The braincase of *Eocaecilia micropodia* (Lissamphibia, Gymnophiona) and the origin of caecilians. *PLoS One* 7(12): e50743. **[2, 3]**

Maddin HC, Russell AP, Anderson JS. 2012b. Phylogenetic implications of the morphology of the braincase of caecilian amphibians (Gymnophiona). *Zoological Journal of the Linnean Society* 166: 160–201. **[2, 3]**

Maderson PFA. 1965. Histological changes in the epidermis of snakes during the sloughing cycle. *Journal of Zoology* 146: 98–113. **[4]**

Maderson PFA, Rabinowitz T, Tandler B, Alibardi L. 1998. Ultrastructural contributions to an understanding of the cellular mechanisms involved in lizard skin shedding with comments on the function and evolution of a unique lepidosaurian phenomenon. *Journal of Morphology* 236: 1–24. **[4]**

Madison DM, Farrand L III. 1998. Habitat use during breeding and emigration in radio implanted tiger salamanders, *Ambystoma tigrinum*. Copeia 1998: 402–410. **[12]**

Madsen T. 1984. Movements, home-range size, and habitat use of radio-tracked grass snakes (*Natrix natrix*) in southern Sweden. *Copeia* 1984: 707–713. **[12]**

Madsen T, Shine R. 1993. Male mating success and body size in European grass snakes. *Copeia* 1993: 561–564. **[14]**

Madsen T, Shine R. 1996. Seasonal migration of predators and prey: A study of pythons and rats in tropical Australia. *Ecology* 77: 149–156. **[12]**

Madsen T, Shine R, Loman J, Håkansson T. 1993. Determinants of mating success in male adders, *Vipera berus*. *Animal Behaviour* 45: 491–499. **[14]**

Madsen T. 1988. Reproductive success, mortality, and sexual size dimorphism in the adder, *Vipera berus*. *Holarctic Ecology* 11: 77–80. **[14]**

Maglia AM. 1998. Phylogenetic relationships of extant pelobatoid frogs (Anura: Pelobatoidea): evidence from adult morphology. *Scientific Papers, Natural History Museum, The University of Kansas* 10: 1–19. **[3]**

Maglia AM. 1999. The adult skeleton of *Spea multiplicata* and a comparison of the osteology of the pelobatid frogs (Anura: Pelobatidae). *Alytes* 16: 168–164. **[3]**

Magnusson WE, Lima AP, Sampaio RM. 1985. Sources of heat for nests of *Paleosuchus trigonatus* and a review of crocodilian nest temperatures. *Journal of Herpetology* 19: 199–207. **[4]**

Magnusson WE, Vieira da Silva E, Lima AP. 1987. Diets of Amazonian crocodilians. *Journal of Herpetology* 21: 85–95. **[4]**

Mahler DL, Ingram T, Revell LJ, Losos JB. 2013. Exceptional convergence on the macroevolutionary landscape in island lizard radiations. *Science* 341: 292–295. **[1]**

Mahrt LA. 1998. Territorial establishment and maintenance by female tree lizards, *Urosaurus ornatus*. *Journal of Herpetology* 32: 176–182. **[12]**

Maladen RD, Ding Y, Li C, Goldman DI. 2009. Undulatory swimming in sand: Subsurface locomotion of the sandfish lizard. *Science* 325: 314–318. **[10]**

Malhotra A, Creer S, Pook CE, Thorpe RS. 2010. Inclusion of nuclear intron sequence data helps to identify the Asian sister group of New World pit vipers. *Molecular Phylogenetics and Evolution* 54: 172–178. **[4]**

Malnate EV. 1960. Systematic division and evolution of the colubrid snake genus *Natrix*, with comments on the subfamily Natricinae. *Proceedings of the Academy of Natural Sciences of Philadelphia* 112: 41–71. **[4]**

Malonza PK, Measey GJ. 2005. Life history of an African caecilian: *Boulengerula taitanus* Loveridge 1935 (Amphibia Gymnophiona Caeciilidae). *Tropical Zoology* 18: 49–66. **[3]**

Man Z, Yishu W, Peng Y, Xiaobing W. 2011. Crocodilian phylogeny inferred from twelve mitochondrial protein-coding genes, with new complete mitochondrial genomic sequences for *Crocodylus acutus* and *Crocodylus novaeguineae*. *Molecular Phylogenetics and Evolution* 60: 62–67. **[4]**

Manley GA, Kraus JEM. 2010. Exceptional high-frequency hearing and matched vocalizations in Australian pygopod geckos. *Journal of Experimental Biology* 213: 1876–1885. **[13]**

Manrod JD, Hartdegen R, Burghardt GM. 2008. Rapid solving of a problem apparatus by juvenile black-throated monitor lizards (*Varanus albigularis albigularis*). *Animal Cognition* 11: 267–273. **[15]**

Mansfield KL, Wyneken J, Porter WP, Luo J. 2014. First satellite tracks of neonate sea turtles redefine the 'lost years' oceanic niche. *Proceedings of the Royal Society London B* 281: 20133039. doi: 10.1098/rspb.2013.3039. **[12]**

Manzanilla J, La Marca E, García-París M. 2009. Phylogenetic patterns of diversification in a clade of Neotropical frogs (Anura: Aromobatidae: Mannophryne). *Biological Journal of the Linnean Society* 97, 185–199. **[3]**

Marcellini DL. 1977. Acoustic and visual display behavior of gekkonid lizards. *American Zoologist* 17: 251–260. **[13]**

Marco A, Lizana M. 2002. The absence of species and sex recognition during mate search by male common toads, *Bufo bufo*. *Ethology Ecology and Evolution* 14: 1–8. **[14]**

Marco A, Perez-Mellado V. 1999. Mate guarding, intrasexual competition and mating success in males of the non-territorial lizard *Lacerta schreiberi*. *Ethology Ecology and Evolution* 11: 279–286. **[14]**

Marin J, Donnellan SC, Hedges SB, Doughty P, Hutchinson MN, Cruaud C, Vidal N. 2013a. Tracing the history and biogeography of the Australian blindsnake radiation. *Journal of Biogeography* 40: 928–937. **[4]**

Marin J, Donnellan SC, Hedges SB, Puillandre N, Aplin P, Doughty P, Vidal N. 2013b. Hidden species diversity of Australian burrowing snakes (*Ramphotyphlops*). *Biological Journal of the Linnean Society* 110: 427–441. **[4, 5]**

Maritz B, Alexander GJ. 2012. Dwarfs on the move: Spatial ecology of the world's smallest viper, *Bitis schneideri*. *Copeia* 2012: 115–120. **[12]**

Marjanović D, Laurin M. 2008. A reevaluation of the evidence supporting an unorthodox hypothesis on the origin of extant amphibians. *Contributions to Zoology* 77: 149–199. **[2]**

Marjanović D, Laurin M. 2009. The origin(s) of modern amphibians: A commentary. *Evolutionary Biology* 36: 336–338. **[2]**

Marjanović D, Laurin M. 2014. An updated paleontological timetree of lissamphibians, with comments on the anatomy of Jurassic crown-group salamanders (Urodela). *Historical Biology* 26: 535–550. **[2]**

Marks SB, Houck LD. 1989. Partial cost of spermatophore production in the salamander *Desmognathus ochrophaeus*. *Journal of Herpetology* 23: 81–84. **[8]**

Markwick PJ. 1998. Fossil crocodilians as indicators of Late Cretaceous and Cenozoic climates: Implications for using palaeontological data in reconstructing palaeoclimate. *Palaeogeography, Palaeoclimatology, Palaeoecology* 137: 205–271. **[4]**

Marler CA, Walsberg G, White ML, Moore M. 1995. Increased energy expenditure due to increased territorial defense in male lizards after phenotypic manipulation. *Behavioral Ecology and Sociobiology* 37: 225–231. **[13]**

Marques OAV, Puorto G. 1998. Feeding, reproduction and growth in the crowned snake *Tantilla melanocephala* (Colubridae), from southeastern Brazil. *Amphibia-Reptilia* 19: 311–318. **[4]**

Marsh DM, Fegraus EH, Harrison S. 1999. Effects of breeding pond isolation on the spatial and temporal dynamics of pond use by the túngara frog, *Physalaemus pustulosus*. *Journal of Animal Ecology* 68: 804–814. **[12]**

Marsh DM, Trenham PC. 2001. Metapopulation dynamics and amphibian conservation. *Conservation Biology* 15: 40–49. **[12]**

Marshall JC, Sites JW. 2001. A comparison of nuclear and mitochondrial cline shapes in a hybrid zone in the *Sceloporus grammicus* complex (Squamata; Phrynosomatidae). *Molecular Ecology* 10: 435–449. **[4]**

Martel A and 10 others. 2013. *Batrachochytrium salamandrivorans* sp. nov. causes lethal chytridiomycosis in amphibians. *Proceedings of the National Academy of Sciences USA* 110: 15325–15329. **[17]**

Martín J, Forsman A. 1999. Social costs and development of nuptial coloration in male *Psammodromus algirus* lizards: An experiment. *Behavioral Ecology* 10: 396–400. **[13]**

Martín J, López P. 2006. Links between male quality, male chemical signals, and female mate choice in Iberian rock lizards. *Functional Ecology* 20: 1087–1096. **[13]**

Martín J, López P. 2007. Scent may signal fighting ability in male Iberian rock lizards. *Biology Letters* 3: 125–127. **[13]**

Martín J, López P. 2013. Responses of female rock lizards to multiple scent marks of males: Effect of male age, male density and scent over-marking. *Behavioural Processes* 94: 109–114. **[13]**

Martínez-Solano I. 2004. Phylogeography of Iberian *Discoglossus* (Anura: Discoglossidae). *Journal of Zoological Systematics and Evolutionary Research* 42: 298–305. **[3]**

Martínez-Solano I, Gonçalves HA, Arntzen JW, García-París M. 2004. Phylogenetic relationships and biogeography of midwife toads (Discoglossidae: *Alytes*). *Journal of Biogeography* 31: 603–618. **[3, 5]**

Martins EP. 1993. Contextual use of the push-up display by the sagebrush lizard, *Sceloporus graciosus*. *Animal Behaviour* 45: 25–36. **[13]**

Martins EP. 1994. Phylogenetic perspectives on the evolution of lizard territoriality. *In* Vitt LJ, Pianka ER (eds.). *Lizard Ecology: Historical and Experimental Perspectives*, pp. 117–144. Princeton University Press, Princeton, NJ. **[12]**

Marvi H, Bridges J, Hu DL. 2013. Snakes mimic earthworms: Propulsion using rectilinear travelling waves. *Journal of the Royal Society Interface* 10: 20130188. http://dx.doi.org/10.1098/rsif.2013.0188 **[10]**

Marvi H, Gong C, Gravish B, Astley H, Travers M, Hatton RL, Mendelson JR III, Choset H, et al. 2014. Sidewinding with minimal slip: Snake and robot ascent of sandy slopes. *Science* 346: 224–229. **[10]**

Marvi H., Hu DL. 2012. Friction enhancement in concertina locomotion of snakes. *Journal of the Royal Society Interface* 9: 3067–3080. **[10]**

Maschio GF, Prudente ALDC, Rodrigues FDS, Hoogmoed MS. 2010. Food habits of *Anilius scytale* (Serpentes: Aniliidae) in the Brazilian Amazonia. *Zoologia* 27: 184–190. **[4]**

Mason RT, Parker MR. 2010. Social behavior and pheromonal communication in reptiles. *Journal of Comparative Physiology A* 196: 729–749. **[13]**

Mason RT. 1992. Reptilian pheromones. *In* Gans C, Crews D (eds.). *Biology of the Reptilia, Vol. 18, Physiology E: Hormones, Brain, and Behavior*, pp. 114–228. University of Chicago Press, Chicago. **[13, 14]**

Mason RT, Parker MR. 2010. Social behavior and pheromonal communication in reptiles. *Journal of Comparative Physiology A* 196: 729–749. **[14]**

Massey A. 1988. Sexual interactions in red-spotted newt populations. *Animal Behaviour* 36: 205–210. **[14]**

Massot M, Clobert J. 2000. Processes at the origin of similarities in dispersal behavior among siblings. *Journal of Evolutionary Biology* 13: 707–719. **[12]**

Massot M, Clobert J, Lorenzon P, Rossi J-M. 2002. Condition-dependent dispersal and ontogeny of the dispersal behaviour: An experimental approach. *Journal of Animal Ecology* 71: 253–261. **[12]**

Mateo JA, Cuadrado M. 1998. *Ptyodactylus oudrii*. Parental care. *Herpetological Review* 29: 101–102. **[9]**

Mateo JA, Cuadrado M. 2012. Communal nesting and parental care in Oudri's fan-footed gecko (*Ptyodactylus oudrii*): Field and experimental evidence of an adaptive behavior. *Journal of Herpetology* 46: 209–212. **[9]**

Mathies T. 2011. Reproductive cycles of tropical snakes. *In* Aldridge RD, Sever DM (eds.). *Reproductive Biology and Phylogeny of Snakes*, pp. 511–550. Science Publishers, Enfield, NH. **[9]**

Mathies T, Andrews RM. 1999. Determinants of embryonic stage at oviposition in the lizard *Urosaurus ornatus*. *Physiological and Biochemical Zoology* 72: 645–655. **[9]**

Mathies T, Pitt WC, Rabon JA. 2012. *Boiga irregularis* (Brown treesnake). *Herpetological Review* 43: 143–144. **[5]**

Mathis A, Britzke E. 1999. The roles of body size and experience in agonistic displays of the Ozark zigzag salamander, *Plethodon angusticlavius*. *Herpetologica* 55: 344–352. **[13]**

Mathis A, Jaeger RG, Keen WH, Ducey PK, Walls SC, Buchanan BW. 1995. Aggression and territoriality by salamanders and a comparison with the territorial behaviour of frogs. *In* Heatwole H, Sullivan BK (eds.). *Amphibian Biology, Vol. 2: Social Behaviour*, pp. 633–676. Surrey Beatty and Sons, Chipping Norton, NSW, Australia. **[12, 13, 14]**

Matsui M, Hamidy A, Belabut DM, Ahmad N, Panha, S, Sudin A, Nishikawa K. 2011. Systematic relationships of Oriental tiny frogs of the family Microhylidae (Amphibia, Anura) as revealed by mtDNA genealogy. *Molecular Phylogenetics and Evolution* 61: 167–176 **[3]**

Matsui M, Hamidy A, Murphy RW, Khonsue W, Yambun P, Shimada T, Jiang JP. 2010. Phylogenetic relationships of megophryid frogs of the genus Leptobrachium(Amphibia, Anura) as revealed by mtDNA gene sequences. *Molecular Phylogenetics and Evolution* 56: 259–272. **[3]**

Matsui M, Shimada T, Liu WZ, Maryati M, Khonsue W, Orlov N. 2006. Phylogenetic relationships of Oriental torrent frogs in the genus *Amolops* and its allies (Amphibia, Anura, Ranidae). *Molecular Phylogenetics and Evolution* 38: 659–666. **[3]**

Matsui M, Shimada T, Ota H, Tanaka-Ueno T. 2005. Multiple invasions of the Ryukyu Archipelago by Oriental frogs of the subgenus *Odorrana* with phylogenetic reassessment of the related subgenera of the genus *Rana*. *Molecular Phylogenetics and Evolution* 37: 733–742. **[3]**

Matsui M, Tominaga A, Liu WZ, Tanaka-Ueno T. 2008. Reduced genetic variation in the Japanese giant salamander, Andrias japonicus(Amphibia: Caudata). *Molecular Phylogenetics and Evolution* 49, 318–326. **[3]**

Matthews KR. 2003. Response of mountain yellow-legged frogs, *Rana muscosa*, to short distance translocation. *Journal of Herpetology* 37: 621–626. **[12]**

Matuschka FR, Bannert B. 1989. Recognition of cyclic transmission of *Sarcocystis stehlinii* N. Sp. in the Gran Canarian giant lizard. *Journal of Parasitology* 75: 383–387. **[15]**

Matveyeva TN, Ananjeva NB. 1995. The distribution and number of the skin sense organs of agamid, iguanid, and gekkonid lizards. *Journal of Zoology* 235: 253–268. **[4]**

Mautz WJ, Case TJ. 1970. A diurnal activity cycle in the granite night lizard, *Xantusia henshawi*. *Copeia* 1974: 243–251. **[6]**

May RM, 2004. Ethics and amphibians. *Nature* 431: 403. **[12]**

Mayer W, Pavlicev M. 2007. The phylogeny of the family Lacertidae (Reptilia) based on nuclear DNA sequences: Convergent adaptations to arid habitats within the subfamily Eremiainae. *Molecular Phylogenetics and Evolution* 44: 1155–1163. **[4]**

Mazerolle MJ, Bailey LL, Kendall WL, Royle JA, Converse SJ, Nichols JD. 2007. Making great leaps forward: Accounting for detectability in herpetological field studies. *Journal of Herpetology* 41: 672–689. **[16]**

McAlpin S, Duckett P, Stow A. 2011. Lizards cooperatively tunnel to construct a long-term home for family members. *PLoS One* 6 (5): doi: 10.1371/journal.pone.0019041. **[12]**

McBee RH, McBee VH. 1982. The hindgut fermentation in the green iguana, *Iguana iguana*. *In* Burghardt GM, Rand AS (eds.). *Iguanas of the World: Their Behavior, Ecology, and Conservation*, pp. 77–83. Noyes Publications, Park Ridge, NJ. **[15]**

McBrayer LD, Reilly SM. 2002. Prey processing in lizards: Behavioral variation in sit-and-wait and widely foraging taxa. *Canadian Journal of Zoology* 80: 882–892. **[11]**

McCain CM. 2010. Global analysis of reptile elevational diversity. *Global Ecology and Biogeography* 19: 541–553. **[16]**

McCallum ML. 2007. Amphibian decline or extinction? Current declines dwarf background extinction rate. *Journal of Herpetology* 41: 483–491. **[1, 17]**

McCann S, Greenlees MJ, Newell D, Shine R. 2014, Rapid acclimation to cold allows the cane toad to invade montane areas within its Australian range. *Functional Ecology* 28: 116–1174. **[12]**

McCarthy CJ. 1985. Monophyly of elapid snakes (Serpentes: Elapidae). An assessment of the evidence. *Zoological Journal of the Linnean Society* 83: 79–93. **[4]**

McCay MG. 2001. Aerodynamic stability and maneuverability of the gliding frog *Polypedates dennysi*. *Journal of Experimental Biology* 204: 2817–2826. **[10]**

McClanahan L, Jr. 1972. Changes in body fluids of burrowed spadefoot toads as a function of soil water potential. *Copeia* 1972: 209–216. **[6]**

McClanahan L, Stinner JN, Shoemaker VH. 1978. Skin lipids, water loss, and energy metabolism in a South American tree frog (*Phyllomedusa sauvagei*). *Physiological Zoology* 51: 179–187. **[6]**

McClanahan LL, Shoemaker VH. 1987. Behavior and thermal relations of the arboreal frog *Phyllomedusa sauvagei*. *National Geographic Research* 3: 11–21. **[6]**

McCleary RJR, Kini RM. 2013. Non-enzymatic proteins from snake venoms: A gold mine of pharmacological tools and drug leads. *Toxicon* 62: 56–74. **[1]**

McDiarmid RW. 1971. Comparative morphology and evolution of frogs of the neotropical genera *Atelopus, Dendrophryniscus, Melanophryniscus,* and *Oreophrynella*. *Bulletin of the Los Angeles County Museum of Natural History* 12: 1–66. **[3]**

McDiarmid RW, Altig R (eds). 1999. *Tadpoles: The Biology of Anuran Larvae*. University of Chicago Press, Chicago. **[8]**

McDowell SB. 1968. Affinities of the snakes usually called *Elaps lacteus* and *E. dorsalis*. *Journal of the Linnean Society (Zoology)* 47: 561–578. **[11]**

McDowell SB. 1974. A catalogue of the snake of New Guinea and the Solomons, with special reference to those in the Bernice P. Bishop Museum, Part I. Scolecophidia. *Journal of Herpetology* 8: 1–57. **[4]**

McDowell SB. 1975. A catalogue of the snakes of New Guinea and the Solomons, with special reference to those in the Bernice P. Bishop Museum. Part II. Anilioidea and Pythoninae. *Journal of Herpetology* 9:1–80. **[4]**

McDowell SB. 1979. A catalogue of the snakes of New Guinea and the Solomons, with special reference to those in the Bernice P. Bishop Museum. Part III. Boinae and Acrochordoidea (Reptilia, Serpentes). *Journal of Herpetology* 13: 1–92. **[4]**

McDowell SB. 1986. The architecture of the corner of the mouth in colubroid snakes. *Journal of Herpetology* 20: 353–407. **[4]**

McDowell SB, Bogert CM. 1954. The systematic position of *Lanthanotus* and the affinities of the Anguinomorphan lizards. *Bulletin of the American Museum of Natural History* 105: 1–142. **[4]**

McElroy EJ, Marien C, Meyers JJ, Irschick DJ. 2007. Do displays send information about ornament structure and male quality in the ornate tree lizard, *Urosaurus ornatus*? *Ethology* 113: 1113–1122. **[13]**

McGowan GJ. 2002. Albanerpetontid amphibians from the Lower Cretaceous of Spain and Italy: A description and reconsideration of their systematics. *Zoological Journal of the Linnean Society* 135: 1–32. **[2]**

McGowan GJ, Evans SE. 1995. Albanerpetontid amphibians from the Cretaceous of Spain. *Nature* 373: 143–145. **[2]**

McGuire JA. 1996. Phylogenetic systematics of crotaphytid lizards (Reptilia: Iguania: Crotaphytidae). *Bulletin of the Carnegie Museum of Natural History* 32: 1–143. **[4]**

McGuire JA, Dudley R. 2005. The cost of living large: Comparative gliding performance in flying lizards (Agamidae: *Draco*). *American Naturalist* 166: 93–106. **[10]**

McGuire JA, Linkem CW, Koo MS, Hutchison DW, Lappin AK, Orange DI, Jaeger JR. 2007. Mitochondrial introgression and incomplete lineage sorting through space and time: Phylogenetics of crotaphytid lizards. *Evolution* 61: 2879–2897. **[4]**

McKeown S, Meuer DE, Juvik JO. 2013. The Management and Breeding of the Asian forest tortoise (*Manouria emys*) in captivity. *Archives of the California Turtle and Tortoise Club* http: //www.tortoise.org/archives/manouria.html Modified December 31, 2013 1: 45: 14 PM, accessed 2 October 2014. **[9]**

McLeod DS. 2010. Of Least Concern? Systematics of a cryptic species complex: *Limnonectes kuhlii* (Amphibia: Anura: Dicroglossidae). *Molecular Phylogenetics and Evolution* 56: 991–1000. **[3]**

McMahon TA and 16 others. 2014. Amphibians acquire resistance to live and dead fungus overcoming fungal immunosuppression. *Nature* 511: 224–227. **[17]**

Mead LS, Verrell PA. 2002. Evolution of courtship behaviour patterns and reproductive isolation in the *Desmognathus ochrophaeus* complex. *Ethology* 108: 403–427. **[13]**

Means DB, Palis JG, Baggett M. 1996. Effects of slash pine silviculture on a Florida population of flatwoods salamander. *Conservation Biology* 10: 426–437. **[17]**

Means DB, Savage JM. 2007. Three new malodorous rainfrogs of the genus *Pristimantis* (Anura: Brachycephalidae) from the Wokomung Massif in west-central Guyana, South America. *Zootaxa* 1658: 39–55. **[3]**

Measey GJ, Herrel A. 2006. Rotational feeding in caecilians: Putting a spin on the evolution of cranial design. *Biology Letters* 2: 485–487. **[3, 11]**

Measey GJ, Tolley KA. 2013. A molecular phylogeny for sub-Saharan amphisbaenians. *African Journal of Herpetology* 62: 100–108. **[3, 4]**

Measey GJ, Vences M, Drewes RC, Chiari Y, Melo M, Bourles, B. 2007. Freshwater paths across the ocean: Molecular phylogeny of the frog *Ptychadena newtoni* gives insights into amphibian colonization of oceanic islands. *Journal of Biogeography* 34: 7–20. **[3]**

Mebs D. 1978. Pharmacology of reptilian venoms. *In* Gans C, Gans KA (eds.). *Biology of the Reptilia, Vol. 8: Physiology B*, pp. 437–560. Academic Press, New York. **[11]**

Medica PA, Bury RB, Luckenbach RA. 1980. Drinking and construction of water catchments by the desert tortoise, Gopherus agassizii, in the Mojave Desert. *Herpetologica* 36: 301–304. **[6]**

Meffe GK, Carroll CR (eds.). 1997. *Principles of Conservation Biology*, Second Ed. Sinauer Associates, Sunderland, MA. **[17]**

Meganathan PR, Dubey B, Batzer MA, Ray DA, Haque I. 2010. Molecular phylogenetic analyses of genus *Crocodylus* (Eusuchia, Crocodylia, Crocodylidae) and the taxonomic position of *Crocodylus porosus*. *Molecular Phylogenetics and Evolution*. 57: 393–402. **[4]**

Meik JM, Lawing AM, Pires-daSilva A. 2010. Body size evolution in insular speckled rattlesnakes (Viperidae: *Crotalus mitchellii*). *PLoS One* 5: e9524. **[5]**

Meik JM, Schaack S, Ingrasci MJ, Lawing AM, Setser K, Mociño-Deloya E, Flores-Vellela O. 2012. Notes on activity, body size variation, and diet in insular speckled rattlesnakes from the western Sea of Cortés, Mexico. *Herpetological Review* 43: 556–560. **[5]**

Meiri S, Brown JH, Sibley RM. 2012. The ecology of lizard reproductive output. *Global ecology and Biogeography* 21: 592–602. **[9]**

Melvani K. 1997. Frog tea? *Froglog* (23): 2. **[17]**

Mendelson III JR, Da Silva HR, Maglia AM. 2000. Phylogenetic relationships among marsupial frog genera (Anura: Hylidae: Hemiphractinae) based on evidence from morphology and natural history. *Zoological Journal of the Linnean Society 1*28: 125–148. **[3]**

Méndez MA, Torres-Pérez F, Correa C, Soto ER, Nuñez JJ, Veloso A, Armesto J. 2006. Genetic divergence in the endangered frog *Insuetophrynus acarpicus* (Anura: Leptodactylidae). *The Herpetological Journal* 16: 93–96. **[3]**

Méndez-de la Cruz FR, Villagrán-Santa Cruz M, Andrews RM. 1998. Evolution of viviparity in the lizard genus *Sceloporus*. *Herpetologica* 54: 521–532. **[9]**

Mendonça MT, Crews D. 2001. Control of attractivity and receptivity in female red-sided garter snakes. *Hormones and Behavior* 40: 43–50. **[14]**

Meredith RW, Hekkala ER, Amato G, Gatesy J. 2011. A phylogenetic hypothesis for *Crocodylus* (Crocodylia) based on mitochondrial DNA: Evidence for a trans-Atlantic voyage from Africa to the New World. *Molecular Phylogenetics and Evolution*. 60: 183–191. **[4, 5]**

Meshaka WE Jr. 2001. *The Cuban Treefrog in Florida: Life History of a Successful Colonizing Species*. University Press of Florida, Gainesville. **[17]**

Meylan A. 1982. Sea turtle migration—evidence from tag returns. *In* Bjorndal KA (ed.). *Biology and Conservation of Sea Turtles*, pp. 91–100. Smithsonian Institution Press, Washington, DC. **[12]**

Meylan PA. 1987. The phylogenetic relationships of soft-shelled turtles (Family Trionychidae). *Bulletin of the American Museum of Natural History* 186: 1–101. **[4]**

Micheli-Campbell MA, Baumgartl T, Booth DT, Campbell HA, Connell M, Franklin CE. 2013. Selectivity and repeated use of nesting sites in a freshwater turtle. *Herpetologica* 69: 383–396. **[12]**

Middendorf GA III, Sherbrooke WC. 1992. Canid elicitation of blood-squirting in a horned lizard (*Phrynosoma cornutum*). *Copeia* 1992: 519–527. **[15]**

Miller JD. 1985. Embryology of marine turtles. *In* Gans C, Billett F, Maderson PFA (eds.). *Biology of the Reptilia, Vol. 14: Development A*, pp. 269–328. John Wiley & Sons, New York. **[9]**

Miller JD. 1997. Reproduction in sea turtles. *In* Lutz PL, Musick JA (eds.). *The Biology of Sea Turtles*, pp. 51–81. CRC Press, Boca Raton, FL. **[12]**

Miller K, Packard GC, Packard MJ. 1987. Hydric conditions during incubation influence locomotor performance of hatchling snapping turtles. *Journal of Experimental Biology* 127: 401–412. **[7]**

Miller K. 1993. The improved performance of snapping turtles (*Chelydra serpentina*) hatched from eggs incubated on a wet substrate persists through the neonatal period. *Journal of Herpetology* 27: 228–233. **[7]**

Miller KA, Miller HC, Moore JA, Mitchell NJ, Cree A, Allendorf FW, Nelson NJ. 2012. Securing the demographic and genetic future of tuatara through assisted colonization. *Conservation Biology* 26: 790–798. **[4, 17]**

Miller MP, Haig SM, Wagner RS. 2006. Phylogeography and spatial genetic structure of the southern torrent salamander: Implications for conservation and management. *Journal of Heredity* 97: 561–570. **[3]**

Milner AR. 1988. The relationships and origin of living amphibians. *In* Benton MJ (ed.). *The Phylogeny and Classification of the Tetrapods*, pp. 59–102. Systematics Association Special Volume 35A, Clarendon Press, Oxford, UK. **[2, 3]**

Milner AR. 1993. The Paleozoic relatives of lissamphibians. *Herpetological Monographs* 7: 8–27. **[2]**

Milner AR, Sequeira SEK. 1994. The temnospondyl amphibians from the Viséan of East Kirkton, West Lothian, Scotland. *Transactions of the Royal Society of Edinburgh* 84: 331–361. **[2]**

Milnes MR. 2011. Hormones and reproductive cycles in crocodilians. *In* Norris DO, Lopez KH (eds.), *Hormones and Reproduction of Vertebrates, Vol. 3*, pp. 305–319. Academic Press, Burlington, MA. **[9]**

Min MS, Yang SY, Bonett RM, Vieites DR, Brandon RA, Wake DB 2005. Discovery of the first Asian plethodontid salamander. *Nature* 435: 87–90. **[3]**

Minnich JE. 1972. Excretion of urate salts by reptiles. *Comparative Biochemistry and Physiology A* 41: 535–549. **[6]**

Minnich JE. 1982. The use of water. *In* Gans C, Pough FH (eds.). *Biology of the Reptilia, vol 12 (Physiology C, Physiological Ecology)*, pp 325–396. Academic Press, London. **[6]**

Minnich JE, Piehl PA. 1972. Spherical precipitates in the urine of reptiles. *Comparative Biochemistry and Physiology A* 41: 551–552. **[6]**

Minteer BA, Collins JP, Love KE, Puschendorf R. 2014. Avoiding (Re)extinction. *Science* 344: 260–261. **[17]**

Minton SA Jr. 1990. Venomous bites by nonvenomous snakes: An annotated bibliography of colubrid envenomation. *Journal of Wilderness Medicine* 1: 119–127. **[11]**

Mitchell JC. 1986. Cannibalism in reptiles: A worldwide review. *Society for the Study of Amphibians and Reptiles Herpetological Circular* 15: 1–37. **[15]**

Mitchell NJ, Janzen FJ. 2010. Temperature-dependent sex determination and contemporary climate change. *Sexual Development* 4: 129–140. **[1]**

Moermond TC. 1979. Habitat constraints on the behavior, morphology, and community structure of *Anolis* lizards. *Ecology* 60: 152–164. **[16]**

Moermond TC. 1986. A mechanistic approach to the structure of animal communities: *Anolis* lizards and birds. *American Zoologist* 26: 23–37. **[16]**

Moffat LA. 1985. Embryonic development and aspects of reproductive biology in the tuatara, *Sphenodon punctatus*. *In* Gans C, Billett F, Maderson PFA (eds.). *Biology of the Reptilia, Vol. 14: Development A*, pp. 493–521. John Wiley & Sons, New York. **[9]**

Molenaar GJ. 1992. Anatomy and physiology of infrared sensitivity of snakes. *In* Gans C, Ulinski PS (eds.). *Biology of the Reptilia, Vol. 17: Neurology C, Sensorimotor Integration*, pp. 367–453. University of Chicago Press, Chicago. **[4]**

Moler PE, Franz R. 1987. Wildlife values of small, isolated wetlands in the Southeastern Coastal Plain. *In* Odom RR, Riddleberger KA, Ozier JC (eds.). *Proceedings of the Third S. E. Nongame and Endangered Wildlife Symposium*, pp. 234–241. Georgia Department of Natural Resources, Atlanta. **[17]**

Moler PE, Kezer J. 1993. Karyology and systematics of the salamander genus *Pseudobranchus* (Sirenidae). *Copeia* 1993: 39–47. **[3]**

Molnár O, Bajer K, Török J, Herczeg G. 2012. Individual quality and nuptial throat colour in male European green lizards. *Journal of Zoology* 287: 233–239. **[13]**

Monastersky R. 2014. Life—a status report. *Nature* 516: 159–161. **[17]**

Monroe EA, Monroe SE. 1968. Origin of iridescent colors on the indigo snake. *Science* 159: 97–98. **[4]**

Montes C, Cardonna A, Jaramillo C, Pardo A, Silva JC, Valencia V, Ayala C. Pérez-Angel LC, Rodriguez-Parra LA, Ramirez V, Niño H. 2015. Middle Miocene closure of the Central American Seaway. *Science* 348: 226–229. **[5]**

Montesinos R, Silva HR, Carvalho ALG. 2012. The 'island rule' acting on anuran populations (Bufonidae: *Rhinella ornata*) of the Southern Hemisphere. *Biotropica* 44: 506–511. **[5]**

Moodie GEE. 1978. Observations on the life history of the caecilian *Typhlonectes compressicauda* (Duméril and Bibron) in the Amazon basin. *Canadian Journal of Zoology* 56: 1005–1008. **[3, 8]**

Moon BR. 2000. The mechanics of swallowing and the muscular control of diverse behaviors in gopher snakes. *Journal of Experimental Biology* 203: 2589–2601. **[11]**

Moore BC, Roark AM, Kohno S, Hamlin HJ, Guillette LJ Jr. 2012. Gene–environment interactions: The potential role of contaminants in somatic growth and the development of the reproductive system of the American alligator. *Molecular and Cellular Endocrinology* 354: 111–120. **[1]**

Moore FR, Gatten RE Jr. 1989. Locomotor performance of hydrated, dehydrated, and osmotically stressed anuran amphibians. *Herpetologica* 45: 101–110. **[7]**

Moore MC, Hews DK, Knapp R. 1998. Hormonal control and evolution of alternative male phenotypes: Generalizations of models for sexual differentiation. *American Zoologist* 38: 133–151. **[13, 14]**

Moreno V, Aguayo CA, Brunton DH. 2011. A survey for the amphibian chytrid fungus *Batrachochytrium dendrobatidis* in New Zealand's endemic Hochstetter's frog (*Leiopelma hochstetteri*). *New Zealand Journal of Zoology* 38: 181–184. **[3]**

Morey S, Reznick D. 2000. A comparative analysis of plasticity in larval development in three species of spadefoot toads. *Ecology* 81: 1736–1749. **[8]**

Morgan MJ, Roberts JD, Keogh JS. 2007. Molecular phylogenetic dating supports an ancient endemic speciation model in Australia's biodiversity hotspot. *Molecular Phylogenetics and Evolution* 44, 371–385. **[3]**

Mori A, Burghardt GM, Savitzky AH, Roberts KA, Hutchinson DA, Goris RC. 2012. Nuchal glands: A novel defensive system in snakes. *Chemoecology* 22: 187–198. **[4, 15]**

Morin PJ. 1983. Competitive and predatory interactions in natural and experimental populations of *Notophthalmus viridescens dorsalis* and *Ambystoma tigrinum*. *Copeia*1983: 628–639. **[16]**

Moritz, C, Uzzell T, Spolsky C, Hotz H, Darevsky I, Kupriyanova L, Danielyan F. 1992. The material ancestry and approximate age of parthenogenetic species of Caucasian rock lizards (*Lacerta*: Lacertidae). *Genetica* 87: 53–62. **[9]**

Morrison SF, Keogh JS, Scott IAW. 2002. Molecular determination of paternity in a natural population of the multiply-mating polygynous lizard *Eulamprus heatwolei*. *Molecular Ecology* 11: 535–545. **[14]**

Morrison SF, Nakamura K. 2011. Central neural pathways for thermoregulation. *Frontiers of Bioscience* 16: 74–104. **[6]**

Mott T, Vieites DR. 2009. Molecular phylogenetics reveals extreme morphological homoplasy in Brazilian worm lizards challenging current taxonomy. *Molecular Phylogenetics and Evolution* 51: 190–200. **[4]**

Moustakas-Verho JE, Zimm R, Cebra-Thomas J, Lempliäinen NK, Kallonen A, Mitchell KL, Hämäläinen K, et al. 2014. The origin and loss of periodic patterning in the turtle shell. *Development* 141: 3033–3039. **[4]**

Mouton PLN, Flemming AF, Kanga EM. 1999. Grouping behavior, tail-biting behavior and sexual dimorphism in the armadillo lizard (*Cordylus cataphractus*) from South Africa. *Journal of Zoology* 249: 1–10. **[4, 12]**

Mouton PLN, van Wyk JH. 1993. Sexual dimorphism in cordylid lizards: A case study of the Drakensberg crag lizard, *Pseudocordylus melanotus*. *Canadian Journal of Zoology* 71: 1715–1723. **[12]**

Moyer K, Jackson K. 2011. Phylogenetic relationships among the Stiletto Snakes (genus *Atractaspis*) based on external morphology. *African Journal of Herpetology* 60: 30–46. **[4]**

Mrosovsky N. 1981. Plastic jellyfish. *Marine Turtle Newsletter* 17: 5–7. **[4]**

Mrosovsky N. 1994. Sex ratios in sea turtles. *Journal of Experimental Zoology* 270: 16–27. **[9]**

Mrosovsky N, Ryan GD, James MC. 2009. Leatherback turtles: The menace of plastic. *Marine Pollution Bulletin* 58: 287–289. **[4]**

Mueller CA, Seymour RS. 2011. The importance of perivitelline fluid convection to oxygen uptake of *Pseudophryne bibronii* eggs. *Physiological and Biochemical Zoology* 84: 299–305. **[7]**

Mueller RL, Gregory TR, Gregory SM, Hsieh A, Boore JL. 2007. Genome size, cell size, and the evolution of enucleated erythrocytes in attenuate salamanders. *Zoology* (Jena) 111: 218–230. **[3]**

Mueller RL, Macey JR, Jaekel M, Wake DB, and Boore JL. 2004. Morphological homoplasy, life history evolution, and historical biogeography of plethodontid salamanders inferred from complete mitochondrial genomes. *Proceedings of the National Academy of Sciences USA* 101: 13820–13825. **[3, 8]**

Mulcahy DG, Martínez-Gómez JE, Aguirre-León G, Cervantes-Pasqualli JA, Zug GR. 2014. Rediscovery of an endemic vertebrate from the remote Islas Revillagigedo in the Eastern Pacific Ocean: The Clarión nightsnake lost and found. *PLoS One* 9(5): e97682. doi: 10.1371/journal.pone.0097682. **[17]**

Mulcahy DG, Morrill BH, Mendelson III JR. 2006. Historical biogeography of lowland species of toads (Bufo) across the Trans-Mexican Neovolcanic Belt and the Isthmus of Tehuantepec. *Journal of Biogeography* 33: 1889–1904. **[5]**

Mulcahy DG, Noonan BP, Moss T, Townsend TM, Reeder TW, Sites JW Jr, Wiens JJ. 2012. Estimating divergence dates and evaluating dating methods using phylogenomic and mitochondrial data in squamate reptiles. *Molecular Phylogenetics and Evolution* 65: 974–991. **[4]**

Mulvaney A, Castoe TA, Ashton KG, Krysko KL, Parkinson CL 2005. Evidence of population genetic structure within the Florida worm lizard, *Rhineura floridana* (Amphisbaenia: Rhineuridae). *Journal of Herpetology* 39: 118–124. **[4]**

Münchenberg T, Wollenberg KC, Glaw F, Vences M. 2008. Molecular phylogeny and geographic variation of Malagasy iguanas (*Oplurus* and *Chalarodon*). *Amphibia-Reptilia* 29: 319–327. **[4]**

Munger JC. 1984. Home ranges of horned lizards (*Phrynosoma*): Circumscribed and exclusive? *Oecologia* 62: 351–360. **[12]**

Munguia-Vega A, Rodriguez-Estrella R, Shaw WW, Culver M. 2013. Localized extinction of an arboreal desert lizard caused by habitat fragmentation. *Biological Conservation* 157: 11–20. **[12]**

Munns SL. 2013. Gestation increases the energetic cost of breathing in the lizard *Tiliqua rugosa*. *Journal of Experimental Biology* 216: 171–180. **[7]**

Munns S, Daniels C. 2007. Breathing with big babies: Ventilation and oxygen consumption during pregnancy in the lizard *Tiliqua rugosa. Physiological and Biochemical Zoology* 80: 35–45. **[7]**

Munns SL, Edwards A, Nicol S, Frappell PB. 2015. Pregnancy limits lung function during exercise and depresses metabolic rate in the skink *Tiliqua nigrolutea*. *Journal of Experimental Biology* 218: 931–939. **[7]**

Munns SL, Owerkowicz T, Andrewartha SJ, Frappell PB. 2012. The accessory role of the diaphragmaticus muscle in lung ventilation in the estuarine crocodile *Crocodylus porosus. Journal of Experimental Biology* 215: 845–852 **[7]**

Muñoz A. 2004. Chemo-orientation using conspecific chemical cues in the stripe-necked terrapin (*Mauremys leprosa*). *Journal of Chemical Ecology* 30: 519–530. **[13]**

Murphy BF, Parker SL, Murphy CR, Thompson MB. 2011. Placentation in the eastern water skink (*Eulamprus quoyii*): A placentome- like structure in a lecithotrophic lizard. *Journal of Anatomy* 218: 678–689. **[4]**

Murphy CG. 1994a. Chorus tenure of male barking treefrogs, *Hyla gratiosa*. *Animal Behaviour* 48: 763–777. **[7]**

Murphy CG. 1994b. Determinants of chorus tenure in barking tree frogs (*Hyla gratiosa*). *Behavioral Ecology and Sociobiology* 34: 285–294. **[7]**

Murphy CG. 2011. Simultaneous mate-sampling by female barking treefrogs (*Hyla gratiosa*). *Behavioral Ecology* 23: 1162–1169. **[14]**

Murphy CG, Gerhardt HC. 2002. Mate sampling by female barking treefrogs (*Hyla gratiosa*). *Behavioral Ecology* 13: 472–480. **[14]**

Murphy JB. 1976. Pedal luring in the leptodactylid frog, *Ceratophrys calcarata* Boulenger. *Herpetologica* 32: 339–341. **[15]**

Murphy JB, Lamoreaux WE. 1978. Mating behavior in three Australian chelid turtles (Testudines: Pleurodira: Chelidae). *Herpetologica* 34: 398–405. **[13]**

Murphy JC. 2011. The nomenclature and systematics of some Australasian homalopsid snakes (Squamata: Serpentes: Homalopsidae). *Raffles Bulletin of Zoology* 59: 229–236. **[4]**

Murphy JC, Voris HK. 2014. A checklist and key to the homalopsid snakes (Reptilia, Squamata, Serpentes), with the description of new genera. *Fieldiana Life and Earth Sciences* 8: 1–43. **[4]**

Murphy JC, Voris HK, Karns DR, Chan-Ard T, Suvunrat K. 1999. The ecology of the water snakes of Ban Tha Hin, Songkhla Province, Thailand. *Natural History Bulletin of the Siam Society* 47: 129–147. **[4]**

Murphy RW, Fu J, MacCulloch RD, Darevsky IS, Kupriyanova LA. 2000. A fine line between sex and unisexuality: The phylogenetic constraints on parthenogenesis in lacertid lizards. *Zoological Journal of the Linnean Society* 130: 527–549. **[9]**

Murray K, Bull CM. 2004. Aggressiveness during monogamous pairing in the sleepy lizard, *Tiliqua rugosa*: A test of the mate guarding hypothesis. *Acta Ethologica* 7: 19–27. **[14]**

Mushinsky HR, Hebrard JJ, Vodopich DS. 1982. Ontogeny of water snake foraging ecology. *Ecology* 63: 1624–1629. **[15]**

Musick JA, Limpus CJ. 1997. Habitat utilization and migration in juvenile sea turtles. *In* Lutz PL, Musick JA (eds.). *The Biology of Sea Turtles*, pp. 137–163. CRC Press, Boca Raton, FL. **[12]**

Myers CW, Cadle JE. 2003. On the snake hemipenis, with notes on *Psomophis* and techniques of eversion: A response to Dowling. *Herpetological Review* 34: 295–302. **[4]**

Myers EM, Zamudio KR. 2004. Multiple paternity in an aggregate breeding amphibian: The effect of reproductive skew on estimates of male reproductive success. *Molecular Ecology* 13: 1951–1963. **[14]**

Myers N, Mittermeier RA, Mittermeier CG, da Fonseca GAB, Kent J. 2000. Biodiversity hot spots for conservation priorities. *Nature* 403: 853–858. **[3]**

Nabhan GP. 1995. Cultural parallax in viewing North American habitats. *In* Soulé ME, Lease G (eds.). *Reinventing Nature? Responses to Postmodern Deconstruction*, pp. 87–101. Island Press, Washington, DC. ***[16]***

Nace GW, Rosen JK. 1979. Source of amphibians for research II. *Herpetological Review* 10: 8–15. **[17]**

Nagy KA. 1972. Water and electrolyte budgets for a free-living desert lizard, *Sauromalus obseus. Journal of Comparative Physiology* 79: 39–62. **[6]**

Nagy KA, Huey RB, Bennett AF. 1984. Field energetics and foraging mode of Kalahari lacertid lizards. *Ecology* 65: 588–596. **[15]**

Nagy NA, Medica PA. 1986. Physiological ecology of desert tortoises in southern Nevada. *Herpetologica* 42: 73–92. **[6]**

Nagy ZT, Joger U, Wink M, Glaw F, Vences M. 2003. Multiple colonization of Madagascar and Socotra by colubrid snakes: Evidence from nuclear and mitochondrial gene phylogenies. *Proceedings of the Royal Society London B* 270: 2613–2621. **[4]**

Nagy ZT, Sonet G, Glaw F, Vences M. 2012. First large-scale DNA barcoding assessment of reptiles in the biodiversity hotspot of Madagascar, based on newly designed COI primers. *PLoS One* 7: e34506. **[5]**

Nagy ZT, Vidal N, Vences M, Branch WR, Pauwels OS, Wink M, Joger U. 2005. Molecular systematics of African Colubroidea (Squamata: Serpentes). *In* Huber BA, Sinclair BJ, Lampe KH (eds.). *African Biodiversity*, pp. 221–228. Springer, New York. **[4]**

Nair A, Gopalan SV, George S, Kumar KS, Shikano, T, Merilä J. 2012a. Genetic variation and differentiation in Indirana beddomii frogs endemic to the Western Ghats biodiversity hotspot. *Conservation Genetics* 13: 1459–1467. **[3]**

Narins PM. 1990. Seismic communication in anuran amphibians. *Bioscience* 40: 268–274. **[13]**

Narins PM. 1992. Evolution of anuran chorus behavior: Neural and behavioral constraints. *American Naturalist* 139: S90-S104. **[13]**

Narins PM, Capranica RR. 1978. Communicative significance of the two-note call of the tree frog *Eleutherodactylus coqui. Journal of Comparative Physiology* 127: 1–9. **[3]**

Narins PM, Ehret G, Tautz J. 1988. Accessory pathway for sound transfer in a Neotropical frog. *Proceedings of the National Academy of Sciences USA* 85: 1508–1512. **[13]**

Narins PM, Grabul DS, Soma KK, Gaucher P, Hödl W. 2005. Cross-modal integration in a dart-poison frog. *Proceedings of the National Academy of Sciences USA* 102: 2425–2429. **[13]**

Narins PM, Lewis ER, McClelland BE. 2000. Hyper-extended call note repertoire of the endemic Madagascar treefrog *Boophis madagascariensis* (Rhacophoridae). *Journal of Zoology* 250: 283–298. **[13]**

Narins PM, Lewis ER, Purgue AP, Bishop PJ, Minter LR, Lawson DP. 2001. Functional consequences of a novel middle ear adaptation in the central African frog *Petropedetes parkeri* (Ranidae). *Journal of Experimental Biology* 204: 1223–1232. **[3]**

Naro-Maciel E, Bondioli ACV, Martin M, Almeida AD, Baptistotte, C, Bellini C, Marcovaldi MA, Santos AJB et al. 2012. The interplay of homing and dispersal in green turtles: A focus on the southwestern Atlantic. *Journal of Heredity* 103: 792–805. **[12]**

Naro-Maciel E, Le M, FitzSimmons NN, Amato G. 2008. Evolutionary relationships of marine turtles: A molecular phylogeny based on nuclear and mitochondrial genes. *Molecular Phylogenetics and Evolution* 49: 659–662. **[4]**

Narvaes P, Rodrigues MT. 2005. Visual communication, reproductive behavior, and home range of *Hylodes dactylocinus* (Anura, Leptodactylidae). *Phyllomedusa: Journal of Herpetology* 4: 147–158. **[3]**

Natale GS, Alcalde L, Herrera R, Cajade R, Schaefer EF, Marangoni F, Trudeau VL. 2011. Underwater acoustic communication in the macrophagic carnivorous larvae of *Ceratophrys ornata* (Anura: Ceratophryidae). *Acta Zoologica* 92: 46–53. **[3]**

National Research Council. 1990. *Decline of the Sea Turtles*. National Academy Press, Washington, D.C. **[17]**

Navas CA, Antoniazzi MM, Carvalho JE, Chaui-Berlink JG, James RS, Jared C, Kohlsdorf T, Pai–Silva MD, Wilson RS. 2004. Morphological and physiological specialization for digging in amphisbaenians, an ancient lineage of fossorial vertebrates. *Journal of Experimental Biology* 207: 2433–2441. **[1]**

Near TJ, Meylan PA, Shaffer HB. 2005. Assessing concordance of fossil calibration points in molecular clock studies: An example using turtles. *American Naturalist* 165: 137–146. **[5]**

Neaves WB, Baumann P. 2011. Unisexual reproduction among vertebrates. *Trends in Genetics* 27: 81–88. **[9]**

Nelson CE, Meyer JR. 1967. Variation and distribution of the Middle American snake genus, *Loxocemus* Cope (Boidae?). *Southwestern Naturalist* 12: 439–453. **[4]**

Nelson NJ, Thompson MB, Pledger S, Keall SN, Daugherty CH. 2004. DO TSD, sex ratios, and nest characteristics influence the vulnerability of tuatara to global warming? *International Congress Series* 1275: 250–257. **[1]**

Nesbitt SJ. 2011. The early evolution of archosaurs: relationships and the origin of major clades. *Bulletin of the American Museum of Natural History* 352: 1–292. **[2]**

Nesbitt SJ, Liu J, Li C. 2010. A sail-backed suchian from the Heshanggou Formation (Early Triassic: Olenekian) of China. *Earth and Environmental Science Transactions of the Royal Society of Edinburgh* 101: 271–284. **[2]**

Newman EA, Hartline PH. 1982. The infrared "vision" of snakes. *Scientific American* 246 (March): 116–127. **[4]**

Newman RA. 1987. Effects of density and predation on *Scaphiopus couchi* tadpoles in desert ponds. *Oecologia* 71: 301–307. **[8]**

Newman RA. 1992. Adaptive plasticity in amphibian metamorphosis. *BioScience* 42: 672. **[3]**

Newton WD, Trauth SE. 1992. Ultrastructure of the spermatozoon of the lizard *Cnemidophorus sexlineatus* (Sauria: Teiidae). *Herpetologica* 48: 330–343. **[9]**

Ng J, Landeen EL, Logsdon RM, Glor, RE. 2012. Correlation between *Anolis* lizard dewlap phenotype and environmental variation indicates adaptive divergence of a signal important to sexual selection and species recognition. *Evolution* 67: 573–582. **[13]**

Niblick HA, Rostal DC, Classen T. 1994. Role of male-male interactions and female choice in the mating system of the desert tortoise, *Gopherus agassizii*. *Herpetological Monographs* 8: 124–132. **[14]**

Nichols WJ, Resendiz A, Seminoff JA, Resendiz B. 2000. Trans-Pacific migration of a loggerhead turtle monitored by satellite telemetry. *Bulletin of Marine Science* 67: 937–947. **[12]**

Nicholson KE, Crother BI, Guyer C, Savage JM. 2012. It is time for a new classification of anoles (Squamata: Dactyloidae). *Zootaxa* 3477: 1–108. **[4]**

Nicholson KE, Crother BI, Guyer C, Savage JM. 2014. Anole classification: A response to Poe. *Zootaxa* 3814: 109–120. **[4]**

Nielsen SV, Bauer AM, Jackman TR, Hitchmough RA, Daugherty CH. 2011. New Zealand geckos (Diplodactylidae): Cryptic diversity in a post-Gondwanan lineage with trans-Tasman affinities. *Molecular Phylogenetics and Evolution* 59: 1–22. **[4]**

Nielson M, Lohman K, Daugherty CH, Allendorf FW, Knudsrk KL, Sulivan J. 2006. Allozyme and mitochondrial DNA variation in the tailed frog (Anura: *Ascaphus*): The influence of geography and gene flow. *Herpetologica* 62: 235–258. **[3]**

Nielson M, Lohman K, Sullivan J. 2001. Phylogeography of the tailed frog (*Ascaphus truei*): Implications for the biogeography of the Pacific Northwest. *Evolution* 55: 147–160. **[3]**

Nieuwoudt CJ, Mouton P le FN, Flemming AF. 2003. Aggregation behaviour and movement patterns in the large-scaled girdled lizard, *Cordylus macropholis*. *Amphibia-Reptilia* 24: 345–357. **[12]**

Niewiarowski PH, Angilletta MJ, Leaché AD. 2004. Phylogenetic comparative analysis of life-history variation among populations of the lizard *Sceloporus undulatus*: An example and prognosis. *Evolution* 58: 619–633. **[4]**

Nishikawa K, Matsui M, Yong HS, Ahmad N, Yambun, P, Belabut DM, Shimada T. 2012. Molecular phylogeny and biogeography of caecilians from Southeast Asia (Amphibia, Gymnophiona, Ichthyophiidae), with special reference to high cryptic species diversity in Sundaland. *Molecular Phylogenetics and Evolution* 63: 714–723. **[3, 5]**

Nishikawa KC. 2000. Feeding in frogs. *In* Schwenk K (ed.). *Feeding: Form, Function, and Evolution in Tetrapod Vertebrates*, pp. 117–147. Academic Press, San Diego, CA. **[11]**

Nishikawa KC, Kier WM, Smith KK. 1999. Morphology and mechanics of tongue movement in the African pig-nosed frog *Hemisus marmoratum*: A muscular hydrostatic model. *Journal of Experimental Biology* 202: 771–780. **[11]**

NOAA. 2013. Regional climate trends and scenarios for the U.S. National Climate Assessment Part 4. Climate of the U.S. Great Plains. Technical Report NESDIS 142–4, Washington, DC. **[7]**

Noble GK. 1925. The integumentary, pulmonary, and cardiac modifications correlated with increased cutaneous respiration in the Amphibia: A solution of the "hairy frog" problem. *Journal of Morphology and Physiology* 40: 341–416. **[7]**

Noble GK. 1931. *The Biology of the Amphibia*. McGraw Hill, New York. **[14]**

Noble GK, Bradley HT. 1933. The mating behavior of lizards: Its bearing on the theory of sexual selection. *Annals of the New York Academy of Sciences* 35: 25–100. **[14]**

Noleto RB, Amaro RC, Verdade VK, Campos JRC, Gallego LFK, de Lima AMX, Toledo LF. 2011. Comparative cytogenetics of eight species of *Cycloramphus*(Anura, Cycloramphidae). *Zoologischer Anzeiger, A Journal of Comparative Zoology* 250: 205–214. **[3]**

Noonan BP, Chippindale PT. 2006. Vicariant origin of Malagasy reptiles supports Late Cretaceous Antarctic land bridge. *The American Naturalist* 168: 730–741. **[4, 5]**

Noonan BP, Pramuk JB, Bezy RL, Sinclair EA, de Queiroz KD, Sites JW Jr. 2013. Phylogenetic relationships within the lizard clade Xantusiidae: Using trees and divergence times to address evolutionary questions at multiple levels. *Molecular Phylogenetics and Evolution*. 69: 109–122. **[4]**

Norberg UM. 1985. Flying, gliding, and soaring. *In* Hildebrand M, Bramble D, Liem KF, Wake DB (eds.). *Functional Vertebrate Morphology*, pp. 129–158. Belknap Press, Cambridge, MA. **[10]**

Norell MA. 1989. The higher level relationships of the extant Crocodylia. *Journal of Herpetology* 23: 325–335. **[4]**

Norris, KS. 1967. Color adaptation in desert reptiles and its thermal relationships. *In* Milstead WW (ed.). *Lizard Ecology: A Symposium*, pp. 162–229. University of Missouri Press, Colombia. **[6]**

Novak RM, Robinson DC. 1975. Observations on the reproduction and ecology of the tropical montane toad, *Bufo holdridgei* Taylor in Costa Rica. *Revista Biologica Tropical* 23: 213–237. **[8]**

Novosolov M, Raia P, Meiri S. 2013. The island syndrome in lizards. *Global Ecology and Biogoegraphy* 22: 184–191. **[9]**

Nowakowski AJ, Jimenez BO, Allen M, Diaz-Escobar M, Donnelly MA. 2013. Landscape resistance to movement of the poison frog, *Oophaga pumilio*, in the lowlands of northeastern Costa Rica. *Animal Conservation* 16: 188–197. **[12]**

Nuin PA, do Val FC. 2005. Phylogenetic analysis of the subfamily Hylodinae (Anura, Leptodactylidae) based on morphological characters. *Amphibia-Reptilia* 26: 139. **[3]**

Nurnberger B, Barton N, MacCallum C, Gilchrist J, Appleby M. 1995. Natural selection on quantitative traits in the *Bombina* hybrid zone. *Evolution* 49: 1224–1238. **[3]**

Nussbaum RA. 1977. Rhinatrematidae: A new family of caecilians (Amphibia: Gymnophiona). *Occasional Papers of the Museum of Zoology, University of Michigan* 682: 1–30. **[3]**

Nussbaum RA. 1979. The taxonomic status of the caecilian genus *Uraeotyphlus* Peters. *Occasional Papers of the Museum of Zoology, University of Michigan* 687: 1–20. **[3]**

Nussbaum RA. 1980. Phylogenetic implications of amplectant behavior in sooglossid frogs. *Herpetologica* 36: 1–5. **[3]**

Nussbaum RA. 1983. The evolution of a unique dual jaw-closing mechanism in caecilians (Amphibia: Gymnophiona) and its bearing on caecilian ancestry. *Journal of Zoology, London* 199: 545–554. **[3, 11]**

Nussbaum RA. 1985. Systematics of caecilians (Amphibia: Gymnophiona) of the family Scolecomorphidae. *Occasional Papers of the Museum of Zoology, University of Michigan* 713: 1–49. **[3]**

Nussbaum RA. 1985. The evolution of parental care in salamanders. *Miscellaneous Publications of the Museum of Zoology, University of Michigan* 169: 1–50. **[8]**

Nussbaum RA. 1987. Parental care and egg size in salamanders: An examination of the safe harbor hypothesis. *Researches on Population Ecology* (Kyoto) 29: 27–44. **[8]**

Nussbaum RA. 1992. Caecilians. *In* Cogger HG, Zeweifel RG (eds.). *Reptiles and Amphibians*, pp 52–59, Smithmark, NY. **[1]**

Nussbaum RA. 2003. Parental care. *In* Sever DM (ed.). *Reproductive Biology and Phylogeny of Urodela*, pp. 527–612. Science Publishers, Enfield, New Hampshire. **[8]**

Nussbaum RA, Hinkel H. 1994. Revision of East African caecilians of the genera *Afrocaecilia* Taylor and *Boulengerula* Tornier (Amphibia: Gymnophiona: Caeciliaidae). *Copeia* 1994: 750–760. **[3]**

Nussbaum RA, Pfrender ME. 1998. Revision of the African caecilian genus *Schistometopum* Parker (Amphibia: Gymnophiona: Caeciliidae). *Miscellaneous Publications of the Museum of Zoology, University of Michigan* 187: 1–32. **[3]**

Nussbaum RA, Tait CK. 1977. Aspects of the life history and ecology of the Olympic salamander, *Rhyacotriton olympicus* (Gaige). *American Midland Naturalist* 98: 176–199. **[3]**

Nussbaum RA, Wilkinson M. 1989. On the classification and phylogeny of caecilians (Amphibia: Gymnophiona), a critical review. *Herpetological Monographs* 3: 1–42. **[3]**

Nussbaum RA, Wilkinson M. 1996. A new genus of lungless tetrapod: a radically divergent caecilian (Amphibia: Gymnophiona). *Proceedings of the Royal Society London B* 261: 331–335. **[3]**

Nussbaum RA, Wu SH. 2007. Morphological assessments and phylogenetic relationships of the Seychellean frogs of the family Sooglossidae (Amphibia: Anura). Zoological Studies 46, 322–335. **[3]**

O'Neill EM, Schwartz R, Bullock CT, Williams JS, Shaffer HB, Aguilar-Miguel X, Weisrock DW. 2013. Parallel tagged amplicon sequencing reveals major lineages and phylogenetic structure in the North American tiger salamander (*Ambystoma tigrinum*) species complex. *Molecular Ecology* 22: 111–129. **[3]**

O'Connor MP, Spotila JR. 1992. Consider a spherical lizard: Animals, models, and approximations. *American Zoologist* 32: 179–193. **[6]**

O'Donnell RP, Ford NB, Shine R, Mason RT. 2004. Male red-sided garter snakes, *Thamnophis sirtalis parietalis*, determine female mating status from pheromone trails. *Animal Behaviour* 68: 677–683. **[13]**

O'Reilly JC. 2000. Feeding in caecilians. *In* Schwenk, K (ed.). *Feeding: Form, Function, and Evolution in Tetrapod Vertebrates*, pp. 149–166. Academic Press, San Diego. **[3, 11]**

O'Reilly JC, Nussbaum RA, Boone D. 1996. Vertebrate with protrusible eyes. *Nature* 382: 33–33. **[3]**

O'Reilly JC, Ritter A, Carrier DR. 1997. Hydrostatic locomotion in a limbless tetrapod. *Nature* 386: 269–272. **[10]**

Oaks JR. 2011. A time-calibrated species tree of Crocodylia reveals a recent radiation of the true crocodiles. *Evolution* 65: 3285. **[4, 5]**

Oftedal OT, Allen ME, Chung AL, Reed RC, Ullrey DE. 1994. Nutrition, urates, and desert survival: Potassium and the desert tortoise (*Gopherus agassizii*). *In Annual Conference of the Association of Reptilian and Amphibian Veterinarians and the American Association of Zoo Veterinarians*, pp. 308–313. Pittsburgh, PA. **[6]**

Ohler A, Dubois A. 2006. Phylogenetic relationships and generic taxonomy of the tribe Paini (Amphibia, Anura, Ranidae, Dicroglossinae), with diagnoses of two new genera. *Zoosystema* 28: 769–784. **[3]**

Okajima Y, Kumazawa Y. 2009. Mitogenomic perspectives into iguanid phylogeny and biogeography: Gondwanan vicariance for the origin of Madagascan oplurines. *Gene* 441: 28–35. **[4]**

Okajima Y, Kumazawa Y. 2010. Mitochondrial genomes of acrodont lizards: Timing of gene rearrangements and phylogenetic and biogeographic implications. *BMC Evolutionary Biology* 10: 141. **[4]**

Olesen JM, Valido A. 2003. Lizards as pollinators and seed dispersers: An island phenomenon. *Trends in Ecology and Evolution* 18: 177–181. **[15]**

Oliver PM, Adams M, Lee MSY, Hutchinson MN, Doughty P. 2009. Cryptic diversity in vertebrates: Molecular data double estimates of species diversity in a radiation of

Australian lizards (Diplodactylus, Gekkota). *Proceedings of the Royal Society London B* 276: 2001–2007. **[4]**

Oliver PM, Bauer AM 2011. Systematics and evolution of the Australian knob-tail geckos (*Nephrurus*, Carphodactylidae, Gekkota): Plesiomorphic grades and biome shifts through the Miocene. *Molecular Phylogenetics and Evolution* 59: 664–674. **[4]**

Oliver PM, Sanders KL. 2009. Molecular evidence for Gondwanan origins of multiple lineages within a diverse Australasian gecko radiation. *Journal of Biogeography* 36: 2044–2055. **[4, 5]**

Olsson M. 1995. Forced copulation and costly female resistance behavior in the Lake Eyre dragon, *Ctenophorus maculosus*. *Herpetologica* 51: 19–24. **[14]**

Olsson M. 2001. No female choice in Mallee dragon lizards, *Ctenophorus fordi*. *Evolutionary Ecology* 15: 129–141. **[14]**

Olsson M, Madsen T. 1995. Female choice on male quantitative traits in lizards—why is it so rare? *Behavioral Ecology and Sociobiology* 36: 179–184. **[14]**

Olsson M, Madsen T. 1998. Sexual selection and sperm competition in reptiles. *In* Birkhead TR, Moller AP (eds.). *Sperm Competition and Sexual Selection*, pp. 503–578. Academic Press, San Diego CA. **[13, 14]**

Olsson M, Madsen T. 2001. Promiscuity in sand lizards (*Lacerta agilis*) and adder snakes (*Vipera berus*): Causes and consequences. *Journal of Heredity* 92: 190–197. **[14]**

Olsson M, Shine R. 1996. Does reproductive success increase with age or with size in species with indeterminate growth? A case study using sand lizards (*Lacerta agilis*). *Oecologia*105: 175–178. **[14]**

Olsson M, Shine R. 1997. The limits to reproductive output: Offspring size versus number in the sand lizard (*Lacerta agilis*). *American Naturalist* 149: 179–188. **[9]**

Olsson M, Shine R. 1998. Chemosensory mate recognition may facilitate prolonged mate guarding by male snow skinks, *Niveoscincus microlepidotus*. *Behavioral Ecology and Sociobiology* 43: 359–363. **[14]**

Olsson M, Shine R. 1998. Timing of parturition as a maternal care tactic in an alpine lizard species. *Evolution* 52: 1861–1864. **[9]**

Omland KS. 1998. Orientation based on ambient directional information by red-spotted newts (*Notophthalmus viridescens*). *Behaviour* 135: 757–775. **[12]**

Openshaw GH, Keogh JS. 2014. Head shape evolution in monitor lizards (*Varanus*): Interactions between extreme size disparity, phylogeny and ecology. *Journal of Evolutionary Biology* 27: 363–373. **[4]**

Ord TJ, Charles GK, Hofer RK. 2011. The evolution of alternative adaptive strategies for effective communication in noisy environments. *American Naturalist* 177: 54–64. **[13]**

Ord TJ, Peters RA, Clucas B, Stamps JA. 2007. Lizard speed up visual displays in noisy motion habitats. *Proceedings of the Royal Society London B* 274: 1057–1062. **[13]**

Ord TJ, Peters RA, Evans CS, Taylor AJ. 2002. Digital video playback and visual communication in lizards. *Animal Behaviour* 63: 879–890. **[13]**

Ord, TJ, Stamps JA, Losos JB. 2010. Adaptation and plasticity of animal communication in fluctuating environments. *Evolution* 64: 3134–3148. **[13]**

Orians GH, Janzen DH. 1974. Why are embryos so tasty? *American Naturalist* 108: 581–592. **[15]**

Orlov NL. 2011. Distribution, biology and comparative morphology of the snakes of *Xenopeltis* genus (Serpentes: Macrostomata: Xenopeltidae) in Vietnam. *Russian Journal of Herpetology* 7: 103–114. **[4]**

Orton G. 1953. The systematics of vertebrate larvae. *Systematic Zoology* 2: 63–75. **[3]**

Ossip-Klein AG, Fuentes, JA, Hews DK, Martins EP. 2013. Information content is more important than sensory system or physical distance in guiding the long-term evolutionary relationships between signaling modalities in *Sceloporus* lizards. *Behavioral Ecology and Sociobiology* 67: 1513–1522. **[13]**

Ota H, Honda M, Kobayashi M, Sengoku S, Hikida T. 1999. Phylogenetic relationships of eublepharid geckos (Reptilia: Squamata): A molecular approach. *Zoological Science* 16: 659–666. **[4]**

Ota H, Lin J-T, Hirata T, Chen S-L. 1997. Systematic review of colubrid snakes of the genus Pareas in the East Asian Islands. *Journal of Herpetology* 31: 79–87. **[4]**

Ott M. 2006. Visual accommodation in vertebrates: Mechanisms, physiological response and stimuli. *Journal of Comparative Physiology A* 192: 97–111. **[4]**

Ott M, Schaeffel F. 1995. A negatively powered lens in the chameleon. *Nature* 373: 692–694. **[11]**

Ouboter PE, Nanhoe LMR. 1988. Habitat selection and migration of *Caiman crocodilus crocodilus* in a swamp and swamp-forest habitat in northern Suriname. *Journal of Herpetology* 22: 283–294. **[12]**

Ousterhout BH, Liebgold EB. 2010. Dispersal versus site tenacity of adult and juvenile red-backed salamanders (*Plethodon cinereus*). *Herpetologica* 66: 269–275. **[12]**

Ovaska K, Hunte W. 1992. Male mating behavior of the frog *Eleutherodactylus johnstonei* (Leptodactylidae) in Barbados, West Indies. *Herpetologica* 48: 40–49. **[14]**

Owerkowicz T, Farmer CG, Hicks JW, Brainerd EL. 1999. Contribution of gular pumping to lung ventilation in monitor lizards. *Science* 284: 1661–1663. **[7]**

Paaijmans KP, Heinig RL, Seliga RA, Blanford JI, Blanford S, Murdock CC, Thomas MB. 2013. Temperature variation makes ectotherms more sensitive to climate change. *Global Change Biology* 19: 2373–2380. **[1]**

Pabijan M, Crottini A, Reckwell D, Irisarri I, Hauswaldt JS, Vences M. 2012. A multigene species tree for Western Mediterranean painted frogs (Discoglossus). *Molecular Phylogenetics and Evolution* 64: 690–696. **[3]**

Pabijan M, Spolsky C, Uzzell T, Szymura JM. 2008. Comparative analysis of mitochondrial genomes in *Bombina* (Anura; Bombinatoridae). *Journal of Molecular Evolution* 67: 246–256. **[3]**

Pabijan M, Wandycz A, Hofman S, Węcek K, Piwczyński M, Szymura JM. 2013. Complete mitochondrial genomes resolve phylogenetic relationships within *Bombina* (Anura: Bombinatoridae). *Molecular Phylogenetics and Evolution* 69: 63–74. **[3]**

Packard GC. 1999. Water relations of chelonian eggs and embryos: Is wetter better? *American Zoologist* 39: 289–303. **[7]**

Packard GC, Miller K, Packard MJ, Birchard GF. 1999. Environmentally induced variation in body size and condition in hatchling snapping turtles (*Chelydra serpentina*). *Canadian Journal of Zoology* 77: 278–289. **[7]**

Packard GC, Packard MJ. 2004. To freeze or not to freeze: Adaptations for overwintering by hatchlings of the North American painted turtle. *Journal of Experimental Biology* 207: 2897–2906. **[7]**

Packard GC, Tracy CR, Roth JJ. 1977. The physiological ecology of reptilian eggs and embryos, and the evolution of viviparity within the class Reptilia. *Biological Reviews of the Cambridge Philosophical Society* 52: 71–105. **[9]**

Packard MJ, Seymour RS. 1997. Evolution of the amniote egg. *In* Sumida SS, Martin KLM (eds.). *Amniote Origins*, pp. 265–290. Academic Press, London. **[7]**

Packard MJ, DeMarco VG. 1991. Eggshell structure and formation in eggs of oviparous reptiles. *In* Deeming DC, Ferguson MWJ (eds.). *Egg Incubation: Its Effects on Embryonic Development in Birds and Reptiles*, pp. 53–69. Cambridge University Press, Cambridge. **[9]**

Padial JM, Castroviejo-Fisher S, Köhler J, Domic E, De La Riva I. 2007. Systematics of the Eleutherodactylus fraudator species group (Anura: Brachycephalidae). *Herpetological Monographs*, 21: 213–240. **[3]**

Padial JM, Chaparro JC, Castroviejo-Fisher S, Guayasamin JM, Lehr E, Delgado AJ, Riva IDL. 2012. A revision of species diversity in the Neotropical genus *Oreobates* (Anura: Strabomantidae), with the description of three new species from the Amazonian slopes of the Andes. *American Museum Novitates* 3752: 1–55. **[3]**

Padial JM, Chaparro JC, De La Riva I. 2008. Systematics of *Oreobates* and the *Eleutherodactylus discoidalis* species group (Amphibia, Anura), based on two mitochondrial DNA genes and external morphology. *Zoological Journal of the Linnean Society 1*52: 737–773. **[3]**

Padian K, Chiappe LM. 1998. The origin and early evolution of birds. *Biological Reviews of the Cambridge Philosophical Society* 73: 1–42. **[2]**

Palci A, Caldwell MW. 2007. Vestigial forelimbs and axial elongation in a 95 million-year-old non-snake squamate. *Journal of Vertebrate Paleontology* 27: 1–7. **[4]**

Palci A, Caldwell MW, Albino AM. 2013. Emended diagnosis and phylogenetic relationships of the Upper Cretaceous fossil snake *Najash rionegrina* Apesteguía and Zaher, 2006. *Journal of Vertebrate Paleontology* 33: 131–140. **[4]**

Palmer BD, Guillette LJ Jr. 1988. Histology and functional morphology of the female reproductive tract of the tortoise *Gopherus polyphemus*. *American Journal of Anatomy* 183: 200–211. **[9]**

Palmer BD, Guillette LJ Jr. 1992. Alligators provide evidence for the evolution of an archosaurian mode of oviparity. *Biology of Reproduction* 46: 39–47. **[9]**

Papenfuss TJ. 1982. The ecology and systematics of the amphisbaenian genus *Bipes. Occasional Papers of the California Academy of Sciences* 136: 1–42. **[4]**

Parham JF, Feldman CR, Boore JL. 2006. The complete mitochondrial genome of the enigmatic bigheaded turtle (*Platysternon*): Description of unusual genomic features and the reconciliation of phylogenetic hypotheses based on mitochondrial and nuclear DNA. *BMC Evolutionary Biology* 6: 11. **[4]**

Park S-C, Park Y, Hahm K-S. 2011. The role of antimicrobial peptides in preventing multidrug–resistant bacterial infections and biofilm formation. *International Journal of Molecular Sciences* 12: 5971–5992. **[1]**

Parker HW, Grandison AGC.1977. *Snakes: A Natural History*, Second Ed. Cornell University Press, Ithaca, NY. **[11]**

Parker HW. 1934. *A Monograph of the Frogs of the Family Microhylidae.* British Museum (Natural History), London. **[3]**

Parker MR, Mason RT. 2012. How to make a sexy snake: Estrogen activation of female sex pheromone in male red-sided garter snakes. *Journal of Experimental Biology* 215: 723–730. **[13]**

Parker SL, Andrews RM. 2006. Evolution of viviparity in sceloporine lizards: *in utero* PO_2 as a developmental constraint during egg retention. *Physiological and Biochemical Zoology* 79: 581–592. **[9]**

Parker SL, Manconi F, Murphy CR, Thompson MB. 2010. Uterine and placental angiogenesis in the Australian skinks, *Ctenotus taeniolatus* and *Saiphos equalis*. *Anatomical Record* 293: 829–838. **[9]**

Parra-Olea G, Wake DB. 2001. Extreme morphological and ecological homoplasy in tropical salamanders. *Proceedings of the National Academy of Sciences USA* 98: 7888–7891. **[3]**

Parris KM, Velik-Lord M, North JMA. 2009. Frogs call at a higher pitch in traffic noise. *Ecology and Society* 14: 25. **[17]**

Parrish JM. 1986. Locomotor adaptations in the hindlimb and pelvis of *Thecodontia*. *Hunteria* 1: 1–35. **[2]**

Parsons TS, Williams EE. 1963. The relationships of the modern amphibians: A reevaluation. *Quarterly Review of Biology* 38: 26–33. **[2]**

Partecke J, von Haeseler A, Wilkelski M. 2002. Territory establishment in lekking marine iguanas, *Amblyrhynchus cristatus*: Support for the hotspot mechanism. *Behavioral Ecology and Sociobiology* 51: 579–587. **[14]**

Parzefall J. 2000. The olm (*Proteus anginus*). *In* Hofrichter R (ed.). *Amphibians: The World of Frogs, Toads, Salamanders and Newts*, p. 70. Firefly Books, Buffalo, NY. **[3]**

Pascual M, Macchi P, Urbanski J, Marcos F, Rossi CR, Novara M, Dell'Arciprete P. 2002. Evaluating potential effects of exotic freshwater fish from incomplete species presence–absence data. *Biological Invasions* 4: 101–113. **[3]**

Pašukonis A, Ringler M, Brandi HB, Mangione R, Ringler E, Hödl W. 2013. The homing frog: High homing performance in a territorial dendrobatid frog *Allobates femoralis* (Dendrobatidae). *Ethology* 119: 762–768. **[12]**

Patchell FC, Shine R. 1986a. Feeding mechanisms in pygopodid lizards: How can *Lialis* swallow such large prey? *Journal of Herpetology* 20: 59–64. **[4]**

Patchell FC, Shine R. 1986b. Hinged teeth for hard-bodied prey: A case of convergent evolution between snakes and legless lizards. *Journal of Zoology* 208: 269–275. **[4]**

Paton PW, Crouch WB III. 2002. Using the phenology of pond-breeding amphibians to develop conservation strategies. *Conservation Biology* 16: 194–204. **[17]**

Paton RL, Smithson TR, Clack JA. 1999. An amniote-like skeleton from the Early Carboniferous of Scotland, *Nature* 398: 508–513. **[2]**

Patterson JW, Davies PMC. 1978. Energy expenditure and metabolic adaptation during winter dormancy in the lizard *Lacerta vivipara* Jacquin. *Journal of Thermal Biology* 3: 183–186. **[7]**

Pattishall A, Cundall D. 2008. Dynamic changes in body form during swimming in the water snake *Nerodia sipedon*. *Zoology* 111: 48–61. **[10]**

Pauly GB, Hillis DM, Cannatella DC. 2004. The history of a nearctic colonization: molecular phylogenetics and biogeography of the Nearctic toads (*Bufo*). *Evolution*, 58: 2517–2535. **[3]**

Pauly GB, Hillis DM, Cannatella DC. 2009. Taxonomic freedom and the role of official lists of species names. *Herpetologica* 65: 115–128. **[3]**

Pavan D, Narvaes P, Rodrigues MT. 2001. A new species of leptodactylid frog from the Atlantic forests of southeastern Brazil with notes on the status and on the speciation of the *Hylodes* species groups. *Papéis Avulsos de Zoologia* 41, 407–425. **[3]**

Pearl CA, Cervantes M, Chan M, Ho U, Soji R, Thomas EO. 2000. Evidence for a mate-attracting chemosignal in the dwarf African clawed frog *Hymenochirus*. *Hormones and Behavior* 38: 67–74. **[13]**

Pearse DE, Avise JC. 2001. Turtle mating systems: Behavior, sperm storage, and genetic paternity. *Journal of Heredity* 92: 206–211. **[14]**

Pechmann JHK, Scott DE, Gibbons JW, Semlitsch RD. 1989. Influence of wetland hydroperiod on diversity and abundance of metamorphosing juvenile amphibians. *Wetlands Ecology and Management* 1: 3–11. **[16]**

Pechmann JHK, Scott DE, Semlitsch RD, Caldwell JP, Vitt LJ, Gibbons JW. 1991. Declining amphibian populations: The problem of separating human impacts from natural fluctuations. *Science* 253: 892–895. **[16]**

Pechmann JHK, Scott DE, Semlitsch RD, Caldwell JP, Vitt LJ, Gibbons JW. 1991. Declining amphibian populations: The problem of separating human impacts from natural fluctuations. *Science* 253: 892–895. **[17]**

Pellegrino KCM, Rodrigues MT, Yonenaga-Yassuda Y, Sites JW Jr. 2001. A molecular perspective on the evolution of microteiid lizards (Squamata, Gymnophthalmidae), and a new classification for the family. *Biological Journal of the Linnean Society* 74: 315–338. **[4]**

Pengilley R. 1992. Natural history of *Pseudophryne* spp. (Anura: Myobatrachidae) in the Southern Highlands of N.S.W. Australia. *Sydney Basin Naturalist* 1: 9–29. **[17]**

Penna M, Meier A. 2011. Vocal strategies in confronting interfering sounds by a frog from the southern temperate forest, *Batrachyla antartandica*. *Ethology* 117: 1147–1157. **[13]**

Penna M, Zúñiga D. 2014. Strong responsiveness to noise interference in an anuran from the southern temperate forest. *Behavioral Ecology and Sociobiology* 68: 85–97. **[13]**

Penner J, Wegmann M, Hillers A, Schmidt M, Rödel MO 2011. A hotspot revisited: A biogeographical analysis of West African amphibians. *Diversity and Distributions* 17: 1077–1088. **[5]**

Pérez i de Lanuza G, Carazo P, Fond E. 2014. Colours of quality: Structural (but not pigment) coloration informs about male quality in a polychromatic lizard. *Animal Behaviour* 90: 73–81. **[13]**

Pérez ME. 1998. Dieta y ciclo gametogénico anual de *Telmatobius coleus* (Anura: Leptodactylidae) en el Lago Titicaca. (Huinaimarca). Tesis de Licenciatura en Biología, Universidad Mayor de San Andras, La Paz, Bolivia. **[3]**

Pérez-Higareda G, Rangel-Rangel A, Smith HM, Chiszar D. 1989. Comments on the food and feeding habits of Morelet's crocodile. *Copeia* 1989: 1039–1041. **[11]**

Pérez-Mendoza HA, Zúñiga-Vega JJ, Zurita-Gutiérrez YH, Fornoni J, Solano-Zavaleta I, Hernández-Rosas AL, Molina-Moctezuma A. 2013. Demographic importance of the life-cycle components in *Sceloporus grammicus*. *Herpetologica* 69: 411–435. **[16]**

Perfit MR, Williams EE. 1989. Geological constraints and biological retrodictions in the evolution of the Caribbean sea and its islands. *In* Woods CA (ed.). *Biogeography of the West Indies, Past, Present, Future*, pp. 47–102. Sandhill Crane Press, Gainesville, FL. **[5]**

Perry G. 1999. The evolution of search modes: Ecological versus phylogenetic perspectives. *American Naturalist* 153: 98–109. **[12]**

Perry G, Garland T. Jr. 2002. Lizard home ranges revisited: Effects of sex, body size, diet, habitat, and phylogeny. *Ecology* 83: 1870–1885. **[12]**

Perry SF. 1998. Lungs: Comparative anatomy, functional morphology, and evolution. *In* Gans C, Gaunt AS (eds.). *Biology of the Reptilia, Vol. 19*, pp. 1–92. Society for the Study of Amphibians and Reptiles, Ithaca, NY. **[7]**

Persky, B, Smith HM, Williams KL. 1976. Additional observations on ophidian costal cartilages. *Herpetologica* 32: 399–401. **[4]**

Peters R, Hemmi J, Zell J. 2008. Image motion environments: Background noise for movement-based animal signals. *Journal of Comparative Physiology A* 194: 441–456. **[13]**

Peters RA, Hemmi JM, Zell J. 2007. Signaling against the wind: Modifying motion-signal structure in response to increased noise. *Current Biology* 17: 1231–1234. **[13]**

Peters RA. 2008. Environmental motion delays the detection of movement-based signals. *Biology Letters* 4: 2–5. **[13]**

Peters SE, Nishikawa KC. 1999. Comparison of isometric contractile properties of the tongue muscles in three species of frogs, *Litoria caerulea*, *Discophus guinetti*, and *Bufo marinus*. *Journal of Morphology* 242: 107–124. **[11]**

Peterson CC. 1996. Anhomeostasis: Seasonal water and solute relations in two populations of the desert tortoise (*Gopherus agassizii*) during chronic drought. *Physiological Zoology* 69: 1324–1358. **[6]**

Peterson CC, Gomez D. 2008. Buoyancy regulation in two species of freshwater turtle. *Herpetologica* 64: 141–148. **[7]**

Peterson CC, Greenshields D. 2001. Negative test for cloacal drinking in a semi-aquatic turtle (*Trachemys scripta*), with comments on the functions of cloacal bursae. *Journal of Experimental Zoology* 290: 247–254 **[7]**

Peterson JA. 1984. The locomotion of *Chamaeleo* (Reptilia: Sauria) with particular reference to the forelimb. *Journal of Zoology* 202: 1–42. **[10]**

Petranka JW, Thomas DAG. 1995. Explosive breeding reduces egg and tadpole cannibalism in the wood frog, *Rana sylvatica*. *Animal Behaviour* 50: 731–739. **[14]**

Petren K, Case TJ. 1996. An experimental demonstration of exploitation competition in an ongoing invasion. *Ecology* 77: 118–132. **[16]**

Pettit KE, Bishop CA, Brooks RJ. 1995. Home range and movements of the common snapping turtle, *Chelydra serpentina serpentina*, in a coastal wetland of Hamilton Harbour, Lake Ontario, Canada. *Canadian Field-Naturalist* 109: 192–200. **[12]**

Pezaro N, Doody JS, Green B, Thompson MB. 2013. Hatching and residual yolk internalization in lizards: Evolution, function and fate of the amnion. *Evolution and Development* 15: 87–95. **[9]**

Pfennig DW. 1997. Kinship and cannibalism. *Bioscience* 47: 667–675. **[15]**

Phillips BL, Brown GP, Webb JK, Shine R. 2006. Invasion and the evolution of speed in toads. *Nature* 439: 803. **[12]**

Phillips BL, Shine R. 2006. An invasive species indices rapid adaptive change in a native predator: Cane toads and blacksnakes in Australia. *Proceedings of the Royal Society London B* 273: 1545–1550. **[15]**

Phillips JA. 1995. Movement patterns and density of *Varanus albigularis*. *Journal of Herpetology* 29: 407–416. **[14]**

Phillips JA, Millar RP. 1998. Reproductive biology of the white-throated savanna monitor, *Varanus albigularis*. *Journal of Herpetology* 32: 366–377. **[14]**

Pianka ER. 1967. On lizard species diversity: North American flatland deserts. *Ecology* 48: 333–351. **[16]**

Pianka ER. 1986. *Ecology and Natural History of Desert Lizards*. Princeton University Press, Princeton, NJ. **[16]**

Pianka ER, Vitt LJ. 2003. *Lizards: Windows to the Evolution of Diversity*. University of California Press, Berkeley. **[1]**

Pierce SE, Ahlberg PE, Hutchinson JR, Molnar JL, Sanchez S, Tafforeau P, Clack JA. 2013. Vertebral architecture in the earliest stem tetrapods. *Nature* 494: 226–229. **[2]**

Pierce SE, Clack JA, Hutchinson JR. 2012. Three-dimensional limb joint mobility in the early tetrapod *Ichthyostega*. *Nature* 486: 523–526. **[2]**

Pimm SL, Russell GJ, Gittleman JL, Brooks TM. 1995. The future of biodiversity. *Science* 269: 347–350. **[17]**

Pincheira-Donoso D, Scolaro JA, Sura P. 2008. A monographic catalogue on the systematics and phylogeny of the South American iguanian lizard family Liolaemidae (Squamata, Iguania). *Zootaxa* 1800: 1–85. **[4]**

Pincheira-Donoso D, Tregenza T, Witt MJ, Hodgson DJ. 2013. The evolution of viviparity opens opportunities for lizard radiation but drives it into a climatic cul-de-sac. *Global Ecology and Biogeography* 22: 857–867. **[4]**

Pindell JL, Cande SC, Pitman III WC, Rowley DB, Dewey JF, LaBrecque J, Haxby W. (1988). A plate-kinematic framework for models of Caribbean evolution. *Tectonophysics* 155: 121–138. **[5]**

Pinder AW, Storey KB, Ultsch GR. (1992). Aestivation and hibernation. *In* Feder ME, Burggren WW (eds.). *Environmental Biology of the Amphibia*, pp. 250–274. University of Chicago Press, Chicago. **[7]**

Pinto-Sánchez NR, Ibáñez R, Madriñán S, Sanjur OI, Bermingham E, Crawford AJ. 2012. The Great American Biotic Interchange in frogs: Multiple and early colonization of Central America by the South American genus *Pristimantis* (Anura: Craugastoridae). *Molecular Phylogenetics and Evolution* 62: 954–972. **[3, 5]**

Pires Jr OR, Sebben A, Schwartz EF, Morales RA, Bloch Jr C, Schwartz CA. 2005. Further report of the occurrence of tetrodotoxin and new analogues in the anuran family Brachycephalidae. *Toxicon* 45: 73–79. **[3]**

Pizzatto L, Shine R. 2012. Lungworm infection modifies cardiac response to exercise in cane toads. *Journal of Zoology* 287: 150–155. **[15]**

Place AR, Lance VA. 2004. Thermal models of TSD under laboratory and field conditions. *In* Valenzuela N, Lance BA (eds.). *Temperature-Dependent Sex Determination in Vertebrates*, pp. 99–110. Smithsonian Institution Press, Washington, DC. **[9]**

Plasa L. 1979. Heimfindeverhalten bei *Salamandra salamandra* (L.). *Zeitschrift für Tierpsychologie* 51: 113–125. **[12]**

Platt SG, Thorbjarnarson JB, Rainwater TR, Martin DR. 2013. Diet of the American crocodile (*Crocodylus acutus*) in marine environments of coastal Belize. *Journal of Herpetology* 47: 1–10. **[15]**

Plummer MV, Mills NE. 2000. Spatial ecology and survivorship of resident and translocated hognose snakes (*Heterodon platyrhinos*). *Journal of Herpetology* 34: 565–575. **[12]**

Poe S. 2004. Phylogeny of anoles. *Herpetological Monographs* 18: 37–89. **[3, 4]**

Poe S. 2013. 1986 Redux: New genera of anoles (Squamata: Dactyloidae) are unwarranted. *Zootaxa* 3626: 295–299. **[4]**

Pokorna M, Kratochvil L. 2009. Phylogeny of sex-determining mechanisms in squamate reptiles: Are sex chromosomes and evolutionary trap? *Zoological Journal of the Linnean Society* 156: 168–183. **[9]**

Polis GA, Myers CA. 1985. A survey of intraspecific predation among reptiles. *Journal of Herpetology* 19: 99–107. **[15]**

Polo-Cavia M, López P, Martín J. 2013. Head coloration reflects health state in the red-eared slider *Trachemys scripta elegans*. *Behavioral Ecology and Sociobiology* 67: 153–162. **[13]**

Pombal JP Jr, Sazima I, Haddad CFB. 1994. Breeding behavior of the pumpkin toadlet, *Brachycephalus ephippium* (Brachycephalidae). *Journal of Herpetology*. 28: 516–519. **[3, 8, 13]**

Ponssa ML, Jowers MJ, de Sá RO. 2010. Osteology, natural history notes, and phylogenetic relationships of the poorly known Caribbean frog *Leptodactylus nesiotus* (Anura, Leptodactylidae). *Zootaxa* 2646: 1–25. **[3]**

Poo S, Bickford DP. 2013. The adaptive significance of egg attendance in a south-east Asian treefrog. *Ethology* 119: 671–679. **[8]**

Pook CE, Joger U, Stümpel N, Wüster W, 2009. When continents collide: phylogeny, historical biogeography and systematics of the medically important viper genus *Echis* (Squamata: Serpentes: Viperidae). *Molecular Phylogenetics and Evolution* 53: 792–807. **[5]**

Pope CH. 1958. Fatal bite of captive African rear-fanged snake (*Dispholidus*). *Copeia* 1958: 280–282. **[4, 11]**

Portik DM, Papenfuss TJ. 2012. Monitors cross the Red Sea: The biogeographic history of *Varanus yemenensis*. *Molecular Phylogenetics and Evolution* 62: 561–565. **[5]**

Poschadel JR, Mayer-Lucht Y, Plath M. 2006. Response to chemical cues from conspecifics reflects male mating preferences for large females and avoidance of large competitors in the European pond turtle, *Emys orbicularis*. *Behaviour* 143: 569–587. **[13]**

Poth D, Wollenberg KC, Vences M, Schulz S. 2012. Volatile amphibian pheromones: Macrolides from mantellid frogs from Madagascar. *Angewandte Chemie* 51: 2187–2190. **[13]**

Pough FH. 1969. The morphology of undersand respiration in reptiles. *Herpetologica* 25: 216–223. **[10]**

Pough FH. 1973. Lizard energetics and diet. *Ecology* 54: 837–844. **[15]**

Pough FH. 1976. Multiple cryptic effects of cross-banded and ringed patterns of snakes. *Copeia* 1976: 834–836. **[15]**

Pough FH. 1980. The advantage of ectothermy for tetrapods. *The American Naturalist* 115: 92–112. **[1]**

Pough FH. 1983. Amphibians and reptiles as low-energy systems. *In* Aspey WP. Lustick SI (eds.). *Behavioral Energetics*, pp. 141–188. Ohio State University Press, Columbus. **[1]**

Pough FH. 1988. Mimicry and related phenomena. *In* Gans C, Huey RB (eds.). *Biology of the Reptilia, Vol. 16: Ecology B, Defense and Life History*, pp. 153–234. Alan R. Liss, New York. **[15]**

Pough FH, Andrews RM, Cadle JE, Crump ML, Savitzky AH, Wells KD. 2004. *Herpetology*, Third Ed. Pearson Education, Upper Saddle River, NJ. **[15]**

Pough FH, Andrews RM. 1985a. Energy costs of subduing and swallowing prey for a lizard. *Ecology* 66: 1525–1531. **[7]**

Pough FH, Andrews RM. 1985b. Use of anaerobic metabolism by free-ranging lizards. *Physiological Zoology* 58: 205–213. **[7]**

Pough FH, Janis CM, Heiser JB. 2013. *Vertebrate Life*, Ninth Ed. Pearson, Boston. **[12]**

Pough FH, Magnusson WE, Wells KD, Taigen TL, Ryan MJ. 1992. Behavioral energetics. *In* Feder ME, Burggren WW (eds.). *Environmental Physiology of the Amphibia*, pp. 395–436. University of Chicago Press, Chicago. **[1, 7]**

Pough FH, Preest MR, Fusari MH. 1997. Prey-handling and the evolutionary ecology of sand-swimming lizards (*Lerista*: Scincidae). *Oecologia* 112: 351–361. **[4]**

Pough FH, Taigen TL, Stewart MM, Brussard PF. 1983. Behavioral modification of evaporative water loss by a Puerto Rican frog. *Ecology* 64: 244–252. **[6]**

Poulakakis N, Russello M, Geists D, Caccone A. 2012. Unravelling the peculiarities of island life: vicariance, dispersal and the diversification of the extinct and extant giant Galápagos tortoises. *Molecular Ecology* 21: 160–173. **[5]**

Pounds JA. 1988. Ecomorphology, locomotion, and microhabitat structure: Patterns in a tropical mainland *Anolis* community. *Ecological Monographs* 58: 299–320. **[16]**

Pounds JA, Crump ML. 1994. Amphibian declines and climate disturbance: The case of the golden toad and the harlequin frog. *Conservation Biology* 8: 72–85. **[1, 16, 17]**

Pounds JA, Fogden MPL, Campbell JH. 1999. Biological response to climate change on a tropical mountain. *Nature* 398: 611–615. **[16, 17]**

Pounds JA, Fogden MPL, Savage JM, Gorman GC. 1997. Tests of null models for amphibian declines on a tropical mountain. *Conservation Biology* 11: 1307–1322. **[16]**

Pounds JA, Fogden MPL, Savage JM, Gorman GC. 1997. Tests of null models for amphibian declines on a tropical mountain. *Conservation Biology* 11: 1307–1322. **[17]**

Povel D, Van Der Kooij J. 1997. Scale sensillae of the file snake (Serpentes: Acrochoridídae) and some other aquatic and burrowing snakes. *Netherlands Journal of Zoology* 47: 443–456. **[4]**

Poyarkov, NA, Che, J, Min, MS, Kuro-O, M, Yan, F, Li, C, Iizuka, K. 2012. Review of the systematics, morphology and distribution of Asian clawed salamanders, genus *Onychodactylus* (Amphibia, Caudata, Hynobiidae), with the description of four new species. *Zootaxa* 3465: 1–106. **[3]**

Poynton JC. 1964. The amphibia of southern Africa: A faunal study. *Annals of the Natal Museum* 17: 1–334. **[3]**

Poynton JC, Broadley DG. 1985. Amphibia Zambesiaca. 1. Scolecomorphidae, Pipidae, Microhylidae, Hemisidae, Arthroleptidae. *Annals of the Natal Museum* 26: 503–553. **[3]**

Poynton JC, Loader SP, Sherratt E, Clarke BT. 2007. Amphibian diversity in East African biodiversity hotspots: Altitudinal and latitudinal patterns. *Biodiversity Conservation* 16: 1103–1118. **[3]**

Pramuk JB. 2006. Phylogeny of South American *Bufo* (Anura: Bufonidae) inferred from combined evidence. *Zoological Journal of the Linnean Society* 146: 407–452. **[3]**

Pramuk JB, Robertson T, Sites Jr JW, Noonan BP. 2008. Around the world in 10 million years: biogeography of the nearly cosmopolitan true toads (Anura: Bufonidae). *Global Ecology and Biogeography* 17: 72–83. **[3, 5]**

Praschag P, Hundsdörfer AK, Fritz U. 2007. Phylogeny and taxonomy of endangered South and Southeast Asian freshwater turtles elucidated by mtDNA sequence variation (Testudines: Geoemydidae: *Batagur*, *Callagur*, *Hardella*, *Kachuga*, *Pangshura*). *Zoologica Scripta* 36: 429–442. **[4]**

Prates I, Antoniazzi MM, Sciani JM, Pimenta DC, Toledo LF, Haddad CFB, Jared C. 2012. Skin glands, poison and mimicry in dendrobatid and leptodactylid amphibians. *Journal of Morphology* 273: 279–290. **[15]**

Preest MR. 1991. Energetic costs of prey ingestion in a scincid lizard, *Scincella lateralis*. *Journal of Comparative Physiology B* 161: 327–332. **[7]**

Preest MR, Brust DG, Wygoda ML. 1992. Cutaneous water loss and the effects of temperature and hydration state on aerobic metabolism of canyon treefrogs, *Hyla arenicolor*. *Herpetologica* 48: 210–219. **[6]**

Preest MR, Pough FH. 1989. Interaction of temperature and hydration on locomotion of toads. *Functional Ecology* 3: 693–699. **[7]**

Pregill GK, Gauthier JA, Greene HW. 1986. The evolution of helodermatid squamates, with description of a new taxon and an overview of Varanoidea. *Transactions of the San Diego Society of Natural History* 21: 167–202. **[4]**

Pregill GK. 1992. Systematics of the West Indian lizard genus *Leiocephalus* (Squamata: Iguania: Tropiduridae). *Miscellaneous Publications of the University of Kansas Museum of Natural History* 84: 1–69. **[4]**

Preininger D, Boeckle M, Freudmann A, Starnberger I, Sztatecsny M, Hödl W. 2013a. Multimodal signaling in the small torrent frog (*Micrixalus saxicola*) in a complex acoustic environment. *Behavioral Ecology and Sociobiology* 67: 1449–1456. **[3, 13]**

Preininger D, Boeckle M, Sztatecsny M, Hödl W. 2013b. Divergent receiver responses to components of multimodal signals in two foot-flagging frog species. *PLoS One* 8: e55367. **[3]**

Presch W. 1974. Evolutionary relationships and biogeography of the macroteiid lizards (Family Teiidae, subfamily Teiinae). *Bulletin of the Southern California Academy of Sciences* 73: 23–32. **[4]**

Presch W. 1980. Evolutionary history of the South American microteiid lizards (Teiidae: Gymnophthalminae). *Copeia* 1980: 36–56. **[4]**

Prestwich KN. 1994. The energetics of acoustic signaling in anurans and insects. *American Zoologist* 34: 625–643. **[7, 13]**

Priest TE, Franklin CE. 2002. Effect of water temperature and oxygen levels on the diving behavior of two freshwater turtles, *Rheodytes leukops* and *Emydura macquarii*. *Journal of Herpetology* 36: 555–561. **[7]**

Pritchard PCH, Trebbau P. 1984. *The Turtles of Venezuela*. Society for the Study of Amphibians and Reptiles, Oxford, OH. **[4]**

Pryor GS, Bjorndal KA. 2005. Effects of the nematode *Gyrinicola batrachiensis* on development, gut morphology, and fermentation in bullfrog tadpoles (*Rana catesbeiana*): A novel mutualism. *Journal of Experimental Zoology* 303A: 704–712. **[15]**

Purgue AP. 1997. Tympanic sound radiation in the bullfrog *Rana catesbeiana*. *Journal of Comparative Physiology A* 181: 438–445. **[13]**

Putman NF, CS Endres, Lohmann CMF, Lohmann KJ. 2011. Longitude perception and bicoordinate magnetic maps in sea turtles. *Current Biology* 21: 463–466. **[12]**

Putman NF, Verley P, Shay TJ, Lohmann KJ. 2012. Simulating transoceanic migrations of young loggerhead turtle: Merging magnetic navigation behavior with an ocean circulation model. *Journal of Experimental Biology* 215: 1863–1870. **[12]**

Pyron RA. 2011. Divergence time estimation using fossils as terminal taxa and the origins of Lissamphibia. *Systematic Biology* 60: 446–481. **[2]**

Pyron RA. 2014. Biogeographic analysis reveals ancient continental vicariance and recent oceanic dispersal in amphibians. *Systematic Biology* 63: 779–797. **[3, 5]**

Pyron RA, Burbrink FT. 2009. Neogene diversification and taxonomic stability in the snake tribe Lampropeltini (Serpentes: Colubridae). *Molecular Phylogenetics and Evolution*. 52: 524–529. (PDF). **[4]**

Pyron RA, Burbrink FT. 2012. Extinction, ecological opportunity, and the origins of global snake diversity. *Evolution* 66: 163–178. **[4]**

Pyron RA, Burbrink FT, Colli GR, Montes de Oca AN, Vitt LJ, Kuczynski CA, Wiens JJ. 2011. The phylogeny of advanced snakes (Colubroidea), with discovery of a new subfamily and comparison of support methods for likelihood trees. *Molecular Phylogenetics and Evolution* 58: 329–342. **[4]**

Pyron RA, Burbrink FT, Wiens JJ. 2013a. A phylogeny and updated classification of Squamata, including 4161 species of lizards and snakes. *BMC Evolutionary Biology* 13: 93. **[4]**

Pyron RA, Hendry CR, Chou VM, Lemmon EM, Lemmon AR, Burbrink FT. 2014b. Effectiveness of phylogenomic data and coalescent species-tree methods for resolving difficult nodes in the phylogeny of advanced snakes (Serpentes: Caenophidia). *Molecular Phylogenetics and Evolution* 81: 221–231. **[4]**

Pyron RA, Kandambi HD, Hendry CR, Pushpamal V, Burbrink FT, Somaweera R. 2013b. Genus-level phylogeny of snakes reveals the origins of species richness in Sri Lanka. *Molecular Phylogenetics and Evolution* 66: 969–978. **[4]**

Pyron RA, Reynolds RG, Burbrink FT. 2014a. A taxonomic revision of boas (Serpentes: Boidae). *Zootaxa* 3846: 249–260. **[4]**

Pyron RA, Wallach VM. 2014. Systematics of the blindsnakes (Serpentes: Scolecophidia: Typhlopoidea) based on molecular and morphological evidence. *Zootaxa* 3829: 1–81. **[4]**

Pyron RA, Wiens JJ. 2011. A large-scale phylogeny of Amphibia including over 2800 species, and a revised classification of extant frogs, salamanders, and caecilians. *Molecular Phylogenetics and Evolution* 61: 543–583. **[3]**

Pyron RA, Wiens JJ. 2013. Large-scale phylogenetic analyses reveal the causes of high tropical amphibian diversity. *Proceedings of the Royal Society London B* 280: 20131622. **[16]**

Qian H, Wang X, Wang S, Li Y. 2007. Environmental determinants of amphibian and reptile species richness in China. *Ecography* 30: 471–482. **[16]**

Qualls CP, Shine R. 1995. The evolution of vivparity within the Australian scincid lizard *Lerista bougainvillii*. *Journal of Zoology, London* 237: 13–26. **[9]**

Qualls FJ, Shine R. 2000. Post-hatching environment contributes greatly to phenotypic variation between two populations of the Australian garden skink, *Lampropholis guichenoti*. *Biological Journal of the Linnean Society* 71: 315–341. **[9]**

Quinn VS, Hews DK. 2000. Signals and behavioural responses are not coupled in males: Aggression affected by replacement of an evolutionarily lost colour signal. *Proceedings of the Royal Society London B* 267: 755–758. **[13]**

Quintero I, Wiens JJ. 2013. Rates of projected climate change dramatically exceed past rates of climatic niche evolution among vertebrate species. *Ecology Letters* 16: 1095–1103. **[17]**

Quinzio SI, Fabrezi M, Faivovich J. 2006. Redescription of the tadpole of *Chacophrys pierottii* (Vellard, 1948) (Anura, Ceratophryidae). *South American Journal of Herpetology* 1: 202–209. **[3]**

Rabanal FE, Formas JR. 2009. Complementary diagnosis of the genus *Insuetophrynus* (Anura, Cycloramphidae) based on larval characters. *Zootaxa*. 2116, 59–67. **[3]**

Rabb GB, Rabb MS. 1963a. Additional observations on breeding behavior of the Surinam toad, *Pipa pipa*. *Copeia* 1963: 636–642. **[3]**

Rabb GB, Rabb MS. 1963b. On the behavior and breeding biology of the African pipid frog *Hymenochirus boettgeri. Zeitschrift fur Tierpsychologie* 20: 215–240. **[3]**

Radder RS, Pike DA, Quinn AE, Shine R. 2009. Offspring sex in a lizard depends on egg size. *Current Biology* 19: 1102–1105. **[9]**

Radder RS, Shine R. 2007. Why do female lizards lay their eggs in communal nests? *Journal of Animal Ecology*, doi: 10.1111/j.1365–2656.2007.01279. **[9]**

Radhakrishnan, C, Gopi, KC, Palot MJ. 2007. Extension of range of distribution of *Nasikabatrachus sahyadrensis* Biju Bossuyt (Amphibia: Anura: Nasikabatrachidae) along Western Ghats, with some insights into its bionomics. *Current Science* 92: 213–216. **[3]**

Rafferty AR, Evans RG, Scheelings TF, Reina RD. 2013. Limited oxygen availability in utero may constrain the evolution of live birth in reptiles. *American Naturalist* 181: 245–253. **[9]**

Rafferty AR, Reina RD. 2012. Arrested embryonic development: A review of strategies to delay hatching in egg-laying reptiles. *Proceeding of the Royal Society London B* 279: 2299–2308. **[9]**

Rage J-C. 1991. Gymnophionan Amphibia from the early Paleocene (Santa Lucia Formation) of Tiupampa (Bolivia): The oldest known Gymnophiona. *In* R. Suarez-Soruco (ed.). *Fosiles y Facies de Bolivia, Vol. 1: Vertebrados*, pp. 499–501. Yacimientos Petroliferos Fiscales Bolivianos, Santa Cruz, Bolivia. **[3]**

Rage J-C 1988. Gondwana, Tethys, and terrestrial vertebrates during the Mesozoic and Cainozoic. *Geological Society, London, Special Publications* 37: 255–273. **[5]**

Rage J-C, Buffetaut E, Buffetaut-Tong H, Chaimanee Y, Ducrocq S, Jaeger JJ, Suteethorn V. 1992. A colubrid snake in the late Eocene of Thailand: The oldest known Colubridae

(Reptilia, Serpentes). *Comptes rendus de l'Académie des sciences*. *Série 2, Mécanique, Physique, Chimie, Sciences de l'univers, Sciences de la Terre* 314: 1085–1089. **[4]**

Rage J-C, Prasad GVR. 1992. New snakes from the late Cretaceous (Maastrichtian) of Naskal, India. *Neue Jarbuch Geologiches Paläontologische Abhandlungen* 187: 83–97. **[4]**

Rage J-C, Richter A. 1995. A snake from the lower Cretaceous (Barremian) of Spain: The oldest-known snake. *Neue Jarbuch Geologiches Paläontologische Abhandlungen* 1994: 561–565. **[4]**

Rage J-C, Roček Z. 1989. Redescription of Triadobatrachus massinoti (Piveteau, 1936), an anuran amphibian from the early Triassic. *Palaeontographica Abstracts A* 206: 1–16. **[3]**

Rage J-C, Wouters G. 1979. Decouverte du plus ancien palaeopheide (Reptilia, Serpentes) dans le Maestrichtien du Maroc. *Geobios* 12: 293–296. **[4]**

Raharivololoniaina L, Grosjean S, Raminosoa NR, Glaw F, Vences M. 2006. Molecular identification, description, and phylogenetic implications of the tadpoles of 11 species of Malagasy treefrogs, genus *Boophis*. *Journal of Natural History* 40: 1449–1480. **[3]**

Rahbek C. 1995. The elevational gradient of species richness: A uniform pattern? *Ecography* 18: 200–205. **[16]**

Rand AS. 1964. Ecological distribution of anoline lizards in Puerto Rico. *Ecology* 45: 745–75. **[5]**

Rand AS. 1964. Inverse relationship between temperature and shyness in the lizard *Anolis lineatopus*. *Ecology* 45: 863–864. **[15]**

Rand AS, Dugan BA, Monteza H, Vianda D. 1990. The diet of a generalized folivore: *Iguana iguana* in Panama. *Journal of Herpetology* 24: 211–214. **[15]**

Rand AS, Greene HW. 1982. Latitude and climate in the phenology of reproduction in the green iguana, *Iguana iguana*. *In* Burghardt GM, Rand AS (eds.). *Iguanas of the World: Their Behavior, Ecology, and Conservation*, pp. 142–149. Noyes Publications, Park Ridge, NJ. **[9]**

Rannala B, Yang Z. 2013. Improved reversible jump algorithms for Bayesian species delimitation. *Genetics* 194: 245–253. **[5]**

Rao DQ, Wilkinson JA. 2008. Phylogenetic relationships of the mustache toads inferred from mtDNA sequences. *Molecular Phylogenetics and Evolution* 46: 61–73. **[3]**

Rasmussen AR, Ailiya M, Böhme W. 2001. A new species of the sea snake genus *Hydrophis* (Serpentes: Elapidae) from a river in west Kalimantan (Indonesia, Borneo). *Herpetologica*. 57: 23–32. **[4]**

Rastegar-Pouyani N. 2003. Ecology and conservation of the genus *Neurergus* in the Zagros Mountains, western Iran. *Froglog* (56): 1–2. **[17]**

Rawlings LH, Rabosky DL, Donnellan SC, Hutchinson MN. 2008. Python phylogenetics: Inference from morphology and mitochondrial DNA. *Biological Journal of the Linnean Society* 93: 603–619. **[4, 5]**

Raxworthy CJ, Pearson RG, Rabibisoa N, Rakotondrazafy AM, Ramanamanjato J-B, Raselimanana AP, Wu S, Nussbaum RA, Stone DA. 2008. Extinction vulnerability of tropical montane endemism from warming and upslope displacement: A preliminary appraisal for the highest massif in Madagascar. *Global Change Biology* 8: 1703–1720. **[17]**

Ray JM. 2012. Bridging the gap: Interspecific differences in cantilevering ability in a Neotropical arboreal snake assemblage. *South American Journal of Herpetology* 7: 35–40. **[10]**

Raynaud A. 1985. Development of limbs and embryonic limb reduction. *In* Gans C, Billett F (eds.). *Biology of the Reptilia, Vol. 15: Development B*, pp. 59–148. John Wiley & Sons, New York. **[9]**

Rayner JMV. 1981. Flight adaptations in vertebrates. *In* Day MH (ed.). *Vertebrate Locomotion. Symposium Zoological Society London*, 48, pp. 137–172. Academic Press, New York. **[10]**

Read MA, Grigg GC, Irwin SR, Shanahan D, Franklin CE. 2007. Satellite tracking reveals long distance coastal travel and homing by translocated estuarine crocodiles, *Crocodylus porosus*. *PLoS One* 2(9): e949.doi: 10.1371/journal.pone.0000949. **[12]**

Read, K, Keogh JS, Scott IA, Roberts JD, Doughty P. 2001. Molecular phylogeny of the Australian frog genera *Crinia*, *Geocrinia*, and allied taxa (Anura: Myobatrachidae). *Molecular Phylogenetics and Evolution* 21: 294–308. **[3]**

Readel AM, Phillips CA, Wetzel MJ. 2008. Leech parasitism in a turtle assemblage: Effects of host and environmental characteristics. *Copeia* 2008: 227–233. **[15]**

Reading CJ. 2007. Linking global warming to amphibian declines through its effects on female body condition and survivorship. *Oecologia* 151: 125–131. **[17]**

Reading CJ, Luiselli LM, Akani GC, Bonnet X, Amori G, Ballouard JM, Fillippi E, Naulleau G, Pearson D, Ruggiero L. 2010. Are snake populations in widespread decline? *Biology Letters* 6: 777–780. **[1, 17]**

Reagan DP. 1991. The response of *Anolis* lizards to hurricane-induced habitat changes in a Puerto Rican rain forest. *Biotropica* 23: 468–474. **[16]**

Recknagel H, Elmer KR, Noonan BP, Raselimanana AP, Meyer A, Vences M. 2013. Multi-gene phylogeny of Madagascar's plated lizards, *Zonosaurus* and *Tracheloptychus* (Squamata: Gerrhosauridae). *Molecular Phylogenetics and Evolution* 69: 1215–1221. **[4]**

Reeder TW, Cole CJ, Dessauer HC. 2002. Phylogenetic relationships of whiptail lizards of the genus *Cnemidophorus* (Squamata: Teiidae): A test of monophyly, reevaluation of karyotypic evolution, and review of hybrid origins. *American Museum Novitates* 3365: 1–61. **[4, 9]**

Reeder TW, Wiens JJ. 1996. Evolution of the lizard family Phrynosomatidae as inferred from diverse types of data. *Herpetological Monographs* 10: 43–84. **[4]**

Reeves MK, Jensen P, Dolph CL, Holyoak M, Trust, KA. 2010. Multiple stressors and the cause of amphibian abnormalities. *Ecological Monographs* 80: 423–440. **[17]**

Reeves MK, Medley KA, Pinkney AE, Holyoak M, Johnson PTJ, Lannoo MJ. 2013. Localized hotspots drive continental geography of abnormal amphibians on U.S. wildlife refuges. *PLoS One* 8(11): e77467. **[17]**

Refsnider JM. 2009. High frequency of multiple paternity in Blanding's turtle (*Emys blandingii*). *Journal of Herpetology* 43: 74–81. **[14]**

Refnsider JM, Daugherty CH, Godfrey SS, Keall SN, Moore JA, Nelson NJ. 2013. Patterns of nesting migrations in the tuatara (*Sphenodon punctatus*), a colonially nesting island reptile. *Herpetologica* 69: 282–290. **[1, 12]**

Refsnider JM, Daugherty CH, Keall SN, Nelson NJ. 2010. Nest-site choice and fidelity in tuatara on Stephens Island, New Zealand. *Journal of Zoology* 280: 396–402. **[1]**

Refsnider JM, Janzen FJ. 2012. Behavioural plasticity may compensate for climate change in a long-lived reptile with temperature-dependent sex determination. *Biological Conservation* 152: 90–95. **[9]**

Reichert MS. 2012. Visual cues elicit courtship signals in a nocturnal anuran. *Behavioral Ecology and Sociobiology* 67: 265–271. **[13]**

Reilly SM, Blob RW. 2003. Motor control of locomotor hindlimb posture in the American alligator (*Alligator mississippiensis*). *Journal of Experimental Biology* 206: 4327–4340. **[10]**

Reilly SM, Elias JA. 1998. Locomotion in *Alligator mississippiensis*: Kinematic effects of speed and posture and their relevance to the sprawling-to-erect paradigm. *Journal of Experimental Biology* 201: 2559–2574. **[10]**

Reilly SM, Jorgensen ME. 2011. The evolution of jumping in frogs: Morphological evidence for the basal anuran locomotor condition and the radiation of locomotor systems in crown group anurans. *Journal of Morphology* 272: 149–168. **[10]**

Reilly SM, McBrayer LD, Miles DB (eds.). 2007. *Lizard Ecology: The Evolutionary Consequences of Foraging Mode*. Cambridge University Press, Cambridge. **[7, 15]**

Reilly SM. 1994. The ecological morphology of metamorphosis: Heterochrony and the evolution of feeding mechanisms in salamanders. *In* Wainwright PC, Reilly SM (eds.). *Ecological Morphology: Integrative Organismal Biology*, pp. 319–338. University of Chicago Press, Chicago. **[8]**

Reilly SM, Montuelle SJ, Schmidt A, Naylor E, Jorgensen ME, Halsey LG, Essner RL Jr. 2015. Conquering the world in leaps and bounds: Hopping locomotion in toads is actually bounding. *Functional Ecology* doi: 10.1111/1365–2435.12414. **[10]**

Reinhard S, Voitel S, Kupfer A. 2013. External fertilization and paternal care in the paedomorphic salamander *Siren intermedia* Barnes, 1826 (Urodela: Sirenidae). *Zoologischer Anzeiger* 253: 1–5. **[8]**

Reinhard, S, Voitel, S, Kupfer, A. 2013. External fertilisation and paternal care in the paedomorphic salamander *Siren intermedia* Barnes, 1826 (Urodela: Sirenidae). *Zoologischer Anzeiger, A Journal of Comparative Zoology* 253: 1–5. **[3]**

Reis C, Spaethe J, Sztatecsny, Strondi, Hödl W. 2008. Turning blue and ultraviolet: Sex-specific colour change during the mating season in the Balkan moor frog. *Journal of Zoology* 276: 229–236. **[13]**

Reisz RR. 1981. *A Diapsid Reptile from the Pennsylvanian of Kansas*. University of Kansas Museum of Natural History Special Publication No. 7. **[2]**

Renesto S., Bernardi M. 2013. Redescription and phylogenetic relationships of *Megachirella wachtleri* Renesto et Posenato, 2003 (Reptilia, Diapsida). *Paläontologische Zeitschrift*. **[2]**

Renous S, Gasc J-P, Bels VL, Wicker R. 2002. Asymmetrical gaits of juvenile *Crocodylus johnstoni*, galloping Australian crocodiles. *Journal of Zoology, London* 256: 311–325. **[10]**

Renous S, Gasc JP, Raynaud A. 1991. Comments on the pelvic appendicular vestiges in an amphisbaenian: *Blanus cinereus* (Reptilia, Squamata). *Journal of Morphology* 209: 23–38. **[4]**

Repérant J, Rio JP, Ward R, Miceli D, Médina M. 1992. Comparative analysis of the primary visual system of reptiles. *In* Gans C, Ulinski PS (eds.). *Biology of the Reptilia, Vol. 17: Sensorimotor Integration*, pp. 175–240. University of Chicago Press, Chicago. **[4]**

Repérant J, Ward R, Miceli D, Rio JP, Médina M, Kenigfest NB, Vesselkin NP. 2006. The centrifugal visual system of vertebrates: A comparative analysis of its functional anatomical organization. *Brain Research Reviews* 52: 1–57. **[4]**

Resetarits WJ Jr, Wilbur HM. 1989. Choice of oviposition site by *Hyla chrysoscelis*: Role of predators and competitors. *Ecology* 70: 220–228. **[16]**

Ressel SJ. 1996. Ultrastructural properties of muscles used for calling in neotropical frogs. *Physiological Zoology* 69: 952–973. **[7]**

Retallick RWR, McCallum H, Speare R. 2004. Endemic infection of the amphibian chytrid fungus in a frog community post-decline. *PLoS Biology* 2, e351, 1965–1971. Doi: 310.1371/journal.pbio.0020351. **[17]**

Reyes-Velasco J, Card DC, Andrew A, Shaney KJ, Adams RH, Schield DR, Casewell NR, Mackessy SP, Castoe TA. 2015. Expression of venom gene homologs in diverse python tissues suggests a new model for the evolution of snake venom. *Molecular Biology and Evolution* 32: 173–183. **[11]**

Reynolds RG, Niemiller ML, Revell LJ. 2014. Toward a tree-of-life for the boas and pythons: Multilocus species-level phylogeny with unprecedented taxon sampling. *Molecular Phylogenetics and Evolution* 71: 201–213. **[4]**

Reynolds SJ, Christian KA, Tracy CR. 2010. The cocoon of the fossorial frog *Cyclorana australis* functions primarily as a barrier to water exchange with the substrate. *Physiological and Biochemical Zoology* 83: 877–884. **[6]**

Rhen T, Lang JW. 1995. Phenotypic plasticity for growth in the common snapping turtle: Effects of incubation temperature, clutch, and their interaction. *American Naturalist* 146: 726–747. **[9]**

Rhen T, Lang JW. 1998. Among-family variation for environmental sex determination in reptiles. *Evolution* 52: 1514–1520. **[9]**

Rhen T, Lang JW. 2004. Phenotypic effects of incubation temperature in reptiles. *In* Valenzuela N, Lance BA (eds.). *Temperature-Dependent Sex Determination in Vertebrates*, pp. 90–98. Smithsonian Institution Press, Washington, DC. **[9]**

Richards CT. 2010. Kinematics and hydrodynamics analysis of swimming anurans reveals striking interspecific differences in the mechanism for producing thrust. *Journal of Experimental Biology* 213: 621–634. **[10]**

Richards SJ, McDonald KR, Alford RA. 1993. Declines in populations of Australia's endemic tropical rainforest frogs. *Pacific Conservation Biology* 1: 66–77. **[17]**

Richards-Zawacki CL, Wang IJ, Summers K. 2012. Mate choice and the genetic basis for colour variation in a polymorphic dart frog: Inferences from a wild pedigree. *Molecular Ecology* 21: 3879–3892. **[13]**

Richardson C, Gomez D, Durieux R, Thiery M, Joly P, Léna J-P, Plénet S, Lengagne T. 2010. Hearing is not necessarily believing in nocturnal anurans. *Biology Letters* 6: 633–635. **[13]**

Richardson JL. 2012. Divergent landscape effects on population connectivity in two co-occurring amphibian species. *Molecular Ecology* 21: 4437–4451. **[12]**

Richardson MK. 1995. Heterochrony and the phylotypic period. *Developmental Biology* 172: 412–421. **[9]**

Richmond JQ, Wood DA, Stanford JW, Fisher RN. 2014. Testing for multiple invasion routes and source populations for the invasive brown treesnake (*Boiga irregularis*) on Guam: Implications for pest management. *Biological Invasions* 17: 337–349. **[5]**

Rieppel O. 1987. The phylogenetic relationships within the Chamaeleontidae, with comments on some aspects of cladistic analysis. *Zoological Journal of the Linnean Society* 89: 41–62. **[4]**

Rieppel O. 1988. A review of the origin of snakes. *Evolutionary Biology* 22: 37–130. **[4]**

Rieppel O. 2000. Turtles as diapsid reptiles. *Zoologica Scripta* 29: 199–212. **[2]**

Rieppel O, Grande L. 1998. A well-preserved fossil amphiumid (Lissamphibia: Caudata) from the Eocene Green River Formation of Wyoming. *Journal of Vertebrate Paleontology* 18: 700–708. **[3]**

Rieppel O, Zaher H. 2000a. The braincases of mosasaurs and *Varanus*, and the relationships of snakes. *Zoological Journal of the Linnean Society* 129: 489–514. **[4]**

Rieppel O, Zaher H. 2000b. The intramandibular joint in squamates, and the phylogenetic relationships of the fossil snake *Pachyrhachis problematicus* Haas. *Fieldiana* 43: 1–69. **[4]**

Rismiller PD, McKelvey MW, Green B. 2010. Breeding phenology and behavior of Rosenberg's goanna (*Varanus rosenbergi*) on Kangaroo Island, South Australia. *Journal of Herpetology* 44: 399–408. **[9]**

Rittenhouse DR, Russell AP, Bauer AM. 1998. The larynx and trachea of the barking gecko, *Ptenopus garrulus maculatus* (Reptilia: Gekkonidae) and their relation to vocalization. *South African Journal of Zoology* 33: 23–30. **[13]**

Rittenhouse TAG, Semlitsch RD. 2006. Grasslands as movement barriers for a forest-associated salamander: Migration behavior of adult and juvenile salamanders at a distinct habitat edge. *Biological Conservation* 131: 14–22. **[12]**

Rittenhouse TAG, Semlitsch RD, Thompson FR. 2009. Survival costs associated with wood frog breeding migrations: Effects of timber harvest and drought. *Ecology* 90: 1620–1630. **[12]**

Rivas JA. 1998. Predatory attack of a green anaconda (*Eunectes murinus*) on an adult human. *Herpetological Natural History* 6: 157–159. **[4]**

Rivera G, Rivera ARV, Blob RW. 2011. Hydrodynamic stability of the painted turtle (*Chrysemys picta*): effects of four-limbed rowing *versus* forelimb flapping in rigid-bodied tetrapods. *Journal of Experimental Biology* 214: 1153–1162. **[10]**

Rivera G, Rivera ARV, Dougherty EE, Blob RW. 2006. Aquatic turning performance of painted turtles (*Chrysemys picta*) and functional consequences of a rigid body design. *Journal of Experimental Biology* 209: 4203–4213. **[10]**

Rivera G, Savitzky AH, Hinkley JA. 2005. Mechanical properties of the integument of the common gartersnake, *Thamnophis sirtalis* (Serpentes: Colubridae). *Journal of Experimental Biology* 208: 2913–2922. **[11]**

Rivera PC, Gardenal CN, Chiaraviglio M. 2006. Sex-biased dispersal and high levels of gene flow among local populations of the Argentine boa constrictor, *Boa constrictor occidentalis*. *Austral Ecology* 31: 948–955. **[12]**

Robb J. 1966. The generic status of the Australasian typhlopids (Reptilia: Squamata). *Annals and Magazine of Natural History* 13: 675–679. **[4]**

Robert KA, Bronikowski AM. 2010. Evolution of senescence in nature: Physiological evolution in populations with divergent life histories. *American Naturalist* 175: 147–159. **[9]**

Roberts JA, Lillywhite HB. 1980. Lipid barrier to water exchange in reptile epidermis. *Science* 207: 1077–1079. **[6]**

Roberts JA, Lillywhite HB. 1983. Lipids and the permeability of epidermis from snakes. *Journal of Experimental Zoology* 228: 1–9. **[6]**

Roberts JD. 1981. Terrestrial breeding in the Australian leptodactylid frog *Myobatrachus gouldii* (Gray). *Australian Wildlife Research* 8: 451–462. **[8]**

Roberts JD, Byrne PG. 2011. Polyandry, sperm competition, and the evolution of anuran amphibians. *Advances in the Study of Behavior* 43: 1–53. **[14]**

Roberts JD, Standish RJ, Byrne PG, Doughty P. 1999. Synchronous polyandry and multiple paternity in the frog *Crinia georgiana* (Anura: Myobatrachidae). *Animal Behaviour* 57: 721–726. **[14]**

Roberts TJ, Marsh RL. 2003. Probing the limits to muscle-powered accelerations: Lessons from jumping bullfrogs. *Journal of Experimental Biology* 206: 2567–2580. **[10]**

Roberts WE. 1994. Explosive breeding aggregations and parachuting in a Neotropical frog, *Agalychnis saltator* (Hylidae). *Journal of Herpetology* 28: 193–199. **[14]**

Robertson AV, Ramsden C, Niedzwiecki J, Fu J, Bogart JP. 2006. An unexpected recent ancestor of unisexual *Ambystoma*. *Molecular Ecology 1*5: 3339–3351. **[3]**

Robovska-Havelkova P, Aerts P, Rocek Z, Prikryl T, Fabre A-C, Herrel A. 2014. Do all frogs swim alike? The effect of ecological specialization on swimming kinematics in frogs. *Journal of Experimental Biology* 217: 3637–3644. **[10]**

Roček Z. 2000. Mesozoic anurans. *In* Heatwole H, Carroll RL (eds.). *Amphibian Biology, Vol. 4: Palaeontology, the Evolutionary History of Amphibians*, pp. 1295–1331. Surrey Beatty Sons, Chipping Norton, New South Wales, Australia. **[3]**

Roček Z. 2013. Mesozoic and Tertiary Anura of Laurasia. *Palaeobiodiversity and Palaeoenvironments* 93: 397–439. **[3]**

Roček Z, Rage J-C. 2000. Tertiary Anura of Europe, Africa, Asia, North America, and Australia. *In* Heatwole H, Carroll RL (eds.). *Amphibian Biology, Vol. 4: Palaeontology, the Evolutionary History of Amphibians*, pp. 1332–1387. Surrey Beatty Sons, Chipping Norton, New South Wales, Australia. **[3]**

Rocha-Miranda F, Martins Silva MJ, Mendonca AF. 2006. First occurrence of Bull Frogs (*Rana catesbeiana*) in Federal District, Central Brazil. *Froglog* 2006: 1–4. **[17]**

Rodda GH. 1985. Navigation in juvenile alligators. *Zeitschrift für Tierpsychologie* 68: 65–77. **[12]**

Rodda GH. 1992. Loss of native reptiles associated with introductions of exotics in the Mariana Islands. *Pacific Science* 46: 399–400. **[17]**

Rodda GH. 1992. The mating behavior of *Iguana iguana*. *Smithsonian Contributions to Zoology* 534: 1–40. **[14]**

Rodda GH, Fritts TH. 1992. The impact of the introduction of the colubrid snake *Boiga irregularis* on Guam's lizards. *Journal of Herpetology* 26: 166–174. **[17]**

Rödder D, Lötters S. 2009. Niche shift versus niche conservatism? Climatic characteristics of the native and invasive ranges of the Mediterranean house gecko (*Hemidactylus turcicus*). *Global Ecology and Biogeography* 18: 674–687. **[5]**

Rödel MO. 1998. A reproductive mode so far unknown in African ranids: *Phrynobatrachus guineensis* Guibe & Lamotte, 1961 breeds in tree holes. *Herpetozoa* 11: 19–26. **[8]**

Rödel MO, Ernst R. 2001. Redescription of the tadpole of *Phlyctimantis boulengeri* Perret 1986 (Anura, Hyperoliidae) with preliminary comments on the biology of the species. *Alytes* 18: 178–186. **[3]**

Rödel MO, Ernst R. 2002a. A new *Phrynobatrachus* from the Upper Guinean rain forest, West Africa, including a description of a new reproductive mode for the genus. *Journal of Herpetology* 36: 561–571. **[3]**

Rödel MO, Ernst R. 2002b. A new reproductive mode for the genus *Phrynobatrachus*: *Phrynobatrachus alticola* has nonfeeding, nonhatching tadpoles. *Journal of Herpetology* 36: 121–125. **[3]**

Rödel MO, Kosuch J, Grafe TU, Boistel R, Assemian NE, Kouamé NG, Veith M. 2009. A new treefrog genus and species from Ivory Coast, West Africa (Amphibia: Anura: Hyperoliidae). *Zootaxa* 2044: 23–45. **[3]**

Rodrigues AP, Giaretta AA, da Silva DR, Facure KG. 2011. Reproductive features of three maternal-caring species of *Leptodactylus* (Anura: Leptodactylidae) with a report on alloparental care in frogs. *Journal of Natural History* 45: 2037–2047. **[8]**

Rodríguez-Díaz T, Braña F. 2011. Shift in thermal preferences of female oviparous common lizards during egg retention: Insights into the evolution of reptilian viviparity. *Evolutionary Biology* 38: 352–359. **[9]**

Rodríguez-Robles JA, Leal M, Losos JB. 2005. Habitat selection by the Puerto Rican yellow-chinned anole, *Anolis gundlachi*. *Canadian Journal of Zoology* 83: 983–988. **[5]**

Rodríguez-Rodríguez MC, Jordano P, Valido A. 2013. Quantity and quality components of effectiveness in insular pollinator assemblages. *Oecologia* 173: 179–190. **[15]**

Roe JH, Frank MR, Gibson SE, Attum O, Kingsbury BA. 2010. No place like home: An experimental comparison of reintroduction strategies using snakes. *Journal of Applied Ecology* 47: 1253–1261. **[12]**

Roelants K, Bossuyt F. 2005. Archaeobatrachian paraphyly and Pangaean diversification of crown-group frogs. *Systematic Biology 5*4: 111–126. **[3, 5]**

Roelants K, Gower DJ, Wilkinson M, Loader SP, Biju SD, Guillaume, K, Bossuyt F. 2007. Global patterns of diversification in the history of modern amphibians. *Proceedings of the National Academy of Sciences USA* 104: 887–892. **[3]**

Roessler MK, Smith HM, Chiszar D. 1990. Bidder's organ: A bufonid by-product of the evolutionary loss of hyperfecundity. *Amphibia-Reptilia* 11: 225–235. **[3]**

Rogge JR, Warkentin KM. 2008. External gills and adaptive embryo behavior facioitate synchronous development and hatching plasticity under respiratory constraint. *Journal of Experimental Biology* 211: 3627–3635. **[7]**

Rohr JR, Palmer BD. 2013. Climate change, multiple stressors, and the decline of ectotherms. *Conservation Biology* 27: 741–751. **[17]**

Rojas B, Endler JA. 2013. Sexual dimorphism and intra-populational colour pattern variation in the aposematic frog *Dendrobates tinctorius*. *Evolutionary Ecology* 27: 739–753. **[13]**

Rojas B. 2014. Strange parental decisions: Fathers of the dyeing poison frog deposit their tadpoles in pools occupied by large cannibals. *Behavioral Ecology and Sociobiology*. doi: 10.1007/s00265-013–1670-y **[15]**

Rollins-Smith LA, Conlon JM. 2005. Antimicrobial peptide defenses against chytridiomycosis, an emerging infectious disease of amphibian populations. *Developmental and Comparative Immunology* 29: 589–598. **[17]**

Rollmann SM, Houck LD, Feldhoff RC. 1999. Proteinaceous pheromone affecting female receptivity in a terrestrial salamander. *Science* 285: 1907–1909. **[13]**

Rollmann SM, Houck LD, Feldhoff RC. 2003. Conspecific and heterospecific pheromone effects on female receptivity. *Animal Behaviour* 66: 857–861. **[13]**

Romer AS. 1944 The Permian cotylosaur *Diadectes tenuitectus. American Journal of Science* 242: 139–144. **[2]**

Romer AS, Price LI. 1940. Review of the Pelycosauria. *Geological Society of America Special Paper 26*. **[2]**

Rose FL. 1980. Turtles in arid and semi-arid regions. *Bulletin of the Ecological Society of America* 61: 89. **[7]**

Rosenblum EB and 19 others. 2013. Complex history of the amphibian-killing chytrid fungus revealed with genome resequencing data. *Proceedings of the National Academy of Sciences USA* 110: 9385–9390. **[17]**

Rosenthal GG, Rand AS, Ryan MJ. 2004. The vocal sac as a visual cue in anuran communication: An experimental analysis using video playback. *Animal Behaviour* 68: 55–68. **[13]**

Ross P, Crews D. 1977. Influence of the seminal plug on mating behaviour in the garter snake. *Nature* 267: 344–345. **[13]**

Rosset, SD, Ferraro, DP, Alcalde, L, Basso, NG. 2007. A revision of *Odontophrynus barrioi* (Anura: Neobatrachia): Morphology, osteology, vocalizations, and geographic distribution. *South American Journal of Herpetology* 2: 97–106. **[3]**

Rossman DA. 1996. *The Garter Snakes*: *Evolution and Ecology*. University of Oklahoma Press, Norman, OK. **[4]**

Roth ED. 2005. Spatial ecology of a cottonmouth (*Agkistrodon piscivorus*) population in East Texas. *Journal of Herpetology* 39: 308–312. **[12]**

Roth G. 1986. Neural mechanisms of prey recognition: An example in amphibians. *In* Feder ME, Lauder GV (eds.). *Predator-prey Relationships: Perspectives and Approaches from the Study of Lower Vertebrates*, pp. 42–68. University of Chicago Press, Chicago. **[15]**

Roth G, Dicke U, Wiggers W. 1998. Vision. *In* Heatwole H, Dawley EM (eds.). *Amphibian Biology, Vol. 3, Sensory Perception.* Surrey Beatty and Sons, Chipping Norton, New South Wales, Australia. **[13]**

Rougier GW, de la Fuente MS, Arcucci AB. 1995. Late Triassic turtles from South America. *Science* 268: 855–858. . **[4]**

Rovito SM, Parra-Olea G, Hanken J, Bonett RM, Wake DB 2013. Adaptive radiation in miniature: The minute salamanders of the Mexican highlands (Amphibia: Plethodontidae: *Thorius*). *Biological Journal of the Linnean Society* 109: 622–643. **[3]**

Rovito SM, Parra-Olea G, Vásquez-Almazán CR, Luna-Reyes, R, Wake DB. 2012a. Deep divergences and extensive phylogeographic structure in a clade of lowland tropical salamanders. *BMC Evolutionary Biology* 12: 255. **[3, 5]**

Rovito SM, Parra-Olea G, Vásquez-Almazán CR, Papenfuss TJ, Wake DB. 2009. Dramatic declines in neotropical salamander populations are an important part of the global amphibian crisis. *Proceedings of the National Academy of Sciences USA* 106: 3231–3236. **[3]**

Rovito SM, Wake DB, Papenfuss TJ, Parra- Olea G, Muñoz- Alonso A, Vásquez-Almazán CR. 2012b. Species formation and geographical range evolution in a genus of Central

American cloud forest salamanders (*Dendrotriton*). *Journal of Biogeography* 39: 1251–1265. **[3, 5]**

Rovito SM. 2010. Lineage divergence and speciation in the web-toed salamanders (Plethodontidae: *Hydromantes*) of the Sierra Nevada, California. *Molecular Ecology* 19: 4554–4571. **[3]**

Rowe JW, Moll EO. 1991. A radiotelemetric study of activity and movements of the Blanding's turtle (*Emydoidea blandingi*) in northeastern Illinois. *Journal of Herpetology* 25: 178–185. **[12]**

Roy D, Borah B, Sarma A. 1995. Analysis and significance of female reciprocal call in frogs. *Current Science* 69: 265–270. **[13]**

Royle NJ, Smiseth PT, Kölliker M (eds.). 2012. *The Evolution of Parental Care*. Oxford University Press, Oxford. **[8]**

Ruben JA, Battalia DE. 1979. Aerobic and anaerobic metabolism during activity in small rodents. *Journal of Experimental Zoology* 208: 73–76. **[7]**

Ruben JA, Boucot A. 1989. The origin of the lungless salamanders (Amphibia: Plethodontidae). *American Naturalist* 134: 161–169. **[3]**

Ruben JA, Reagan NL, Verrell PA, Boucot AJ. 1993. Plethodontid salamander origins: A response to Beachy and Bruce. *American Naturalist* 142: 1038–1051. **[3]**

Ruby DE, Niblick HA. 1994. A behavioral inventory of the desert tortoise: Development of an ethogram. *Herpetological Monographs* 8: 88–102. **[13]**

Ruby DE, Niblick HA. 1994. A behavioral inventory of the desert tortoise: Development of an ethogram. *Herpetological Monographs* 8: 88–102. **[14]**

Rugiero L, Milana G, Petrozzi F, Capula M, Luiselli L. 2013. Climate-change-related shifts in annual phenology of a temperate snake during the last 20 years. *Acta Oecologica* 51: 42–48. **[17]**

Ruibal R, Ernst V. 1965. The structure of the digital setae of lizards. *Journal of Morphology* 117: 271–294. **[4]**

Ruibal R, Tevis L Jr., Roig V. 1969. The terrestrial ecology of the spadefoot toad *Scaphiopus hammondii*. *Copeia* 1969: 571–584. **[6]**

Ruiz-Carranza PM, Hernández-Camacho JI. 1976. *Osornophryne*, genero nuevo de anfibios bufonidos de Colombia y Ecuador. *Caldasia* 11: 93–148. **[8]**

Runkle LS, Wells KD, Robb CC, Lance SL. 1994. Individual, nightly, and seasonal variation in calling behavior of the gray treefrog, *Hyla versicolor*: Implications for energy expenditure. *Behavioral Ecology* 5: 318–325. **[14]**

Russell AP. 1975. A contribution to the functional analysis of the foot of the Tokay, *Gekko gecko* (Reptilia: Gekkonidae). *Journal of Zoology* 176: 437–476. **[10]**

Russell AP. 1979a. Parallelism and integrated design in the foot structure of gekkonine and diplodactyline geckos *Copeia* 1979: 1–21. **[10]**

Russell AP. 1979b. The origin of parachuting locomotion in gekkonid lizards (Reptilia: Gekkonidae). *Zoological Journal of the Linnean Society* 65: 233–249. **[10]**

Russell AP. 1981. Descriptive and functional anatomy of the digital vascular system of the tokay, *Gekko gecko*. *Journal of Morphology* 169: 293–323. **[10]**

Russell AP. 1986. The morphological basis of weight-bearing in the scansors of the tokay gecko (Reptilia: Sauria). *Canadian Journal of Zoology* 64: 948–955. **[10]**

Russell AP, Bauer AM, Johnson MK. 2005. Migration in amphibians and reptiles: An overview of patterns and orientation mechanisms in relation to life history strategies. *In* Elewa MT (ed.). *Migration of Organisms*, pp. 151–203. Springer-Verlag, New York. **[12]**

Russell AP, Bauer AM. 1990. Digit I in pad-bearing gekkonine geckos: Alternate designs and the potential constraints of phalangeal number. *Memoirs of the Queensland Museum* 29: 453–472. **[10]**

Russell AP, Dijkstra LD, Powell GL. 2001. Structural characteristics of the patagium of *Ptychozoon kuhli* (Reptilia: Gekkonidae) in relation to parachuting locomotion. *Journal of Morphology* 247: 252–263. **[10]**

Ruta M, Coates MI. 2007. Dates, nodes and character conflict: Addressing the lissamphibian origin problem. *Journal of Systematic Palaeontology* 5: 69–122. **[2]**

Ryan MJ. 1985. *The Túngara Frog.* University of Chicago Press, Chicago. **[15]**

Ryan MJ, Lips KR, Eichholz MW. 2008. Decline and extirpation of an endangered Panamanian stream frog population (*Craugastor punctariolus*) due to an outbreak of chytridiomycosis. *Biological Conservation* 141: 1636–1647. **[17]**

Ryan MJ, Rand AS. 2003. Sexual selection in female perceptual space: How female túngara frogs perceive and respond to complex population variation in acoustic mating signals. *Evolution* 57: 2608–2618. **[14]**

Ryan MJ, Tuttle MD, Taft LK. 1981. The costs and benefits of frog chorusing behavior. *Behavioral Ecology and Sociobiology* 8: 273–278. **[13]**

Ryan TJ, Semlitsch RD. 1998. Intraspecific heterochrony and life history evolution: Decoupling somatic and sexual development in a facultatively paedomorphic salamander. *Proceedings of the National Academy of Sciences USA* 95: 5643–5648. **[8]**

Ryan TJ, Winne CT. 2001. Effects of hydroperiod on metamorphosis in *Rana sphenocephala*. *American Midland Naturalist* 145: 46–53. **[8]**

Ryerson W. 2014. Why snakes flick their tongues: A fluid dynamics approach. Unpublished Ph.D. dissertation, University of Connecticut, Storrs. **[13]**

Ryerson WG, Deban SM. 2010. Buccal pumping mechanics of *Xenopus laevis* tadpoles: Effects of biotic and abiotic factors. *Journal of Experimental Biology* 213: 2444–2452 **[11]**

Ryser J. 1989. The breeding migration and mating system of a Swiss population of the common frog *Rana temporaria*. *Amphibia-Reptilia* 10: 13–21. **[14]**

Sabater-Pi J 1985. Contribution to the biology of the giant frog (*Conraua goliath*, Boulenger). *Amphibia-Reptilia* 6: 143–153. **[3]**

Sabatino SJ, Routman EJ. 2009. Phylogeography and conservation genetics of the hellbender salamander (*Cryptobranchus alleganiensis*). *Conservation Genetics*, 10: 1235–1246. **[3]**

Sacchi R, Galeotti P, Fasola M, Ballasina D. 2003. Vocalizations and courtship intensity correlate with mounting success in marginated tortoises *Testudo marginata*. *Behavioral Ecology and Sociobiology* 55: 95–102. **[13]**

Sacchi R, Galeotti P, Fasola M, Gerzeli G. 2004. Larynx morphology and sound production in three species of Testudinidae. *Journal of Morphology* 261: 175–183. **[13]**

Sáez PA, Fibla, P, Correa, C, Sallaberry, M, Salinas, H, Veloso, A, Méndez, M. A. 2014. A new endemic lineage of the Andean frog genus *Telmatobius* (Anura, Telmatobiidae) from the western slopes of the central Andes. *Zoological Journal of the Linnean Society* 171: 769–782. **[3]**

Sage RD, Prager EM, Wake DB. 1983. A Cretaceous divergence time between pelobatid frogs (*Pelobates* and *Scaphiopus*): Immunological studies of serum albumin. *Journal of Zoology* 198: 481–494. **[3]**

Salducci MD, Marty C, Fouquet A, Gilles A. 2005. Phylogenetic relationships and biodiversity in hylids (Anura: Hylidae) from French Guiana. *Comptes Rendus Biologies* 328: 1009–1024. **[3]**

Salgado Costa C, Chuliver Pereyra M, Alcalde L, Herrera R, Trudeau VL, Natale GS. 2014. Underwater sound emission as part of an antipredator mechanism in *Ceratophrys cranwelli* tadpoles. *Acta Zoologica* 95: 367–374. **[3]**

Salice CJ. 2012. Multiple stressors and amphibians: Contributions of adverse health effects and altered hydroperiod to population decline and extinction. *Journal of Herpetology* 46: 675–681. **[17]**

Salisbury SW, Molnar RE, Frey E, Willis PM. 2006. The origin of modern crocodyliforms: New evidence from the Cretaceous of Australia. *Proceedings of the Royal Society London B* 273: 2439–2448. **[4, 5]**

Salthe SN, Duellman WE. 1973. Quantitative constraints associated with reproductive mode in anurans. *In* Viall JL (ed.). *Evolutionary Biology of the Anurans*, pp. 229–249. University of Missouri Press, Columbia. **[8]**

Salthe SN. 1969. Reproductive modes and the numbers and sizes of ova in the urodeles. *American Midland Naturalist* 81: 467–490. **[8]**

Salthe SN, Mecham JS. 1974. Reproductive and courtship patterns. *In* Lofts B (ed.). *Physiology of the Amphibia, Vol. 2*, pp. 309–521. Academic Press, New York. **[8]**

Salvador A, Veiga JP, Civantos E. 1999. Do skin pockets of lizards reduce the deleterious effects of ectoparasites? An experimental study with *Psammodromus algirus*. *Herpetologica* 55: 1–7. **[15]**

Salvador AJ, Martín P, Lopéz P, Abelenda M, Puerta M. 1996. The cost of producing a sexual signal: Testosterone increases the susceptibility of male lizards to ectoparasitic infestation. *Behavioral Ecology* 7: 145–150. **[13]**

Sampaio FL, Harris DJ, Perera A, Salvi D. 2014. Phylogenetic and diversity patterns of *Blanus* worm lizards (Squamata: Amphisbaenia): Insights from mitochondrial and nuclear gene genealogies and species tree. *Journal of Zoological Systematics and Evolutionary Research* 53: 45–54. **[4]**

Sampson SD, Witmer LM, Forster CA, Krause DW, O'Connor PM, Dodson P, Ravoavy F. 1998. Predatory dinosaur remains from Madagascar: Implications for the Cretaceous biogeography of Gondwana. *Science* 280: 1048–1051. **[5]**

San Mauro D. 2010. A multilocus timescale for the origin of extant amphibians. *Molecular Phylogenetics and Evolution* 56: 554–561. **[2]**

San Mauro D, García-París M, Zardoya R. 2004. Phylogenetic relationships of discoglossid frogs (Amphibia: Anura: Discoglossidae) based on complete mitochondrial genomes and nuclear genes. *Gene* 343: 357–366. **[3]**

San Mauro D, Gower DJ, Cotton JA, Zardoya R, Wilkinson M, Massingham, T. 2012. Experimental design in phylogenetics: Testing predictions from expected information. *Systematic Biology* 61: 661–674. **[3]**

San Mauro D, Gower DJ, Massingham T, Wilkinson M, Zardoya R, Cotton JA. 2009. Experimental design in caecilian systematics: Phylogenetic information of mitochondrial genomes and nuclear *rag1*. *Systematic Biology* 58: 425–438. **[3]**

San Mauro D, Gower DJ, Müller H, Loader SP, Zardoya R, Nussbaum RA, Wilkinson M. 2014. Life-history evolution and mitogenomic phylogeny of caecilian amphibians. *Molecular Phylogenetics and Evolution* 73: 177–189. **[3, 5]**

San Mauro D, Vences M, Alcobendas, M, Zardoya R, Meyer A. 2005. Initial diversification of living amphibians predated the breakup of Pangaea. *American Naturalist* 165: 590–599. **[3, 5]**

Sanchiz B, Roček Z. 1996. An overview of the anuran fossil record. *In* Tinsley RC, Kobel HR (eds.). *The Biology of Xenopus*, pp. 317–328. Clarendon Press, Oxford. **[3]**

Sanders KL, Hamidy A, Head JJ, Gower DJ. 2010. Phylogeny and divergence times of filesnakes (*Acrochordus*): Inferences from morphology, fossils and three molecular loci. *Molecular Phylogenetics and Evolution* 56: 857–867. **[4, 5]**

Sanders KL, Lee MSY. 2008. Molecular evidence for a rapid late-Miocene radiation of Australasian venomous snakes (Elapidae, Colubroidea). *Molecular Phylogenetics and Evolution* 46: 1165–1173. **[4, 5]**

Sanders KL, Lee MSY, Bertozzi T, Rasmussen AR. 2013. Multilocus phylogeny and recent rapid radiation of the viviparous sea snakes (Elapidae: Hydrophiinae). *Molecular Phylogenetics and Evolution* 66: 575–591. **[4, 5]**

Sanders KL, Lee MSY, Leys R, Foster R, Keogh SJ. 2008. Molecular phylogeny and divergence dates for Australasian elapids and sea snakes (Hydrophiinae): Evidence from seven genes for rapid evolutionary radiations. *Journal of Evolutionary Biology* 21: 682–695. **[4, 5]**

Sanders KL, Rasmussen AR, Elmberg J, Silva A, Guinea ML, Lee MS. 2013b. Recent rapid speciation and ecomorph divergence in IndoAustralian sea snakes. *Molecular Ecology* 22: 2742–2759. **[4]**

Sanderson IT. 1937. *Animal Treasure*. Viking Press, New York. **[3]**

Sanderson IT. 1936 The amphibians of the Mamfe division, Cameroons. II. Ecology of the frogs. *Proceedings of the Zoological Society, London* 1936: 165–208. **[3]**

Sanderson SL, Kupferberg SJ. 1999. Development and evolution of aquatic larval feeding mechanisms. *In* Hall BK, Wake MH (eds.). *The Origin and Evolution of Larval Forms*, pp. 301–377. Academic Press, New York. **[11]**

Sang Y, Blecha F. 2008. Antimicrobial peptides and bacteriocins: Alternatives to traditional antibiotics. *Animal Health Research Reviews* 9: 227–235. **[1]**

Sanger TJ, Revell LJ, Gibson-Brown JJ, Losos JB. 2012. Repeated modification of early limb morphogenesis programmes underlies the convergence of relative limb length in *Anolis* lizards. *Proceedings of the Royal Society London B* 279: 739–748. **[9]**

Santos JC, Cannatella DC. 2011. Phenotypic integration emerges from aposematism and scale in poison frogs. *Proceedings of the National Academy of Sciences USA* 108: 6175–6180. **[3]**

Santos JC, Coloma LA, Cannatella DC. 2003. Multiple, recurring origins of aposematism and diet specialization in poison frogs. *Proceedings of the National Academy of Sciences USA* 100: 12792–12797. **[3]**

Saporito RA, Donnelly MA, Spande TF. Garraffo HM. 2012. A review of chemical ecology in poison frogs. *Chemoecology* 22: 159–168. **[3]**

Sarre SD, Ezaz T, Georges A. 2011. Transitions between sex-determining systems in reptiles and amphibians. *Annual Review of Genomics and Human Genetics* 12: 391–406. **[4]**

Sasaki T, Yasukawa Y, Takahashi K, Miura S, Shedlock AM, Okada N. 2006. Extensive morphological convergence and rapid radiation in the evolutionary history of the family

Geoemydidae (Old World pond turtles) revealed by SINE insertion analysis. *Systematic Biology* 55: 912–927. **[4]**

Satrawaha R, Bull CM. 1981. The area occupied by an omnivorous lizard, *Trachydosaurus rugosus*. *Australian Wildlife Research* 8: 435–442. **[12]**

Savage JM. 1967. An extraordinary new toad (*Bufo*) from Costa Rica. *Revista de Biologia Tropical, San José.* 14: 153–167. **[1]**

Savage JM. 1982. The enigma of the Central American herpetofauna: Dispersals or vicariance? *Annals of the Missouri Botanical Garden* 69: 464–547. **[5]**

Savage JM. 2002. *The Amphibians and Reptiles of Costa Rica: A Herpetofauna between Two Continents, between Two Seas.* University of Chicago Press. **[5]**

Savage JM, Slowinski JB. 1996. Evolution of coloration, urotomy and coral snake mimicry in the snake genus *Scaphiodontophis* (Serpentes: Colubridae). *Biological Journal of the Linnean Society* 57: 129–194. **[4]**

Saviola AJ, Chiszar D, Busch C, Mackessy SP. 2013. Molecular basis for prey relocation in viperid snakes. *BMC Biology* 11: 20. **[11]**

Savitzky AH. 1981. Hinged teeth in snakes: An adaptation for swallowing hard-bodied prey. *Science* 212: 346–349. **[4, 11]**

Savitzky AH. 1983. Coadapted character complexes among snakes: Fossoriality, piscivory, and durophagy. *American Zoologist* 23: 397–409. **[4, 10, 11]**

Savitzky AH, Mori A, Hutchinson DA, Saporito RA, Burghardt GM, Lillywhite HB, Meinwald J. 2012. Sequestered defensive toxins in tetrapod vertebrates: Principles, patterns, and prospects for future studies. *Chemoecology* 22: 141–158. **[15]**

Sazima I. 1991. Caudal luring in two Neotropical pit vipers, *Bothrops jararaca* and *B. jararacussa. Copeia* 1991: 245–248. **[15]**

Scaia MF, Regueira E, Sassone AG, Volonteri MC, Ceballos NR. 2011. The Bidder's organ of the toad *Rhinella arenarum* (Amphibia, Anura). Presence of steroidogenic enzymes. *Journal of Experimental Zoology Part A: Ecological Genetics and Physiology* 315: 439–446. **[3]**

Scaia MF, Regueira E, Volonteri MC, Ceballos NR. 2013. Estradiol production by the Bidder's organ of the toad *Rhinella arenarum* (Amphibia, Anura). Seasonal variations in plasma estradiol. *Journal of Experimental Zoology Part A: Ecological Genetics and Physiology* 319: 355–364. **[3]**

Scali S, Sacchi R, Azzusi M, Daverio S, Oppedisano T, Magiacotti M. 2013. Homeward bound: Factors affecting homing ability in a polymorphic lizard. *Journal of Zoology* 289: 196–203. **[12]**

Scanlon JD, Lee MS. 2004. Phylogeny of Australasian venomous snakes (Colubroidea, Elapidae, Hydrophiinae) based on phenotypic and molecular evidence. *Zoologica Scripta* 33: 335–366. **[4]**

Scanlon JD, Shine R. 1988. Dentition and diet in snakes: Adaptations to oophagy in the Australian elapid genus *Simoselaps*. *Journal of Zoology, London* 216: 519–528. **[15]**

Schachner ER, Cieri RL, Butler JP, Farmer CG. 2014. Unidirectional pulmonary airflow patterns in the savannah monitor lizard. *Nature* 506: 367–370. **[7]**

Schaerlaeken V, Holanova V, Boistel R, Aerts P, Velensky P, Rehak I. Andrade DV, Herrel A. 2012. Built to bite: Feeding kinematics, bite forces, and head shape of a specialized durophagous lizard, *Dracaena Guianensis* (Teiidae). *Journal of Experimental Zoology* 317A: 371–381. **[11]**

Schafer SF, Krekorian CO. 1983. Agnostic behavior of the Galápagos tortoise, *Geochelone elephantopus*, with emphasis on its relationship to saddle-backed shell shape. *Herpetologica* 39: 448–456. **[13]**

Schall JJ, Marghoob AB. 1995. Prevalence of a malarial parasite over time and space: *Plasmodium mexicanum* in its vertebrate host, the western fence lizard *Sceloporus occidentalis*. *Journal of Animal Ecology* 64: 177–185. **[15]**

Schall JJ, Pianka ER. 1978. Geographical trends in numbers of species. *Science* 201: 679–686. **[16]**

Schall JJ, Ressel S. 1991. Toxic plant compounds and the diet of the predominantly herbivorous whiptail lizard, *Cnemidophorus arubensis. Copeia* 1991: 111–119. **[15]**

Schall JJ. 1992. Parasite-mediated competition in *Anolis* lizards. Oecologia 92: 58–64. **[16]**

Scharf I, Meiri S. 2013. Sexual dimorphism of heads and abdomens: Different approaches to 'being large' in female and male lizards. *Biological Journal of the Linnean Society* 110: 665–673. **[15]**

Schätti B, McCarthy C. 1987. Relationships of the snake genera *Pythonodipsas* Günther and *Spalerosophis* Jan (Reptilia, Colubridae). *Bonner Zoologische Beiträge* 38: 265–268. **[4]**

Schäuble CS, Moritz C, Slade RW. 2000. A molecular phylogeny for the frog genus *Limnodynastes* (Anura: Myobatrachidae). *Molecular Phylogenetics and Evolution* 16: 379–391. **[3]**

Scheel JJ. 1970. Notes on the biology of the African tree-toad, *Nectophryne afra* Buchholz & Peters, 1875, (Bufonidae, Anura) from Fernando Póo. *Revue de Zoologie et de Botanique Africaines* 81: 225–236. **[8]**

Scheele BC, Driscoll DA, Fischer J, Hunter DA. 2012. Decline of an endangered amphibian during an extreme climatic event. *Ecosphere* 3(10) Article 101. doi: 10.1890/ES12-00108.1. **[17]**

Scheele BC, Guarino F, Osborne W, Hunter DA, Skerratt LF, Driscoll DA. 2014. Decline and re-expansion of an amphibian with high prevalence of chytrid fungus. *Biological Conservation* 170: 86–91. **[17]**

Scheffers BR, Yong DL, Harris JBC, Giam X, Sodhi NS. 2011. The world's rediscovered species: Back from the brink? *PLoS One* 6(7): e22531. doi: 10.1371/journal.pone.0022531 **[17]**

Scheyer TM, Werneburg I, Mitgutsch C, Delfino M, Sánchez-Villagra MR. 2013. Three ways to tackle the turtle: Integrating fossils, comparative embryology, and microanatomy. *In* Brinkman DB, Holroyd PA, Gardner JD (eds.). *Morphology and Evolution of Turtles*, pp. 63–70. Springer Netherlands. **[2]**

Schick S, Zimkus BM, Channing A, Köhler J, Lötters S. 2010. Systematics of 'Little Brown Frogs' from East Africa: Recognition of *Phrynobatrachus scheffleri* and description of a new species from the Kakamega Forest, Kenya (Anura: Phrynobatrachidae). *Salamandra* 46: 24–36. **[3]**

Schiøtz A. 1999. *Treefrogs of Africa*. Edition Chimaira, Frankfurt am Main, Germany. **[3]**

Schlaepfer MA, Hoover C, Dodd CK Jr. 2005. Challenges in evaluating the impact of the trade in amphibians and reptiles on wild populations. *BioScience* 55(3): 256–264. **[17]**

Schliwa M, Euteneuer U. 1983. Comparative ultrastructure and physiology of chromatophores, with emphasis on changes associated with intracellular transport. *American Zoologist* 23: 479–494. **[3]**

Schloegel LM and 12 others. 2012. Novel, panzootic and hybrid genotypes of amphibian chytridiomycosis associated with the bullfrog trade. *Molecular Ecology* 21: 5162–5177. **[1]**

Schlupp I, Podloucky R. 1994. Changes in breeding site fidelity: A combined study of conservation and behaviour in the common toad, *Bufo bufo*. *Biological Conservation* 69: 285–291. **[12]**

Schmeller, DS and 11 others. 2014. Microscopic aquatic predators strongly affect infection dynamics of a globally emerged pathogen. *Current Biology* 24: 176–180. **[17]**

Schmid M, Steinlein C, Bogart JP, Feichtinger W, Haaf T, Nanda I, Hedges SB. 2013. The hemiphractid frogs. Phylogeny, embryology, life history, and cytogenetics. *Cytogenetic and Genome Research* 138: 69–83. **[3]**

Schmidt PJ, Sherbrooke WC, Schmidt JO. 1989. The detoxification of ant (*Pogonomyrmex*) venom by a blood factor in horned lizards (*Phrynosoma*). *Copeia* 1989: 603–607. **[15]**

Schmitz A, Brandley MC, Mausfeld P, Vences M, Glaw F, Nussbaum RA, Reeder TW. 2005. Opening the black box: Phylogenetics and morphological evolution of the Malagasy fossorial lizards of the subfamily "Scincinae." *Molecular Phylogenetics and Evolution* 34: 118–133. **[4]**

Schnyer et al. 2014. Indirect evidence for elastic energy playing a role in limb recovery during toad hopping. *Biology Letters* doi: 10.1098/rsbl.2014.0418. **[10]**

Schoch RR. 2009. Evolution of life cycles in early amphibians. *Annual Review of Earth and Planetary Sciences* 37: 135–162. **[2]**

Schoch RR. 2010. Heterochrony: The interplay between development and ecology exemplified by a Paleozoic amphibian clade. *Paleobiology* 36: 318–334. **[2]**

Schoch RR. 2013. The evolution of major temnospondyl clades: An inclusive phylogenetic analysis. *Journal of Systematic Palaeontology* 11: 673–705. **[2]**

Schoch RR. 2014. *Amphibian Evolution: The Life of Early Land Vertebrates*. Wiley & Sons, Oxford. **[2]**

Schoener TW. 1967. The ecological significance of sexual dimorphism in size in the lizard *Anolis conspersus. Science* 155: 474–477. **[15]**

Schoener, TW. 1969. Models of optimal prey size for solitary predators. *American Naturalist* 103: 277–313. **[7]**

Schoener TW, Slade JB, Stinon CH. 1982. Diet and sexual dimorphism in the very catholic lizard genus, *Leiocephalus* of the Bahamas. *Oecologia* 53: 160–169. **[4]**

Schofield G, Dimadi A, Fossette S, Katselidis KA, Koutsoubas D, Lilley MKS, Luckman A, Pantis JD et al. 2013. Satellite tracking large numbers of individuals to infer population level dispersal and core areas for the protection of an endangered species. *Diversity and Distributions* 19: 834–844. **[12]**

Schubauer JP, Gibbons JW, Spotila JR. 1990. Home range and movement patterns of slider turtles inhabiting Par Pond. *In* Gibbons JW (ed.). *Life History and Ecology of the Slider Turtle*, pp. 223–232. Smithsonian Institution Press, Washington, DC. **[12]**

Schuett GW, Gergus EWA, Kraus F. 2001. Phylogenetic correlation between male-male fighting and mode of prey subjugation in snakes. *Acta Ethologica* 4: 31–49. **[14]**

Schulte JA II. 2013. Undersampling taxa will underestimate molecular divergence dates: An example from the South American lizard clade Liolaemini. *International Journal of Evolutionary Biology* 2013: 628467. **[4]**

Schulte JA II, Macey JR, Espinoza RE, Larson A. 2000. Phylogenetic relationships in the iguanid lizard genus *Liolaemus*: Multiple origins of viviparous reproduction and evidence for recurring Andean vicariance and dispersal. *Biological Journal of the Linnean Society* 69: 75–102. **[4]**

Schulte JA II, Valladares JP, Larson A. 2003. Phylogenetic relationships within Iguanidae inferred using molecular and morphological data and a phylogenetic taxonomy of iguanian lizards. *Herpetologica* 59: 399–419. **[4]**

Schulte-Hostedde AI, Schank CMM. 2009. Secondary sexual traits and individual phenotypes in male green frogs (*Rana clamitans*). *Journal of Herpetology* 43: 89–95. **[13]**

Schumacher G-H. 1973. The head muscles and hyolaryngeal skeleton of turtles and crocodilians. *In* Gans C, Parsons TS (eds.). *Biology of the Reptilia, Vol. 4: Morphology D*, pp. 101–199. Academic Press, London. **[11]**

Schuyler Q, Hardesty BD, Wilcox C, Townsend K. 2014. Global analysis of anthropogenic debris ingestion by sea turtles. *Conservation Biology* 28: 129–139. **[17]**

Schwartz A, Garrido OH. 1967. *A review of the Cuban iguanid lizard Leiocephalus macropus Cope*. Reading Public Museum and Art Gallery, Reading, PA. **[4]**

Schwartz A, Henderson RW. 1991. Amphibians and Reptiles of the West Indies: Descriptions, Distributions, and Natural History. University of Florida Press, Gainesville, FL. **[4]**

Schwartz A, Marsh RJ. 1960. A review of the pardalis-maculatus complex of the boid genus *Tropidophis* of the West Indies. *Bulletin of the Museum of Comparative Zoology* 123: 49–84. **[4]**

Schwartz JJ. 1987. The function of call alternation in anuran amphibians: A test of three hypotheses. *Evolution* 41: 461–471. **[13]**

Schwartz JJ. 1989. Graded aggressive calls of the spring peeper, *Pseudacris crucifer*. *Herpetologica* 45: 172–181. **[13]**

Schwartz JJ, Bee MA. 2013. Anuran acoustic signal production in noisy environments. *In* Brumm H (ed.), *Animal Communication and Noise*, pp. 91–132. Springer-Verlag, Berlin. **[13]**

Schwartz JJ, Ressel SJ, Bevier CR. 1995. Carbohydrates and calling: Depletion of muscle glycogen and the chorusing dynamics of the Neotropical treefrog *Hyla microcephala*. *Behavioral Ecology and Sociobiology* 37: 125–135. **[7]**

Schwartz JJ, Wells KD. 1985. Intra- and interspecific vocal behavior of the Neotropical treefrog *Hyla microcephala*. *Copeia* 1985: 27–38. **[13]**

Schwartzkopf L, Andrews RM. 2012. Are moms manipulative or just selfish? Evaluating the 'maternal manipulation hypothesis' and implications for life-history studies of reptiles. *Herpetologica* 147–159. **[15]**

Schwarzkopf L, Andrews RM. 2012. Are moms manipulative or just selfish? Evaluating the 'maternal manipulation hypothesis' and implications for life-history studies of reptiles. *Herpetologica* 147–159. **[9]**

Schwarzkopf L. 1994. Measuring trade-offs: A review of studies of costs of reproduction in lizards. *In* Vitt LJ, Pianka ER (eds.). *Lizard Ecology: Historical and Experimental Perspectives*, pp. 7–29. Princeton University Press, Princeton, NJ. **[9]**

Schwenk K. 1993. Are geckos olfactory specialists? *Journal of Zoology, London*. 229: 289–302. **[15]**

Schwenk K. 1993. The evolution of chemoreception in squamate reptiles: A phylogenetic approach. *Brain Behavior and Evolution* 41: 124–137. **[13]**

Schwenk K. 1994. Why snakes have forked tongues. *Science* 263: 1573–1577. **[11, 13]**

Schwenk K. 1995. Of tongues and noses: Chemoreception in lizards and snakes. *Trends in Ecology and Evolution* 10: 7–12. **[13]**

Schwenk K. 2000. Feeding in lepidosaurs. *In* Schwenk K (ed.). *Feeding: Form, Function, and Evolution in Tetrapod Vertebrates*, pp. 175–291. Academic Press, San Diego, CA. **[11]**

Schwenk K, Wake DB. 1993. Prey processing in *Leurognathus marmoratus* and the evolution of form and function in desmognathine salamanders (Plethodontidae). *Biological Journal of the Linnean Society* 49: 141–162. **[3]**

Scott E. 2005. A phylogeny of ranid frogs (Anura: Ranoidea: Ranidae), based on a simultaneous analysis of morphological and molecular data. *Cladistics* 21: 507–574. **[3]**

Scott R, Marsh R, Hays GC. 2012. Life in the really slow lane: Loggerhead sea turtles mature late relative to other reptiles. *Functional Ecology* 26: 227–235. **[12]**

Sears MW, Angilletta MJ Jr. 2015. Costs and benefits of thermoregulation revisited: Both the heterogeneity and spatial structure of temperature drive energetic costs. *American Naturalist* 185: E94-E102. **[6]**

Secondi J, Lepetz V, Théry M. 2012. Male attractiveness is influenced by UV wavelengths in a newt species but not in its close relative. *PLoS One* 7 (1): e30391 doi: 10.1371/journal.pone.0030391. **[13]**

Secor SM. 1995. Ecological aspects of foraging modes for the snakes *Crotalus cerastes* and *Masticophis flagellum*. *Herpetological Monographs* 9: 169–186. **[12, 15]**

Secor SM. 2001. Regulation of digestive performance: A proposed adaptive response. *Comparative Biochemistry and Physiology A* 128: 565–577. **[11]**

Secor SM. 2008. Digestive physiology of the Burmese python: Broad regulation of integrated performance. *Journal of Experimental Biology* 211: 3767–3774. **[4, 11]**

Secor SM. 2009. Specific dynamic action: A review of the postprandial metabolic response. *Journal of Comparative Physiology B* 179: 1–56. **[11]**

Secor SM, Diamond J. 1998. A vertebrate model of extreme physiological regulation. *Nature* 395: 659–662. **[11]**

Secor SM, Lignot J-H. 2010. Morphological plasticity of vertebrate aestivation. *In* Navas CA, Carvalho JE (eds.). *Aestivation: Molecular and Physiological Aspects, Progress in Molecular and Subcellular Biology* 49: 183–208. **[7]**

Secor SM, Nagy KA. 1994. Bioenergetic correlates of foraging mode for the snakes *Crotalus cerastes* and *Masticophis flagellum*. *Ecology* 75: 1600–1614. **[7]**

Seddon JM, Georges A, Baverstock PR, McCord W. 1997. Phylogenetic relationships of chelid turtles (Pleurodira: Chelidae) based on mitochondrial 12S rRNA gene sequence variation. *Molecular Phylogenetics and Evolution* 7: 55–61. **[4]**

Seebacher F, Franklin CE. 2004. Cardiovascular mechanisms during thermoregulation in reptiles. *International Congress Series* 1275: 242–249. **[6]**

Seibert EA, Lillywhite HB, Wassersug RJ. 1974. Cranial coossification in frogs: relationship to rate of evaporative water loss. *Physiological Zoology*, 261–265. **[3]**

Semlitsch RD. 1985. Reproductive strategy of a facultatively paedomorphic salamander, *Ambystoma talpoideum*. *Oecologia* 65: 305–313. **[8]**

Semlitsch RD. 1987a. Paedomorphosis in *Ambystoma talpoideum*: Effects of density, food, and pond drying. *Ecology* 68: 994–1002. **[8]**

Semlitsch RD. 1987b. Density-dependent growth and fecundity in the paeodomorphic salamander *Ambystoma talpoideum*. *Ecology* 68: 1003–1008. **[8]**

Semlitsch RD. 1987c. Relationship of pond drying to the reproductive success of the salamander *Ambystoma talpoideum. Copeia* 1987: 61–69 **[8]**

Semiltsch RD, Gibbons JW. 1985. Phenotypic variation in metamorphosis and paedomorphosis in the salamander *Ambystoma talpoideum. Ecology* 66: 1123–1130. **[8]**

Semlitsch RD, Caldwell JP. 1982. Effects of density on growth, metamorphosis, and survivorship of tadpoles of *Scaphiopus holbrooki*. *Ecology* 63: 905–911. **[8]**

Semlitsch RD, O'Donnell KM, Thompson FR III. 2014. Abundance, biomass production, nutrient content, and the possible role of terrestrial salamanders in Missouri Ozark forest ecosystems. *Canadian Journal of Zoology* 92: 997–1004. **[1]**

Semlitsch RD, Reyer H-U. 1992. Performance of tadpoles from the hybridogenetic *Rana esculenta* complex: Interactions with pond drying and interspecific competition. *Evolution* 46: 665–676. **[8]**

Semlitsch RD, Wilbur HM. 1988. Effects of pond drying time on metamorphosis and survival in the salamander *Ambystoma talpoideum*. *Copeia* 1988: 978–983. **[8]**

Semlitsch RD. 1993. Adaptive genetic variation in growth and development of tadpoles of the hybridogenetic *Rana esculenta* complex. *Evolution* 47: 1805–1818. **[8]**

Senter P. 2002. Lack of a pheromonal sense in phytosaurs and other archosaurs, and its implications for reproductive communication. *Paleobiology* 28: 544–550. **[13]**

Senter P. 2008. Homology between and antiquity of stereotyped communicatory behaviors of crocodilians. *Journal of Herpetology* 42: 354–360. **[13]**

Sereno P, Larsson H. 2009. Cretaceous crocodyliforms from the Sahara. *ZooKeys* 28: 1–143. **[4]**

Sereno PC, Larsson HEC, Sidor CA, Gado B. 2001. The giant crocodyliform *Sarcosuchus* from the Cretaceous of Africa. *Science* 294: 1516–1519. **[1]**

Sergeyev A. 1939. The body temperatures of reptiles in natural surroundings. *Doklady Akadameia Nauk SSSR* 22: 49–52. **[6]**

Sessions SK, Leon P, Kezer J. 1982. Cytogenetics of the Chinese giant salamander, *Andrias davidianus* (Blanchard): The evolutionary significance of cryptobranchoid karyotypes. *Chromosoma* 86: 341–357. **[3]**

Setiadi MI, McGuire JA, Brown RM, Zubairi M, Iskandar DT, Andayani N, Supriatna J, Evans BJ. 2011. Adaptive radiation and ecological opportunity in Sulawesi and Philippine fanged frog (*Limnonectes*) communities. *American Naturalist* 178: 221–240. **[3, 5]**

Sever DM. 1988. Male *Rhyacotriton olympicus*. (Dicamptodontidae: Urodela) has a unique cloacal vent gland. *Herpetologica* 44: 274–280. **[3]**

Sever DM. 2003. Courtship and mating glands. *In* Sever DM (ed.). *Reproductive Biology and Phylogeny of Urodela*, pp. 323–382. Science Publishers, Enfield, New Hampshire. **[8]**

Sever DM (ed.). 2003. *Reproductive Biology and Phylogeny of Urodela*. Science Publishers, Enfield, NH. **[1]**

Sever DM, Hamlett WC. 2002. Female sperm storage in reptiles. *Journal of Experimental Zoology* 292: 187–199. **[9]**

Sever DM, Hamlett WC, Slabach R, Stephenson B, Verrell P. 2003. Internal fertilization in the Anura with special reference to mating and female sperm storage in *Ascaphus*. *In*

Jamieson BGM (ed.). *Reproductive Biology and Phylogeny of Anura*, pp. 319–341. Science Publishers, Enfield, New Hampshire. **[8]**

Seymour RS.1995. Oxygen uptake by embryos in gelatinous egg masses of *Rana sylvatica*: The roles of diffusion and convection. *Copeia* 1995: 626–635. **[7]**

Seymour RS, Bradford D. 1995. Respiration of amphibian eggs. *Physiological Zoology* 68: 1–25. **[7, 8]**

Seymour RS, Loveridge JP. 1994. Embryonic and larval respiration in the arboreal foam nests of the African frog *Chiromantis xerampelina*. *Journal of Experimental Biology* 197: 31–46. **[8]**

Seymour RS, Roberts JD. 1991. Embryonic respiration and oxygen distribution in foamy and nonfoamy egg masses of the frog *Limnodynastes tasmaniensis*. *Physiological Zoology* 64: 1322–1340. **[8]**

Shaffer HB. 1993. Phylogenetics of model organisms: The laboratory axolotl, *Ambystoma mexicanum*. *Systematic Biology* 42: 508–522. **[3]**

Shaffer HB, Meylan P, McKnight ML. 1997. Tests of turtle phylogeny: Molecular, morphological, and paleontological approaches. *Systematic Biology* 46: 235–268. **[4]**

Shaffer HB, Starkey DE, Fujita MK. 2008. Molecular insights into the systematics of the snapping turtles (Chelydridae). *In* Steyermark AC, Finkler MS, Brooks RJ (eds.). *Biology of the Snapping turtle* (Chelydra serpentina), pp. 44–49. Johns Hopkins University Press, Baltimore, MD. **[4]**

Shaffer ML. 1981. Minimum population sizes for species conservation. *BioScience* 31: 131–134. **[17]**

Shedlock AM, Edwards SV. 2009. Amniotes (Amniota). *In* Hedges SB, Kumar S. (eds.). *The Timetree of Life*. Oxford University Press, New York. **[2]**

Sheil CA, Mendelson III JR, da Silva HR. 2001. Phylogenetic relationships of the species of Neotropical horned frogs, genus *Hemiphractus* (Anura: Hylidae: Hemiphractinae), based on evidence from morphology. *Herpetologica* 57: 203–214. **[3]**

Shelton G, Boutilier RG. 1982. Apnoea in amphibians and reptiles. *Journal of Experimental Biology* 100: 245–273 **[7]**

Shen Y-X, Feng AS, Xu Z-M, Yu Z-L, Arch VS, Yu X-J, Narins PM. 2008. Ultrasonic frogs show hyperacute phonotaxis to female courtship calls. Nature 453: 914–916. **[13]**

Shepard DB, Burbrink FT. 2008. Lineage diversification and historical demography of a sky island salamander, Plethodon ouachitae, from the Interior Highlands. *Molecular Ecology* 17: 5315–5335. **[5]**

Sherbrooke WC. 1975. Reproductive cycle of a tropical teiid lizard, *Neusticurus ecpleopus* Cope, in Peru. *Biotropica* 7: 194–207. **[9]**

Sherbrooke WC. 1990. Rain-harvesting in the lizard, *Phrynosoma cornutum*: behavior and integumental morphology. *Journal of Herpetology* 24: 302–308. **[6]**

Sherbrooke WC. 1993. Rain-drinking behaviors of the Australian thorny devil (Sauria: Agamidae). *Journal of Herpetology* 27: 270–275. **[6]**

Sherbrooke WC. 2002. *Phrynosoma modestum* (round-tailed horned lizard): Rain-harvest drinking behavior. *Herpetological Review* 33: 310–312 **[6]**

Sherbrooke WC. 2003. *Introduction to Horned Lizards of North America*. University of California Press, Berkeley CA. **[15]**

Sherbrooke WC. 2004. Integumental water movement and rate of water ingestion during rain harvesting in the Texas horned lizard, *Phrynosoma cornutum*. Amphibia-Reptilia 25: 29–39 **[6]**

Sherbrooke WC. 2008. Antipredator responses by Texas horned lizards to two snake taxa with different foraging and subjugation strategies. *Journal of Herpetology* 42: 145–152. **[15]**

Sherbrooke WC, Frost SK. 1989. Integumental chromatophores of a color-change, thermoregulating lizard, *Phrynosoma modestum* (Iguanidae; reptilia). *American Museum Novitates* 2943: 1–14. **[4]**

Sherbrooke WC, Mitchell A, Sweet K, Searles L, Braastad D. 2012. Negative oral responses of a non-canid mammalian predator (bobcat, *Lynx rufus*; Felidae) to ocular-sinus blood-squirting of Texas and regal horned lizards, *Phrynosoma cornutum* and *Phrynosoma solare*. *Herpetological Review* 43: 386–391. **[15]**

Sherbrooke WC, Montanucci RR. 1988. Stone mimicry in the round-tailed horned lizard, *Phrynosoma modestum* (Sauria: Iguanidae). *Journal of Arid Environments* 14: 275–284. **[15]**

Sherbrooke WC, Nagle RB. 1996. A dorsal intraepidermal mechanoreceptor in horned lizards (Phrynosoma; Phrynosomatidae; Reptilia). *Journal of Morphology* 228: 145–154. **[4]**

Sherbrooke WC, Scardino AJ, de Noys R, Schwarzkopf L. 2007. Functional morphology of scale hinges used to transport water: Convergent drinking adaptations in desert lizards (*Moloch horridus* and *Phrynosoma cornutum*). *Zoomorphology* 126: 89–102. **[6]**

Sherman CK, Morton ML. 1993. Population declines of Yosemite toads in the eastern Sierra Nevada of California. *Journal of Herpetology* 27: 186–198. **[17]**

Shetty S, Shine R. 2002. Philopatry and homing behavior of sea snakes (*Laticauda colubrina*) from two adjacent islands in Fiji. *Conservation Biology* 16: 1422–1426. **[12]**

Shi H, Parham JF, Lau M, Tien-Hsi C. 2007. Farming endangered turtles to extinction in China. *Conservation Biology* 21: 5–6. **[17]**

Shillinger GL, Di Lorenzo E, Luo H, Bograd SJ, Hazen EL, Bailey H, Spotila JR. 2012. On the dispersal of leatherback turtle hatchlings from Mesoamerican nesting beaches. *Proceedings of the Royal Society Lonson B* 279: 2391–2395. **[12]**

Shine R. 1978. Propagule size and parental care: The "safe harbor" hypothesis. *Journal of Theoretical Biology* 75: 417–424. **[8]**

Shine R. 1979. Sexual selection and sexual dimorphism in the Amphibia. *Copeia* 1979: 297–306. **[14]**

Shine R. 1980. "Costs" of reproduction for reptiles. *Oecologia* 46: 92–100. **[6]**

Shine R. 1980. Ecology of the Australian death adder *Acanthophis antarcticus* (Elaphidae): Evidence for convergence with the Viperidae. *Herpetologica* 36: 281–289. **[11]**

Shine R. 1985. The evolution of viviparity in reptiles: An ecological analysis. *In* Gans C, Billett F (eds.). *Biology of the Reptilia, Vol. 15: Development B*, pp. 605–694. John Wiley and Sons, New York. **[9]**

Shine R. 1986. Ecology of a low-energy specialist: Food habits and reproductive biology of the Arafura filesnake (Acrochordidae). *Copeia* 1986: 424–437. **[4, 9, 15, 17]**

Shine R. 1988. Parental care in reptiles. *In* Gans C, Huey RB (eds.). *Biology of the Reptilia, Vol. 16: Ecology B, Defense and Life History*, pp. 275–329. Alan R. Liss, New York. **[9]**

Shine R. 1990. Function and evolution of the frill of the frillneck lizard *Chlamydosaurus kingii* (Sauria: Agamidae). *Biological Journal of the Linnean Society* 40: 11–20. **[15]**

Shine R. 1991. *Australian Snakes: A Natural History*. Reed Books, NSW, Australia. **[11]**

Shine R. 1991. Strangers in a strange land: Ecology of the Australian colubrid snakes. *Copeia* 1991: 120–131. **[9]**

Shine R. 1993. Sexual dimorphism in snakes. *In* Seigel RA, Collins JT (eds.). *Snakes: Ecology and Behavior*, pp. 49–86. McGraw Hill, New York. **[4]**

Shine R. 1994. Sexual dimorphism in snakes revisited. *Copeia* 1994: 326–346.\ **[14]**

Shine R. 1995. A new hypothesis for the evolution of viviparity in reptiles. *American Naturalist* 145: 809–823. **[9]**

Shine R. 2003. Reproductive strategies in snakes. *Proceedings of the Royal Society London B* 270: 995–1004. **[14]**

Shine R. 2004. Adaptive consequences of developmental plasticity. *In* Deeming, DC (ed.). *Reptilian Incubation: Environment, Evolution and Behaviour*, pp. 187–210. Nottingham University Press, Nottingham, UK. **[7]**

Shine R. 2004. Adaptive consequences of developmental plasticity. *In* Deeming DC (ed.). *Reptilian Incubation: Environment, Evolution and Behaviour*, pp. 187–210. Nottingham University Press, Nottingham, UK. **[9]**

Shine R. 2014. The evolution of an evolutionary hypothesis: A history of changing ideas about the adaptive significance of viviparity in reptiles. *Journal of Herpetology* 48: 147–161. **[9]**

Shine R, Branch WR, Harlow PS, Webb JK. 1998. Reproductive biology and food habits of horned adders, *Bitis caudalis* (Viperidae), from southern Africa. *Copeia* 1998: 391–401. **[15]**

Shine R, Branch WR, Webb JK, Harlow PS, Shine T. 2006. Sexual dimorphism, reproductive biology, and dietary habits of psammophiine snakes (Colubridae) from southern Africa. *Copeia* 2006: 650–664. **[4]**

Shine R, Bull JJ. 1979. The evolution of live-bearing in lizards and snakes. *American Naturalist* 113: 905–923. **[9]**

Shine R, Elphick MJ, Donnellan S. 2002. Co-occurrence of multiple, supposedly incompatible modes of sex determination in a lizard population. *Ecology Letters* 5: 486–489. **[9]**

Shine R, Elphick MJ, Harlow PS, Moore IT, LeMaster MP, Mason RT. 2001a. Movements, mating, and dispersal of red-sided garter snakes (*Thamnophis sirtalis parietalis*) from a communal den in Manitoba. *Copeia* 2001: 82–91. **[14]**

Shine R, Harlow P, Keogh JS, Boeadi. 1995. Biology and commercial utilization of acrochordid snakes, with special reference to karung (*Acrochordus javanicus*). *Journal of Herpetology* 29: 352–360. **[17]**

Shine R, Harlow P, LeMaster MP, Moore IT, Mason RT. 2000a. The transvestite serpent: Why do male garter snakes court (some) other males? *Animal Behaviour* 59: 349–359. **[14]**

Shine R, Lambeck R. 1985. A radiotelemetric study of movements, thermoregulation and habitat utilization of Arafura filesnakes (Sepentes: Acrochordidae). *Herpetologica* 41: 351–361. **[12]**

Shine R, Langkilde T, Mason RT. 2012. Facultative pheromone mimicry in snakes: "She-males" attract courtship only when it is useful. *Behavioral Ecology and Sociobiology* 66: 691–695. **[13]**

Shine R, Mason RT. 2012. An airborne sex pheromone in snakes. *Biology Letters* 8: 183–185. **[13]**

Shine R, O'Connor D, LeMaster MP, Mason RT. 2001b. Pick on someone your own size: Ontogenetic shifts in mate choice by male garter snakes result in size-asssortative mating. *Animal Behaviour* 61: 1133–1141. **[14]**

Shine R, O'Connor D, Mason, RT. 1999. Female mimicry in garter snakes: Behavioural tactics of "she-males" and the males that court them. *Canadian Journal of Zoology*. doi: 10.1139/cjz-78-8-1391. **[13]**

Shine R, Olsson MM, Mason RT. 2000. Chastity belts in garter snakes: The functional significance of mating plugs. *Biological Journal of the Linnean Society* 70: 377–390. **[13, 14]**

Shine R, Reed RN, Shetty S, LeMaster M, Mason RT. 2002. Reproductive isolating mechanisms between two sympatric sibling species of sea snakes. *Evolution* 56: 1655–1662. **[13]**

Shine R, Schwaner T. 1985 Prey constriction by venomous snakes: A review, and new data on Australian species. *Copeia* 1985: 1067–1071. **[11]**

Shine R, Webb JK. 1990. Natural history of Australian typhlopid snakes. *Journal of Herpetology* 24: 357–363. **[11]**

Shirley MH, Vliet KA, Carr AN, Austin JD. 2014. Rigorous approaches to species delimitation have significant implications for African crocodilian systematics and conservation. *Proceedings of the Royal Society London B* 281: 20132483. **[4]**

Shoemaker VH, Hillman SS, Hillyard SD, Jackson DC, McClanahan LL, Withers PC, Wygoda ML. 1992. Exchange of water, ions, and respiratory gases in terrestrial amphibians. *In* Feder ME, Burggren WW (eds.). *Environmental Physiology of the Amphibians*, pp 125–150. University of Chicago Press, Chicago. **[6]**

Shoemaker VH, McClanahan L Jr, Ruibal R. 1969. Seasonal changes in body fluids in a field population of spadefoot toads. *Copeia* 1969: 585–591. **[6]**

Shoemaker VH, Nagy KA. 1977. Osmoregulation in amphibians and reptiles. *Annual Review of Physiology* 39: 449–471. **[6]**

Shoemaker VH, Sigurdson C. 1989. Brain cooling via evaporation from the eyes in a waterproof treefrog. *American Zoologist* 29: 106A. **[6]**

Shubin NH, Daeschler EB, Jenkis FA. 2006. The pectoral fin of *Tiktaalik roseae* and the origin of the tetrapod limb. *Nature* 440: 764–771. **[2]**

Shubin NH, Daeschler EB, Jenkis FA. 2014. Pelvic girdle and fin of *Tiktaalik roseae*. *Proceedings of the National Academy of Sciences USA* 111: 893–899 **[2]**

Shubin NH, Jenkins FA. 1995. An early Jurassic jumping frog. *Nature* 377: 49–52. **[3]**

Shubin NH, Wake DB, Crawford AJ. 1995. Morphological variation in the limbs of *Taricha granulosa* (Caudata: Salamandridae): Evolutionary and phylogenetic implications. *Evolution* 49: 874–884. **[3]**

Sicuro FL, Iack-Ximenes GE, Wogel H, Bilate M. 2013. Vocal pattern of adult females and juveniles *Caiman yacare* (Crocodilia: Alligatoridae) in Brazilian Pantanal wetland. *Revista Biologia Tropical* 61: 1401–1413. **[13]**

Sigurdsen T, Bolt JR. 2009. The lissamphibian humerus and elbow joint, and the origins of modern amphibians. *Journal of Morphology* 270: 1443–1453. **[2]**

Sigurdsen T, Bolt JR. 2010. The Lower Permian amphibamid Doleserpeton (Temnospondyli: Dissorophoidea), the interrelationships of amphibamids, and the origin of modern amphibians. *Journal of Vertebrate Paleontology* 30: 1360–1377. **[2]**

Sigurdsen T, Green DM, Bishop PJ. 2012. Did *Triadobatrachus* jump? Morphology and evolution of the anuran forelimb in relation to locomotion in early salientians. *Fieldiana Life and Earth Sciences* October 2012: 77–89. **[2, 3]**

Sigurdsen T, Green DM. 2011. The origin of modern amphibians: A re-evaluation. *Zoological Journal of the Linnean Society* 162: 457–469. **[2]**

Siler CD, Diesmos AC, Alcala AC, Brown RM 2011. Phylogeny of Philippine slender skinks (Scincidae: *Brachymeles*) reveals underestimated species diversity, complex biogeographical relationships, and cryptic patterns of lineage diversification. *Molecular Phylogenetics and Evolution* 59: 53–65. **[4, 5]**

Siler CD, Lira-Noriega A, Brown RM. 2014. Conservation genetics of Australasian sailfin lizards: Flagship species threatened by coastal development and insufficient protected area coverage. *Biological Conservation* 169: 100–108. **[5]**

Siler CD, Oaks JR, Esselstyn JA, Diesmos AC, Brown RM. 2010. Phylogeny and biogeography of Philippine bent-toed geckos (Gekkonidae: *Cyrtodactylus*) contradict a prevailing model of Pleistocene diversification. *Molecular Phylogenetics and Evolution* 55: 699–710. **[5]**

Siler CD, Oaks JR, Welton LJ, Linkem CW, Swab JC, Diesmos AC, Brown RM. 2012. Did geckos ride the Palawan raft to the Philippines? *Journal of Biogeography* 39: 1217–1234. **[5]**

Sills J (ed). 2014. Specimen collection: An essential tool. *Science* 344: 814–815. **[17]**

Simon MP. 1983. The ecology of parental care in a terrestrial breeding frog from New Guinea. *Behavioral Ecology and Sociobiology* 14: 61–67. **[8]**

Sin H, Beard KH, Pitt WC 2008. An invasive frog, *Eleutherodactylus coqui*, increases new leaf production and leaf litter decomposition rates through nutrient cycling in Hawaii. *Biological Invasions* 10: 335–345. **[5]**

Sinclair BJ, Stinziano JR, Williams CM, MacMillan HA, Marshall KE, Storey KB. 2013. Real-time measurement of metabolic rate during freezing and thawing of the wood frog, *Rana sylvatica*: Implications for overwinter energy use. *Journal of Experimental Biology* 216: 292–302. **[7]**

Sinclair EA, Pramuk JB, Bezy RL, Crandall KA, Sites JW Jr. 2010. DNA evidence for nonhybrid origins of parthenogenesis in natural populations of vertebrates. *Evolution* 64: 1346–1357. **[4]**

Sinervo B and 25 others. 2010. Erosion of lizard diversity by climate change and altered thermal niches. *Science* 328: 894–899. **[7, 9, 17]**

Sinervo B, Doughty P, Huey RB, Zamudio K. 1992. Allometric engineering: A causal analysis of natural seletion on offspring size. *Science* 258: 1927–1930. **[4]**

Sinervo B, Doughty P. 1996. Interactive effects of offspring size and timing of reproduction on offspring reproduction: Experimental, maternal, and quantitative genetic aspects. *Evolution* 50: 1314–1327. **[9]**

Sinervo B, Licht P. 1991. Proximate constraints on the evolution of egg size, number, and total clutch mass in lizards. *Science* 252: 1300–1302. **[9]**

Sinervo B, Miles DB, Frankino WA, Klukowski M, DeNardo DF. 2000. Testosterone, endurance, and Darwinian fitness: Natural and sexual selection on the physiological bases of alternative mating behaviors in side-blotched lizards. *Hormones and Behavior* 38: 222–233. **[14]**

Sinsch U. 1988. Seasonal changes in the migratory behavior of the toad *Bufo bufo*: Direction and magnitude of movements. *Oecologia* 76A: 390–398. **[12]**

Sinsch U. 1989. Behavioural thermoregulation of the Andean toad (*Bufo spinulosus*) at high altitudes. *Oecologia* 80: 32–38. **[6]**

Sinsch U. 1992. Amphibians. *In* F. Papi (ed.). *Animal Homing*, pp. 213–233. Chapman and Hall, New York. **[12]**

Sinsch U, Hein K, Glump B. 2005. Reassessment of central Peruvian Telmatobiinae (genera *Batrachophrynus* and *Telmatobius*): Osteology, palmar morphology and skin histology. *In* Lavilla E, de la Riva I, Font E, Luch L. (eds.). *Estudios Sobre las Ranas Andinas de los Géneros Telmatobius y Batrachophrynus*, pp. 239–260. **[3]**

Sinsch U, Seidel D. 1995. Dynamics of local and temporal breeding assemblages in a *Bufo calamita* metapopulation. *Australian Journal of Ecology* 20: 351–361. **[12]**

Sites JW Jr, Reeder TW, Wiens JJ. 2011. Phylogenetic insights on evolutionary novelties in lizards and snakes: Sex, birth, bodies, niches, and venom. *Annual Review of Ecology, Evolution, and Systematics* 42: 227–244. **[10]**

Sivak JG. 1977. The role of the spectacle in the visual optics of the snake eye. *Vision Research* 17: 293–298. **[4]**

Skelly DK. 1995. A behavioral trade-off and its consequences for the distribution of *Pseudacris* treefrog larvae. *Ecology* 76: 150–164. **[16]**

Skerratt LF, Berger L, Speare R, Cashins S, McDonald KR, Phillott AD, Hines HB, Kenyon N. 2007. Spread of chytridiomycosis has caused the rapid global decline and extinction of frogs. *EcoHealth* 4: 125–134. **[17]**

Sket B. 1997. Distribution of *Proteus* (Amphibia: Urodela: Proteidae) and its possible explanation. *Journal of Biogeography* 24: 263–280. **[3]**

Skinner A. 2007. Phylogenetic relationships and rate of early diversification of Australian *Sphenomorphus* group scincids (Scincoidea, Squamata). *Biological Journal of the Linnean Society* 92: 347–366. **[4]**

Skinner A, Hugall AF, Hutchinson MN. 2011. Lygosomine phylogeny and the origins of Australian scincid lizards. *Journal of Biogeography* 38: 1044–1058. **[4, 5]**

Skinner A, Hutchinson MN, Lee MS. 2013. Phylogeny and divergence times of Australian *Sphenomorphus* group skinks (Scincidae, Squamata). *Molecular Phylogenetics and Evolution* 69: 906–918. **[4]**

Skinner A, Lee MS. 2009. Body-form evolution in the scincid lizard clade *Lerista* and the mode of macroevolutionary transitions. *Evolutionary Biology* 36: 292–300. **[4]**

Skoczylas, R. 1978. Physiology of the digestive tract. *In* Gans C, Gans KA (eds.). *Biology of the Reptilia, Vol. 8: Physiology B*, pp. 589–717. Academic Press, New York. **[3]**

Skutschas P, Martin T. 2011. Cranial anatomy of the stem salamander *Kokartus honorarius* (Amphibia: Caudata) from the Middle Jurassic of Kyrgyzstan. *Zoological Journal of the Linnean Society* 161: 816–838. **[3]**

Smiseth PT, Kölliker M, Royle NJ. 2012. What is parental care? *In* Royle NJ, Smiseth PT, Kölliker M (eds.). *The Evolution of Parental Care*, pp. 1–17. Oxford University Press, Oxford. **[8]**

Smissen PJ, Melville J, Sumner J, Jessop TS. 2013. Mountain barriers and river conduits: Phylogeographical structure in a large, mobile lizard (Varanidae: *Varanus varius*) from eastern Australia. *Journal of Biogeography* 40: 1729–1740. **[12]**

Smith CF, Schuett GW, Earley RL, Schwenk K. 2009. The spatial and reproductive ecology of the copperhead (*Agkistrodon contortrix*) at the northeastern extreme of its range. *Herpetological Monographs* 23: 45–73. **[12]**

Smith CF, Schwenk K, Earley RL, Schuett GW. 2008. Sexual size dimorphism of the tongue in a North American pit viper. *Journal of Zoology* 274: 367–374. **[13]**

Smith JM, Barnes WJP, Downie JR, Ruxton GD. 2006. Structural correlates of increasing adhesive efficiency with adult size in the toe pads of hylid tree frogs. *Journal of Comparative Physiology A* 192: 1193–1204. **[10]**

Smith KK. 1982. An electromyographic study of the function of the jaw adducting muscles in *Varanus exanthematicus* (Varanidae). *Journal of Morphology* 173: 137–158. **[11]**

Smith MA, Green DM. 2005. Dispersal and the metapopulation paradigm in amphibian ecology and conservation: Are all amphibian populations metapopulations? *Ecography* 28: 110–126. **[12]**

Smith MH, Scribner KT. 1990. Population genetics of the slider turtle. *In* Gibbons JW (ed). *Life History and Ecology of the Slider Turtle*, pp. 74–81. Smithsonian Institution Press, Washington, DC. **[12]**

Smith RB, Seigel RA, Smith KR. 1998. Occurrence of upper respiratory tract disease in gopher tortoise populations in Florida and Mississippi. *Journal of Herpetology* 32: 426–430. **[17]**

Smith SA, Austin CC, Shine R. 2001. A phylogenetic analysis of variation in reproductive mode within an Australian lizard (*Saiphos equalis*, Scincidae). *Biological Journal of the Linnean Society* 74: 131–139. **[9]**

Smith TL, Bevelander GS, Kardong KV. 2005. Influence of prey odor concentration on the poststrike trailing behavior of the northern Pacific rattlesnake. *Herpetologica* 61: 111–115. **[15]**

Soares D. 2002. An ancient sensory organ in crocodilians. *Nature* 417: 241–242. **[4]**

Socha JJ, Miklasz K, Jafari F, Vlachos PP. 2010. Non-equilibrium trajectory dynamics and the kinematics of gliding in a flying snake. *Bioinspiration & Biomemetics* 5: 045002 doi: 10.1088/1748–3182/5/4/045002 **[10]**

Socha JJ. 2002. Gliding flight in the paradise tree snake. *Nature* 418: 603–604. **[10]**

Socha JJ. 2011. Flight in *Chrysopelea*: Turning a snake into a wing. *Integrative and Comparative Biology* 51: 969–982. **[15]**

Socha JJ. 2011. Gliding flight in *Chrysopelea*: Turning a snake into a wing. *Integrative and Comparative Biology* 51: 969–982.Socha JJ, LaBarbera M. 2005. Effects of size and behavior on aerial performance of two species of flying snakes (*Chrysopelea*). *Journal of Experimental Biology* 208: 1835–1847. **[10]**

Soini P. 1984. Ecología y situación de la charapa (*Podocnemis expansa*): Informe preliminar. *In* Soini P, Tovar Am Valdez U (eds.). *Reporte Pacaya-Samiria, Investigaciones en la*

Estación Biológica Cahuana, 1979–1994, pp. 177–183. Universidad Nacional Agraria La Molina, Lima, Peru. **[4]**

Som C, Anholt BR, Reyer H-U. 2000. The effect of assortative mating on the coexistence of a hybridogenetic waterfrog and its sexual host. *American Naturalist* 156: 34–46. **[8]**

Somaweera R, Brian M, Shine R. 2013. The role of predation in shaping crocodilian natural history. *Herpetological Monographs* 27: 23–51. **[15]**

Somaweera R, Webb JK, Brown GP, Shine R. 2011. Hatchling Australian freshwater crocodiles rapidly learn to avoid toxic invasive cane toads. *Behaviour* 148: 501–517. **[15]**

Somma LA, Fawcett JD. 1989. Brooding behavior of the prairie skink, *Eumeces septentrionalis*, and its relationship to the hydric environment of the nest. *Zoological Journal of the Linnean Society* 95: 245–256. **[9]**

Soto-Azat, C, Valenzuela-Sánchez, A, Collen, B, Rowcliffe, JM, Veloso, A, Cunningham, AA. 2013. The population decline and extinction of Darwin's frogs. *PloS One* 8: e66957. **[3]**

Souder W. 2000. *A Plague of Frogs: The Horrifying True Story*. Hyperion, New York. **[17]**

Sparling DW, Linder G, Bishop CA, Krest SK (eds). 2010. *Ecotoxicology of Amphibians and Reptiles*, Second Ed. CRC Press, Boca Raton, FL. **[17]**

Sperry JH, Weatherhead PJ. 2009. Sex differences in behavior associated with sex-biased mortality in an oviparous snake species. *Oikos* 118: 627–633. **[12]**

Spinks PQ, Shaffer HB. 2009. Conflicting mitochondrial and nuclear phylogenies for the widely disjunct *Emys* (Testudines: Emydidae) species complex, and what they tell us about biogeography and hybridization. *Systematic Biology* 58: 1–20. **[4]**

Spinks PQ, Shaffer HB, Iverson JB, McCord WP. 2004. Phylogenetic hypotheses for the turtle family Geoemydidae. *Molecular Phylogenetics and Evolution* 32: 164–182. **[4]**

Spinks PQ, Thomson RC, Gidiş M, Shaffer HB. 2014. Multilocus phylogeny of the New World mud turtles (Kinosternidae) supports the traditional classification of the group. *Molecular Phylogenetics and Evolution* 76: 254–260. **[4]**

Spinks PQ, Thomson RC, Lovely GA, Shaffer HB. 2009. Assessing what is needed to resolve a molecular phylogeny: Simulations and empirical data from emydid turtles. *BMC Evolutionary Biology* 9: 56. **[4]**

Spinner M, Kovalev A, Gorb SN, Westhoff G. 2013. Snake velvet black: Hierarchical micro- and nanostructure enhances dark colouration in *Bitis rhinoceros*. *Scientific Reports* 3: 1846 DOI: 10.1038/srep01846. **[4]**

Spotila JR, O'Connor MP, Bakken GS. 1992. Biophysics of heat and mass transfer. *In* Feder ME, Burggren WW (eds.). *Environmental Physiology of the Amphibia.* pp. 59–80. University of Chicago Press, Chicago. **[6]**

Stahlschmidt ZR, DeNardo DF. 2011. Parental care in snakes. *In* Aldridge RD, Sever DM (eds.). *Reproductive Biology and Phylogeny of Snakes*, pp. 673–702. Science Publishers, Enfield, NH. **[9]**

Stahlschmidt ZR, Shine R, DeNardo DF. 2012. Temporal and spatial complexity of maternal thermoregulation in tropical pythons. *Physiological and Biochemical Zoology* 85: 219–230. **[9]**

Stamps JA. 1977. Social behavior and spacing patterns in lizards. *In* Gans C, Tinkle DW (eds.). *Biology of the Reptilia*, *Vol. 7*, pp. 265–334. Academic Press, London. **[12, 14]**

Stamps JA. 1983. Sexual selection, sexual dimorphism, and territoriality. *In* Huey RB, Pianka ER, Schoener TW (eds.). *Lizard Ecology: Studies of a Model Organism*, pp. 169–204. Harvard University Press, Cambridge, MA. **[12, 14]**

Stamps JA. 1994. Territorial behavior: Testing the assumptions. *Advances in the Study of Behavior* 23: 173–232. **[12]**

Stamps JA. 1995. Using growth-based models to study behavioral factors influencing sexual size dimorphism. *Herpetological Monographs* 9: 75–87. **[14]**

Stanley EL, Bauer AM, Jackman TR, Branch WR, Mouton PLFN. 2011. Between a rock and a hard polytomy: Rapid radiation in the rupicolous girdled lizards (Squamata: Cordylidae). *Molecular Phylogenetics and Evolution* 58: 53–70. **[4]**

Stapley J, Whiting MJ. 2006. Ultraviolet signals fighting ability in a lizard. *Biology Letters* 2: 169–172. **[13]**

Starnberger I, Poth D, Peram PS, Schulz S, Vences M, Knudsen J, Barej MF, Rödel M-O, Walzl M, Hödl W. 2013. Take time to smell the frogs: Vocal sac glands of reed frogs (Anura: Hyperoliidae) contain species-specific chemical cocktails. *Biological Journal of the Linnean Society* 110: 828–838. **[13]**

Stavenga DG, Wilts BD. 2014. Oil droplets of bird eyes: Microlenses acting as spectral filters. *Philosophical Transactions of the Royal Society B* 369: 20130041. **[4]**

Steele CA, Carstens BC, Storfer A, Sullivan J. 2005. Testing hypotheses of speciation timing in *Dicamptodon copei* and *D. aterrimus* (Caudata: Dicamptodontidae). *Molecular Phylogenetics and Evolution* 36: 90–100. **[3]**

Steele CA, Storfer A. 2006. Coalescent based hypothesis testing supports multiple Pleistocene refugia in the Pacific Northwest for the Pacific giant salamander (*Dicamptodon tenebrosus*). *Molecular Ecology* 15: 2477–2487. **[3]**

Steele CA, Storfer A. 2007. Phylogeographic incongruence of codistributed amphibian species based on small differences in geographic distribution. *Molecular Phylogenetics and Evolution* 43: 468–479. **[3]**

Steinfartz S, Veith M, Tautz, D. 2000. Mitochondrial sequence analysis of Salamandra taxa suggests old splits of major lineages and postglacial recolonizations of Central Europe from distinct source populations of *Salamandra salamandra*. *Molecular Ecology* 9: 397–410. **[5]**

Steinfartz S, Vicario S, Arntzen JW, Caccone A. 2007. A Bayesian approach on molecules and behavior: reconsidering phylogenetic and evolutionary patterns of the Salamandridae with emphasis on *Triturus* newts. *Journal of Experimental Zoology B: Molecular and Developmental Evolution* 308: 139–162. **[3]**

Stenberg P, Saura A. 2009. Cytology of asexual animals. *In* Schön I, Martens K, van Dijk P (eds.). *Lost Sex: The Evolutionary Biology of Parthenogenesis*, pp. 63–74. Springer Scientific, Dordrecht, The Netherlands. **[9]**

Stenhouse SL, Hairston NG, Cobey AE. 1983. Predation and competition in *Ambystoma* larvae: Field and laboratory experiments. *Journal of Herpetology* 17: 210–220. **[16]**

Stephenson B, Verrell P. 2003. Courtship and mating of the tailed frog (*Ascaphus truei*). *Journal of Zoology* 259: 15–22. **[8]**

Stephenson EM, Stephenson NG. 1957. Field observations on the New Zealand frog *Leiopelma fitzinger*. *Transactions of the Royal Society of New Zealand* 84: 867–882. **[3]**

Sterli J, de la Fuente MS, Rougier GW. 2007 Anatomy and relationships of *Palaeochersis talampayensis*, a Late Triassic turtle from Argentina. *Palaeontographica Abt. A* 281: 1–61. **[4]**

Stewart JR. 2013. Fetal nutrition in lecithotrophic squamate reptiles: Toward a comprehensive model for evolution of viviparity and placentation. *Journal of Morphology* 274: 824–843. **[9]**

Stewart KR, James MC, Roden S, Dutton PH. 2013. Assignment tests, telemetry and tag-recapture data converge to identify natal origins of leatherback turtles foraging in Atlantic Canadian waters. *Journal of Animal Ecology* 82: 791–803. **[12]**

Stewart MM. 1985. Arboreal habitat use and parachuting by a subtropical forest frog. *Journal of Herpetology* 19: 391–401. **[10]**

Stickel LF. 1989. Home range behavior among box turtles (*Terrepene c. carolina*) of a bottomland forest in Maryland. *Journal of Herpetology* 23: 40–44. **[12, 17]**

Stoelting, RE, Measey, GJ, Drewes, RC. 2014. Population genetics of the São Tomé caecilian (Gymnophiona: Dermophiidae: *Schistometopum thomense*) reveals strong geographic structuring. *PloS One* 9: e104628. **[3]**

Storey KB. 2015. Regulation of hypometabolism: Insights into epigenetic controls. *Journal of Experimental Biology* 218: 150–159. **[7]**

Storey KB, Storey JM. 2004. Metabolic rate depression in animals: Transcriptional and translational controls. *Biological Reviews* 79: 207–233. **[7]**

Storey KB, Storey JM. 2010. Metabolic regulation and gene expression during aestivation. *In* Navas CA, Carvalho JE (eds.), *Aestivation: Molecular and Physiological Aspects*, pp. 26–45. Springer-Verlag Berlin Heidelberg, Germany. **[7]**

Storey, M, Mahoney JJ, Saunders AD, Duncan RA, Kelley SP, Coffin MF. 1995. Timing of hot spot-related volcanism and the breakup of Madagascar and India. *Science* 267: 852–855. **[5]**

Stuart BL, Bain RH, Phimmachak S, Spence K. 2010. Phylogenetic systematics of the *Amolops monticola* group (Amphibia: Ranidae), with description of a new species from northwestern Laos. *Herpetologica* 66: 52–66. **[3]**

Stuart-Fox DM, Firth D, Moussalli A, Whiting MJ. 2006. Multiple signals in chameleon contests: Designing and analysing animal contests as a tournament. *Animal Behaviour* 71: 1263–1271. **[13]**

Stuart-Fox DM, Moussalli A. 2008. Selection for social signaling drives the evolution of chameleon colour change. *PLoS Biology* 6: 0022-0029. **[13]**

Stuart-Fox DM, Whiting MJ. 2005. Male dwarf chameleons assess risk of courting large, aggressive females. *Biology Letters* 1: 231–234. **[13]**

Stynoski JL. 2009. Discrimination of offspring by indirect recognition in an egg-feeding dendrobatid frog, *Oophaga pumilio*. *Animal Behaviour* 78: 1351–1356. **[8]**

Stynoski JL, Shelton G, Stynoski P. 2014. Maternally derived chemical defences are an effective deterrent against some predators of poison frog tadpoles (*Oophaga pumilio)*. *Biology Letters* 10: 20140187. doi: 1098/rsbl.2014.0187. **[15]**

Stynoski JL, Torres-Mendoza Y, Sasa-Marin M, Saporito RA. 2014. Evidence of maternal provisioning of alkaloid-based chemical defenses in the strawberry poison frog *Oophaga pumilio*. *Ecology* 95: 587–593. **[8]**

Sues HD, Reisz RR. 1995. First record of the early Mesozoic sphenodontian *Clevosaurus* (Lepidosauria: Rhynchocephalia) from the southern hemisphere. *Journal of Paleontology* 69: 123–126. **[4]**

Sullivan BK, Ryan MJ, Verrell PA. 1995. Female choice and mating system structure. *In* Heatwole H, Sullivan BK (eds.). *Amphibian Biology, Vol. 2: Social Behaviour*, pp. 469–517. Surrey Beatty and Sons, Chipping Norton, New South Wales, Australia. **[14]**

Sullivan BK. 1989. Desert environments and the structure of anuran mating systems. *Journal of Arid Environments* 17: 175–183. **[14]**

Sullivan RM, Lucas SG. 1988. Fossil Squamata from the San José Formation, early Eocene, San Juan Basin, New Mexico. *Journal of Paleontology* 62: 631–639. **[5]**

Summers AP, O'Reilly JC. 1997. A comparative study of locomotion in the caecilians *Dermophis mexicanus* and *Typhlonectes natans* (Amphibia: Gymnophiona). *Zoological Journal of the Linnean Society* 121: 65–76. **[10]**

Summers AP, Wake MH. 2005 The retroarticular process, streptostyly, and the caecilian jaw closing system. *Zoology* 108: 307–315. **[3]**

Summers K, McKeon CS, Heying H. 2006. The evolution of parental care and egg size: A comparative analysis in frogs. *Proceedings of the Royal Society London B* 273: 687–692. **[8]**

Summers K, McKeon CS. 2004. The evolutionary ecology of phytotelmata use in neotropical poison frogs. *Miscellaneous Publications of the Museum of Zoology University of Michigan* 193: 55–73. **[15]**

Summers K, Tumulty J. 2014. Parental care, sexual selection, and mating systems in Neotropical poison frogs. *In* Macedo RH, Machado G (eds.). *Sexual Selection. Perspectives and Models from the Neotropics*, pp. 289–320. Academic Press, New York. **[8]**

Sun C, Shepard DB, Chong RA, Arriaza JL, Hall K, Castoe TA, Mueller RL. 2012. LTR retrotransposons contribute to genomic gigantism in plethodontid salamanders. *Genome Biology and Evolution* 4: 168–183. **[3]**

Sung Y-H, Karraker NE, Hau BCH. 2013. Demographic evidence of illegal harvesting of an endangered Asian turtle. *Conservation Biology* 27: 1421–1428. **[17]**

Surget-Groba Y, Heulin B, Guillaume C-P, Puky M, Semenov D, Orlova V, Kupriyanova L, Ghira I, Smajda B. 2006. Multiple origins of viviparity, or reversal from viviparity to oviparity? The European common lizard (*Zootoca vivipara*, Lacertidae) and the evolution of parity. *Biological Journal of the Linnean Society* 87: 1–11. **[4, 9]**

Surget-Groba Y, Heulin B, Guillaume CP, Thorpe RS, Kupriyanova L, Vogrin N, Smith N. 2001. Intraspecific phylogeography of *Lacerta vivipara* and the evolution of viviparity. *Molecular Phylogenetics and Evolution* 18: 449–459. **[4]**

Swart CC, de Sá RO 1999. The chondrocranium of the Mexican burrowing toad, *Rhinophrynus dorsalis*. *Journal of Herpetology* 33: 23–28. **[3]**

Symula R, Schulte R, Summers K. 2001. Molecular phylogenetic evidence for a mimetic radiation in Peruvian poison frogs supports a Müllerian mimicry hypothesis. *Proceedings of the Royal Society London B* 268: 2415–2421. **[3]**

Sztatecsny M, Jehle R, Burke T, Hödl W. 2006. Female polyandry under male harassment: The case of the common toad (*Bufo bufo*). *Journal of Zoology* 270: 517–522. **[14]**

Sztatecsny M, Preininger D, Freudmann A, Loretto M-C, Maier F, Hödl W. 2012. Don't get the blues: Conspicuous nuptial coloration of male moor frogs (*Rana arvalis*) supports visual

mate recognition during scramble competition in large breeding aggregations. *Behavioral Ecology and Sociobiology* 66: 1587–1593. **[13]**

Sztatecsny M, Strondl, C, Baieri A, Ries C, Hödl W. 2010. Chin up: Are the bright throats of male common frogs a condition-independent visual cue? *Animal Behaviour* 79: 779–786. **[13]**

Szymura JM. 1993. Analysis of hybrid zones with *Bombina*. *In* Harrison RG (ed.). *Hybrid Zones and the Evolutionary Process*, pp. 261–289. Oxford University Press, New York. **[3]**

Szyndlar Z. 1991a. A review of Neogene and Quaternary snakes of central and eastern Europe. Part I: Scolecophidia, Boidae, Colubrinae. *Estudios Geológicos* 47: 103–126. **[4]**

Szyndlar Z. 1991b. A review of Neogene and Quaternary snakes of Central and Eastern Europe. Part II: Natricinae, Elapidae, Viperidae. *Estudios Geologicos* 47: 237–266. **[4]**

Szyndlar Z, Böhme W. 1993. The fossil snakes of Germany: History of the faunas and of their exploration. *Mertensiella* 3: 381–431. **[4]**

Taigen TL, Pough FH, Stewart MM. 1984. Water balance of terrestrial anuran (*Eleutherodactylus coqui*) eggs: Importance of parental care. *Ecology* 65: 248–255. **[7, 8]**

Taigen TL, Wells KD. 1985. Energetics of vocalizations by an anuran amphibian. *Journal of Comparative Physiology* 155: 163–170. **[7]**

Talley BL, Muletz CR, Vredenburg VT, Fleischer RC, Lips KR. 2015. A century of *Batrachochytrium dendrobatidis* in Illinois amphibians (1888–1989). *Biological Conservation* 182: 254–261. **[17]**

Tanaka K. 1989. Mating strategy of male *Hynobius nebulosus* (Amphibia: Hynobiidae). *In* Matsui M, Hikida T, Goris RC (eds). *Current Herpetology in East Asia*, pp. 437–448. Herpetological Society of Japan, Kyoto, Japan. **[8]**

Tang Y-Z, Zhuang L-Z, Wang Z-W. 2001. Advertisement calls and their relation to reproductive cycles in *Gekko gekko* (Reptilia, Lacertilia). *Copeia* 2001: 248–253. **[4, 13]**

Tattersall GJ, Cadena V, Skinner MC. 2006. Respiratory cooling and thermoregulatory coupling in reptiles. *Respiratory Physiology and Neurobiology* 154: 302–318. **[6]**

Tattersall GJ, Eterovick PC, de Andrade DV. 2006. Tribute to R. G. Boutilier: Skin colour and body temperature changes in basking *Bokermannohyla alvarengai* (Bokermann 1956). *Journal of Experimental Biology* 209: 1185–1196. **[6]**

Tattersall GJ, Milsom WK, Abe AS, Brito SP, Andrade DV. 2004. The thermogenesis of digestion in rattlesnakes. *Journal of Experimental Biology* 207: 579–585. **[6]**

Taylor BE, Scott DE. 1997. Effects of larval density dependence on population dynamics of *Ambystoma opacum*. *Herpetologica* 53: 132–145. **[8]**

Taylor EH. 1968. *The Caecilians of the World: A Taxonomic Review*. University of Kansas Press, Lawrence, KS. **[3, 7]**

Taylor EN, DeNardo DF. 2011. Hormones and reproductive cycles in snakes. *In* Norris DO, Lopez KH (eds.). *Hormones and Reproduction of Vertebrates, Vol. 3*, pp. 355–372. Academic Press, Burlington, MA. **[9]**

Taylor RC, Klein BA, Ryan MJ. 2011a. Inter-signal interaction and uncertain information in anuran multimodal signals. *Current Zoology* 57: 153–161. **[13]**

Taylor RC, Klein BA, Stein J, Ryan MJ. 2011b. Multimodal signal variation in space and time: How important is matching a signal with its signaler? *Journal of Experimental Biology* 214: 815–820. **[13]**

Taylor RC, Ryan MJ. 2013. Interactions of multisensory components perceptually rescue túngara frog mating signals. *Science* 341: 273–274. **[13]**

Taylor, ML, Bunbury, N, Chong-Seng, L, Doak, N, Kundu, S, Griffiths, RA, Groombridge, JJ. 2012. Evidence for evolutionary distinctiveness of a newly discovered population of sooglossid frogs on Praslin Island, Seychelles. *Conservation Genetics* 13: 557–566. **[3]**

Tejedo M, Reques, R. 1994. Plasticity in metamorphic traits of natterjack tadpoles: The interactive effects of density and pond duration. *Oikos* 71: 295–304. **[8]**

Telemeco, RS, Elphick MJ, Shine R. 2009. Nesting lizards (*Bassiana duperreyi*) compensate partly, but not completely, for climate change. *Ecology* 90: 17–22. **[9]**

Tennessen JA, Zamudio KR. 2008. Genetic differentiation among mountain island populations of the striped plateau lizard, *Sceloporus virgatus* (Squamata: Phrynosomatidae). *Copeia* 2008: 558–564. **[5]**

Terrat Y, Sunagar K, Fry BG, Jackson TN, Scheib H, Fourmy R, Verdenaud M, et al. 2013. *Atractaspis aterrima* toxins: The first insight into the molecular evolution of venom in side-stabbers. *Toxins* 5: 1948–1964 **[4]**

Teynié A, David P, Lottier A, Le MD, Vidal N, Nguyen TQ. 2015. A new genus and species of xenodermatid snake (Squamata: Caenophidia: Xenodermatidae) from northern Lao People's Democratic Republic. *Zootaxa* 3926: 523–540. **[4]**

The Tree of Sex Consortium. 2014. Tree of Sex: A database of sexual systems. Sci. Data 1: 140015 doi: 10.1038/sdata.2014.15. **[9]**

Theismeier B, Hornberg C. 1990. Zum Fortpflanzung sowie zum Paarungsverhalten der Gibirgsmolche, Gattung *Euproctus* (Gené) im Terrarium, unter besonderer Berückssichtingung von *Euproctus asper* (Dugès, 1852). *Salamandra* 26: 63–82. **[8]**

Themudo, GE, Wielstra, B, Arntzen, JW. 2009. Multiple nuclear and mitochondrial genes resolve the branching order of a rapid radiation of crested newts (*Triturus*, Salamandridae). *Molecular Phylogenetics and Evolution* 52: 321–328. **[3]**

Thibaudeau G, Altig R. 1999. Endotrophic anurans: Development and evolution. *In* McDiarmid RW, Altig RA (eds.). *Tadpoles: The Biology of Anuran Larvae*, pp. 170–188. University of Chicago Press, Chicago. **[8]**

Thomas EO, Tsang L, Licht P. 1993. Comparative histochemistry of the sexually dimorphic skin glands of anuran amphibians. *Copeia* 1993: 133–143. **[3]**

Thomas RB, Montgomery WL. 2002. Conditional mating strategy in a long-lived vertebrate: Ontogenetic shifts in the mating tactics of male slide turtles (*Trachemys scripta*). *Copeia* 2002: 456–461. **[13]**

Thompson CW, Moore MC. 1991. Throat color reliably signals status in male tree lizards, *Urosaurus ornatus*. *Animal Behaviour* 42: 745–754. **[13]**

Thompson JN. 2013. *Relentless Evolution*. University of Chicago Press, Chicago. **[1]**

Thompson MB, Biazik JB, Lui S, Adams SM, Murphy CR. 2006. Morphological and functional changes to the uterus of lizards with different placental complexities. *Herpetological Monographs* 20: 178–185. **[9]**

Thompson MB, Packard GC, Packard MJ, Rose B. 1996. Analysis of the nest environment of tuatara *Sphenodon punctatus*. *Journal of Zoology*, London 238: 239–251. **[1, 9]**

Thompson MB, Russell KJ. 1999. Growth and energetics of embryos of the gecko, *Phyllodactylus marmoratus*, a species with hard-shelled eggs. *Herpetological Journal* 9: 37–42. **[9]**

Thompson MB, Speake BK. 2006. A review of the evolution of viviparity in lizards: Structure, function and physiology of the placenta. *Journal of Comparative Physiology B* 176: 179–189. **[9]**

Thompson RL. 1996. Larval habitat, ecology, and parental investment of *Osteopilus brunneus* (Hylidae). *In* Powell R., Henderson RW (eds.). *Contributions to West Indian Herpetology: A Tribute to Albert Schwartz*, pp. 259–269. Society for the Study of Amphibians and Reptiles, Ithaca, NY. **[8]**

Thomson RC, Shaffer HB. 2009. Sparse supermatrices for phylogenetic inference: Taxonomy, alignment, rogue taxa, and the phylogeny of living turtles. *Systematic Biology* 59: 42–58. **[4]**

Thomson RC, Shedlock AM, Edwards SV, Shaffer HB. 2008. Developing markers for multilocus phylogenetics in non-model organisms: A test case with turtles. *Molecular Phylogenetics and Evolution* 49: 514–525. **[4]**

Tiebout HM III, Cary JR. 1987. Dynamic spatial ecology of the water snake, *Nerodia sipedon*. *Copeia* 1987: 1–18. **[12]**

Tiffney BH. 1985. The Eocene North Atlantic land bridge: Its importance in Tertiary and modern phytogeography of the Northern Hemisphere. *Journal of the Arnold Arboretum* 66: 243–273. **[5]**

Tihen JA. 1958. Comments on the osteology and phylogeny of ambystomatid salamanders. *Bulletin of the Florida Museum of Natural History (Biological Sciences)* 3: 1–50. **[3]**

Tingle JL. 2012. Field observations on the behavioral ecology of the Madagascan leaf-nosed snake, *Langaha madagascariensis*. *Herpetological Conservation and Biology* 7: 442–448. **[4]**

Tinkle DW. 1969. The concept of reproductive effort and its relation to the evolution of life histories of lizards. *American Naturalist* 103: 501–516. **[9]**

Tinkle DW. 1973. A population analysis of the sagebrush lizard *Sceloporus graciosus* in southern Utah. *Copeia* 1973: 284–296. **[16]**

Tinkle DW, Congdon JD, Rosen PC. 1981. Nesting frequency and success: implications for the demography of painted turtles. *Ecology* 62: 1426–1432. **[15]**

Tinkle DW, Dunham AE. 1986. Comparative life histories of two syntopic sceloporine lizards. *Copeia* 1986: 1–18. **[4]**

Tinkle DW, Gibbons JW. 1977. The distribution and evolution of viviparity in reptiles. *Miscellaneous Publications Museum of Zoology, University of Michigan*, No. 154. **[9]**

Titus TA, Frost DR. 1996. Molecular homology assessment and phylogeny in the lizard family Opluridae (Squamata: Iguania). *Molecular Phylogenetics and Evolution* 6: 49–62. **[4]**

Titus TA, Larson A. 1996. Molecular phylogenetics of desmognathine salamanders (Caudata: Plethodontidae): A reevaluation of evolution in ecology, life history, and morphology. *Systematic Biology* 45: 451–472. **[8]**

Tobias ML, Viswanathan SS, Kelley DB. 1998. Rapping, a female receptive call, initiates male-female duets in the South African clawed frog. *Proceedings of the National Academy of Sciences USA* 95: 1870–1875. **[13]**

Todd BD, Luhring TM, Rothermel BB, Gibbons JW. 2009. Effects of forest removal on amphibian migrations: Implications for habitat and landscape connectivity. *Journal of Applied Ecology* 46: 554–561. **[12]**

Todd BD, Scott DE, Pechmann JHK, Gibbons JW. 2011. Climate change correlates with rapid delays and advancements in reproductive timing in an amphibian community. *Proceedings of the Royal Society London B* 278: 2191–2197. **[16, 17]**

Todd EV, Blair D, Georges A, Lukoschek V, Jerry DR. 2014. A biogeographical history and timeline for the evolution of Australian snapping turtles (Elseya: Chelidae) in Australia and New Guinea. *Journal of Biogeography* 41: 905–918. **[4]**

Todd, NPM. 2007. Estimated source intensity and active space of the American alligator (*Alligator mississippiensis*) vocal display. *Journal of the Acoustical Society of America* 122: 2906–2915. **[13]**

Toft CA. 1981. Feeding ecology of Panamanian litter anurans: Patterns in diet and foraging mode. *Journal of Herpetology* 15: 139–144. **[15]**

Toft CA. 1985. Resource partitioning in amphibians and reptiles. *Copeia* 1985: 1–21. **[16]**

Tokita M, Kuratani S. 2001. Normal embryonic stages in the Chinese softshelled turtle *Pelodiscus sinensis* (Trionychidae). *Zoological Science* 18: 705–715. **[9]**

Toledo LF, Haddad CFB. 2009. Colors and some morphological traits as defensive mechanisms in anurans. *International Journal of Zoology*. doi: 10.1155/2009/910892. **[15]**

Toledo LF, Haddad CFB. 2009. Defensive vocalizations of Neotropical anurans. *South American Journal of Herpetology* 4: 25–42. **[13]**

Toledo LF, Martins IA, Bruschi DP, Passos MA, Alexandre C, Haddad CFB. 2014. The anuran calling repertoire in the light of social context. *Acta Ethologica.* doi: 10.1007/s10211-014-0194–4. **[13]**

Toledo LF, Sazima I, Haddad CFB. 2010. Is it death feigning? Case in anurans. *Journal of Natural History* 44: 1979–1988. **[15]**

Toledo LF, Sazima I, Haddad CFB. 2011. Behavioural defences of anurans: An overview. *Ethology Ecology and Evolution* 23: 1–25. **[15]**

Tolley KA, Townsend TM, Vences M. 2013. Large-scale phylogeny of chameleons suggests African origins and Eocene diversification. *Proceedings of the Royal Society London B* 280: 20130184. **[4, 5]**

Torres J, Torres OJ, Marrero R. 2013. Autohemorrage in *Tropidophis xanthogaster* (Serpentes: Tropidophiidae) from Guanahacabibes, Cuba. *Herpetology Notes* 6: 579–581. **[4]**

Torres-Carvajal O, de Queiroz K. 2009. Phylogeny of hoplocercine lizards (Squamata: Iguania) with estimates of relative divergence times. *Molecular Phylogenetics and Evolution* 50: 31–43. **[4]**

Torres-Carvajal O, Schulte JA II, Cadle JE. 2006. Phylogenetic relationships of South American lizards of the genus *Stenocercus* (Squamata: Iguania): A new approach using a general mixture model for gene sequence data. *Molecular Phylogenetics and Evolution* 39: 171–185. **[4]**

Tosun DD. 2013. Crocodile farming and its present state in global aquaculture. *Journal of Fisheries Sciences* 7(1): 43–57. **[17]**

Touchon JC. 2012. A treefrog with reproductive mode plasticity reveals a changing balance for selection for nonaquatic egg laying. *The American Naturalist* 180: 733–743. **[8]**

Touchon JC, Warkentin KM. 2008. Reproductive mode plasticity: Aquatic and terrestrial oviposition in a treefrog. *Proceedings of the National Academy of Sciences USA* 105: 7495–7499. **[8]**

Townsend DS, Stewart MM, Pough FH. 1984. Male parental care and its adaptive significance in a neotropical frog. *Animal Behaviour* 32: 421–431. **[15]**

Townsend DS, Stewart MM. 1986. Courtship and mating behavior of a Puerto Rican frog, *Eleutherodactylus coqui*. *Herpetologica* 42: 165–170. **[8]**

Townsend DS. 1986. The costs of male parental care and its evolution in a Neotropical frog. *Behavioral Ecology and Sociobiology* 19: 187–195. **[8]**

Townsend TM, Alegre RE, Kelley ST, Wiens JJ, Reeder TW. 2008. Rapid development of multiple nuclear loci for phylogenetic analysis using genomic resources: An example from squamate reptiles. *Molecular Phylogenetics and Evolution* 47: 129–142. **[4]**

Townsend TM, Larson A, Louis E, Macey JR. 2004. Molecular phylogenetics of Squamata: The position of snakes, amphisbaenians, and dibamids, and the root of the squamate tree. *Systematic Biology* 53: 735–757. **[4]**

Townsend TM, Leavitt DH, Reeder TW. 2011a. Intercontinental dispersal by a microendemic burrowing reptile (Dibamidae). *Proceedings of the Royal Society London B* 278: 2568–2674. **[4, 5]**

Townsend TM, Mulcahy DG, Noonan BP, Sites JW Jr, Kuczynski CA, Wiens JJ, Reeder TW. 2011b. Phylogeny of iguanian lizards inferred from 29 nuclear loci, and a comparison of concatenated and species-tree approaches for an ancient, rapid radiation. *Molecular Phylogenetics and Evolution* 61: 363–380. **[4, 5]**

Townsend TM, Tolley KA, Glaw F, Böhme W, Vences M. 2011c. Eastward from Africa: Palaeocurrent-mediated chameleon dispersal to the Seychelles islands. *Biology Letters* 7: 225–228. **[5]**

Townsend TM, Vieites DR, Glaw F, Vences M. 2009. Testing species-level diversification hypotheses in Madagascar: The case of microendemic *Brookesia* leaf chameleons. *Systematic Biology* 58: 641–656. **[4, 5]**

Townsend, DS, Stewart MM, Pough FH. 1984. Male parental care and its adaptive significance in a Neotropical frog. *Animal Behaviour* 32: 421–431. **[8]**

Tracy CR. 1982. Biophysical modeling in reptilian physiology. *In* Gans C, Pough FH (eds.). *Biology of the Reptilia, Vol. 12: Physiology C, Physiological Ecology*, pp. 275–321. Academic Press, London. **[6]**

Tracy CR, Christian KA, Burnip N, Austin BJ, Cornall A, Iglesias S, Reynolds SJ, Tixier T, Le Noëne C. 2013. Thermal and hydric implications of diurnal activity by a small tropical frog during the dry season. *Austral Ecology* 38: 476–483. **[6]**

Tracy CR, Christian KA, Tracy CR. 2010. Not just small, wet, and cold: Effects of body size and skin resistance on thermoregulation and arboreality of frogs. *Ecology* 91: 1477–1481. **[6]**

Tracy CR, Laurence N, Christian KA. 2011. Condensation onto the skin as a means for water gain by treefrogs in tropical Australia. *The American Naturalist* 178: 553–558. **[6]**

Trauth MH, Larrasoaña JC, Mudelsee M. 2009. Trends, rhythms and events in Plio-Pleistocene African climate. *Quaternary Science Reviews* 28: 399–411. **[5]**

Travis J. 1983. Variation in development patterns of larval anurans in temporary ponds. I. Persistent variation within a *Hyla gratiosa* population. *Evolution* 37: 496–512. **[8]**

Travis J. 1984. Anuran size at metamorphosis: Experimental test of a model based on intraspecific competition. *Ecology* 65: 1155–1160. **[8]**

Trillmich KGK. 1983. The mating system of the marine iguana (*Amblyrhynchus cristatus*). *Zeitschrift für Tierpsychologie* 63: 141–172. **[14]**

Trivers RL, Willard DE. 1973. Natural selection of parental ability to vary the sex ratio of offspring. *Science* 179: 90–92. **[9]**

Troëng S, Dutton PH, Evans D. 2005a. Migration of hawksbill turtles *Eretmochelys imbricata* from Tortuguero, Costa Rica. *Ecography* 28: 394–402. **[12]**

Troëng S, Evans DR, Harrison E, Lagueux CJ. 2005b. Migration of green turtles *Chelonia mydas* from Tortuguero, Costa Rica. *Marine Biology* 148: 435–447. **[12]**

Troyer K. 1982. Transfer of fermentative microbes between generations in a herbivorous lizard. *Science* 216: 540–542. **[15]**

Troyer, K. 1984. Structure and function of the digestive tract of a herbivorous lizard *Iguana iguana*. *Physiological Zoology* 57: 1–8. **[15]**

Trueb L. 1973. Bones, frogs, and evolution. *In* Vial JL (ed.). *Evolutionary Biology of the Anurans: Contemporary Research on Major Problems*, pp. 65–113. University of Missouri Press, Columbia. **[3]**

Trueb L. 1996. Historical constraints and morphological novelties in the evolution of the skeletal system of pipid frogs (Anura: Pipidae). *In* Tinsley RC, Kobel HR (eds.). *The Biology of Xenopus*, pp. 349–377. Clarendon Press, Oxford. **[3]**

Trueb L, Báez AM 2006. Revision of the Early Cretaceous *Cordicephalus* from Israel and an assessment of its relationships among pipoid frogs. *Journal of Vertebrate Paleontology*. 26: 44–59. **[3]**

Trueb L, Cannatella DC. 1986. Systematics, morphology, and phylogeny of genus *Pipa* (Anura: Pipidae). *Herpetologica* 42: 412–449. **[3]**

Trueb L, Cloutier R. 1991. A phylogenetic investigation of the inter–and intrarelationships of the Lissamphibia (Amphibia: Temnospondyli). *In* Schultze HP, Trueb L (eds.). *Origins of the Major Groups of Tetrapods: Controversies and Consensus*, pp. 175–193. Cornell University Press, Ithaca, NY. **[2]**

Trueb L, Gans C. 1983. Feeding specializations of the Mexican burrowing toad, *Rhinophrynus dorsalis* (Anura: Rhinophrynidae). *Journal of Zoology, London* 199: 189–208. **[3, 11]**

Trueb L, Púgener LA, Maglia AM. 2000. Ontogeny of the bizarre: an osteological description of *Pipa pipa* (Anura: Pipidae), with an account of skeletal development in the species. *Journal of Morphology* 243: 75–104. **[3]**

Tsuji H, Matsui M. 2002. Male-male combat and head morphology in a fanged frog (*Rana kuhlii*) from Taiwan. *Journal of Herpetology* 36: 520–526. **[14]**

Tucker AD, McCallum HI, Limpus CJ, McDonald KR. 1998. Sex-biased dispersal in a long-lived polygynous reptile (*Crocodylus johnstoni*). *Behavioral Ecology and Sociobiology* 44: 85–90. **[12]**

Tulli MJ, Abdala V, Cruz FB. 2012. Effects of different substrates on the sprint performance of lizards. *Journal of Experimental Biology* 215: 774–784. **[10]**

Tumulty J, Morales V, Summers K. 2014. The biparental care hypothesis for the evolution of monogamy: Experimental evidence in an amphibian. *Behavioral Ecology* 25: 262–270. **[8]**

Tunner HG. 1992. Locomotory behaviour in water frogs from Neusiedlersee (Austria, Hungary). 15 km migration of *Rana lessonae* and its hybridogenetic associate *Rana esculenta*. *Proceedings of the 6th Ordinary General Meeting of the Societas Europas Herpetologicae,* Budapest, Hungary, pp. 449–452. **[12]**

Tunner HG, Nopp H. 1979. Heterosis in the common European water frog. *Naturwissenschaften* 78: 32–34. **[8]**

Tuttle MD, Ryan MJ. 1981. Bat predation and the evolution of frog vocalizations in the Neotropics. *Science* 214: 677–678. **[13]**

Tuttle MD, Taft LK, Ryan MJ. 1981. Acoustical localization of calling frogs by *Philander opossums*. *Biotropica* 13: 233–234. **[13]**

Twitty VC. 1966. *Of Scientists and Salamanders*. W. H. Freeman, San Francisco. **[12]**

Tyler MJ. 1983. *The Gastric Brooding Frog*. Croom Helm, London. **[8]**

Tyler MJ. 1991. Declining amphibian populations: A global phenomenon? An Australian perspective. *Alytes* 9: 43–50. **[17]**

Tyler MJ, Carter DB. 1981. Oral birth of the young of the gastric brooding frog *Rheobatrachus silus*. *Animal Behaviour* 29: 280–282. **[8, 17]**

Tyler MJ, Shearman DJC, Franco R, O'Brien P, Seamark RF, Kelly R. 1983. Inhibition of gastric acid secretion in the gastric brooding frog *Rheobatrachus silus*. *Science* 220: 609–610. **[3, 8]**

Tyler MJ, Wassersug R, Smith B. 2007. How frogs and humans interact: Influences beyond habitat destruction, epidemics and global warming. *Applied Herpetology* 4: 1–18. **[17]**

U. S. Fish & Wildlife Service. 2012. Kemp's Ridley Sea Turtle (*Lepidochelys kempii*). North Florida Ecological Services Office. www.fws.gov/northflorida/seaturtles/turtle%20factsheets/kemps-ridley-sea-turtle.htm **[17]**

Uetz P, Hošek J. (eds.) 2015. The Reptile Database. http://www.reptile-database.org **[4]**

Uhrig EJ, LeMaster MP, Mason RT. 2014. Species specificity of methyl ketone profiles in the skin lipids of female garter snakes, genus *Thamnophis*. *Biochemical Systematics and Ecology* 53: 51–58. **[13]**

Uhrig EJ, Lutterschmidt DL, Mason RT, LeMaster MP. 2012. Pheromonal mediation of intraseasonal declines in the attractiveness of female red-sided garter snakes, *Thamnophis sirtalis parietalis*. *Journal of Chemical Ecology* 38: 71–80. **[13]**

Uller T, Olsson M. 2010. Offspring size and timing of hatchling determine survival and reproductive output in a lizard. *Oecologia* 162: 663–671. **[9]**

Underwood G. 1954. Categories of adaptation. *Evolution* 8: 365–377. **[4]**

Underwood G. 1967. A comprehensive approach to the classification of higher snakes. *Herpetologica* 23: 161–168. **[4]**

Underwood G. 1970. The eye. *In* Gans C, Parson TS (eds.). *Biology of the Reptila, Vol. 2: Morphology B*, pp. 1–98. Academic Press, London and New York. **[4]**

Underwood G. 1976. A systematic analysis of boid snakes. *In* Bellairs A d'A, Cox CB (eds.). *Morphology and Biology of Reptiles*, pp. 151–175. Linnean Society Symposium Series 3, London. **[4]**

Underwood G, Kochva E. 1993. On the affinities of the burrowing asps *Atractaspis* (Serpentes: Atractaspididae). *Zoological Journal of the Linnean Society* 107: 3–64. **[4]**

Underwood G, Stimson AF. 1990. A classification of pythons (Serpentes, Pythoninae). *Journal of Zoology* 221: 565–603. **[4]**

Urban MC, Phillips BL, Skelly DK, Shine R. 2008. A toad more traveled: The heterogeneous invasion dynamics of cane toads in Australia. *American Naturalist* 171: E134-E148. **[12]**

Ursprung E, Ringler M, Jehle R, Hödl W. 2011. Strong male/male competition allows for nonchoosy females: High levels of polygynandry in a territorial frog with paternal care. *Molecular Ecology* 20: 1759–1771. **[14]**

Uzzell T, Darevsky IS. 1975. Biochemical evidence for the hybrid origin of the parthenogenetic species of the *Lacerta saxicola* complex (Sauria: Lacertidae), with a discussion of some ecological and evolutionary implications. *Copeia* 1975: 204–222. **[4]**

Vaconcelos R, Carretero MA, Harris DJ. 2006. Phylogeography of the genus *Blanus* (worm lizards) in Iberia and Morocco based on mitochondrial and nuclear markers preliminary analysis. *Amphibia-Reptilia* 27: 339–346. **[4]**

Valenzuela N. 2001. Genetic differentiation among nesting beaches in the highly migratory giant river turtle (*Podocnemis expansa*) from Colombia. *Herpetologica* 57: 48–57. **[4]**

Valenzuela N. 2004. Thermal models of TSD under laboratory and field conditions. *In* Valenzuela N, Lance BA (eds.). *Temperature-Dependent Sex Determination in Vertebrates*, pp. 131–147. Smithsonian Institution Press, Washington, DC. **[9]**

Valenzuela N, Lance BA (eds.). 2004. *Temperature-Dependent Sex Determination in Vertebrates*. Smithsonian Institution Press, Washington, DC. **[9]**

Valido A, Rando JC, Nogales M, Martín A. 2000. 'Fossil' lizard found alive in the Canary Islands. *Oryx* 34: 71–76. **[17]**

Valle LD, Nardi A, Toni M, Emera D, Alibardi L. 2009. Beta-keratins of turtle shell are glycine-proline-tyrosine rich proteins similar to those of crocodilians and birds. *Journal of Anatomy* 214: 284–300. **[4]**

Vallin, G, Laurin M. 2004. Cranial morphology and affinities of *Microbrachis*, and a reappraisal of the phylogeny and lifestyle of the first amphibians. *Journal of Vertebrate Paleontology* 24: 56–72. **[2]**

Vallinoto M, Sequeira F, Sodré D, Bernardi JA, Sampaio I, Schneider H. 2010. Phylogeny and biogeography of the *Rhinella marina* species complex (Amphibia, Bufonidae) revisited: Implications for Neotropical diversification hypotheses. *Zoologica Scripta* 39: 128–140. **[5]**

van Berkum FH. 1988. Latitudinal patterns of the thermal sensitivity of sprint speed in lizards. *American Naturalist* 132: 327–343. **[16]**

van Berkum FH, Huey RB, Adams BA. 1986. Physiological consequences of thermoregulation in a tropical lizard (*Ameiva festiva*). *Physiological Zoology* 59: 464–472. **[1, 7]**

van Beurden EK. 1980. Energy metabolism of dormant Australian water-holding frogs (*Cyclorana platycephalus*). *Copeia* 1980: 787–799. **[7]**

Van Bocxlaer I, Biju SD, Loader SP, Bossuyt F. 2009. Toad radiation reveals into-India dispersal as a source of endemism in the Western Ghats-Sri Lanka biodiversity hotspot. *BMC Evolutionary Biology*, 9: 131. **[3, 5]**

Van Bocxlaer I, Biju SD, Willaert B, Giri VB, Shouche YS, Bossuyt F. 2012. Mountain-associated clade endemism in an ancient frog family (Nyctibatrachidae) on the Indian subcontinent. *Molecular Phylogenetics and Evolution* 62: 839–847. **[3]**

Van Bocxlaer I, Loader SP, Roelants K, Biju SD, Menegon M, Bossuyt F. 2010. Gradual adaptation toward a range-expansion phenotype initiated the global radiation of toads. *Science.*327(5966), 679–682. **[3]**

Van Buskirk J. 2012. Permeability of the landscape matrix between amphibian breeding sites. *Ecology and Evolution* 2: 3160–3167. **[12]**

Van Damme R, Vanhooydonck B. 2001. Origins of interspecific variation in lizard sprint capacity. *Functional Ecology* 15: 186–202. **[15]**

Van der Meijden A, Crottini A, Tarrant J, Turner A, Vences M. 2011. Multi-locus phylogeny and evolution of reproductive modes in the Pyxicephalidae, an African endemic clade of frogs. *African Journal of Herpetology* 60: 1–12. **[3]**

Van der Meijden A, Vences M, Hoegg S, Boistel R, Channing A, Meyer A. 2007. Nuclear gene phylogeny of narrow-mouthed toads (Microhylidae) and a discussion of competing hypotheses concerning their biogeographical origins. *Molecular Phylogenetics and Evolution* 44: 1017–1030. **[3]**

Van der Meijden A, Vences M, Hoegg S, Meyer A. 2005. A previously unrecognized radiation of ranid frogs in Southern Africa revealed by nuclear and mitochondrial DNA sequences. *Molecular Phylogenetics and Evolution* 37: 674–685. **[3]**

Van Devender RW. 1978. Growth ecology of a tropical lizard, *Basiliscus basiliscus*. *Ecology* 59: 1031–1038. **[14]**

van Dijk PP, Iverson JB, Shaffer HB, Rhodin AG. 2011. Turtles of the world, 2010 update: Annotated checklist of taxonomy, synonymy, distribution, and conservation status. *Chelonian Research Monographs* 5: 85–164. **[4]**

Van Doorn K, Sivak JG. 2013. Blood flow dynamics in the snake spectacle. *Journal of Experimental Biology* 216: 4190–4195. **[4]**

Van Dyk DA, Taylor AJ, Evans CS. 2007. Assessment of repeated displays: A test of possible mechanisms. *Journal of Experimental Biology* 210: 3027–3035. **[13]**

Vanzolini PE, Heyer WR. 1985. The American herpetofauna and the interchange. *In* Stehli FG, Webb SD (eds.). *The Great American Biotic Interchange*, pp. 475–487. Plenum Press, New York. **[5]**

Vargas-Ramírez M, Castaño-Mora OV, Fritz U. 2008. Molecular phylogeny and divergence times of ancient South American and Malagasy river turtles (Testudines: Pleurodira: Podocnemididae). *Organisms Diversity and Evolution* 8: 388–398. **[4]**

Vargas-Ramírez M, Vences M, Branch WR, Daniels SR, Glaw F, Hofmeyr MD, Fritz U. 2010. Deep genealogical lineages in the widely distributed African helmeted terrapin: Evidence from mitochondrial and nuclear DNA (Testudines: Pelomedusidae: *Pelomedusa subrufa*). *Molecular Phylogenetics and Evolution* 56: 428–440. **[4, 5]**

Vásquez T, Pfennig KS. 2007. Looking on the bright side: Females prefer coloration indicative of male size and condition in the sexually dichromatic spadefoot toad, Scaphiopus couchii. Behavioral Ecology and Sociobiology 62: 127–135. **[13]**

Vassilieva AB, Galoyan EA, Poyarkov NA Jr. 2013. *Rhacophorus vampyrus* (Anura: Rhacophoridae) reproductive biology: A new type of oophagous tadpole in Asian treefrogs. *Journal of Herpetology* 47: 607–614. **[8]**

Vaughn LK, Bernheim HA, Kluger MJ. 1974. Fever in the lizard *Dipsosaurus dorsalis. Science* 252: 473–474. **[6]**

Veeranagoudar DK, Radder RS, Shanbhag BA, Saidapur SK. 2009. Jumping behavior of semiterrestrial tadpoles of *Indirana beddomii* (Günth.): Relative importance of tail and body size. *Journal of Herpetology* 43: 680–684. **[3]**

Veith M, Fromhage L, Kosuch J, Vences M. 2006. Historical biogeography of Western Palaearctic pelobatid and pelodytid frogs: A molecular phylogenetic perspective. *Contributions to Zoology* 75: 109–120. **[3]**

Veith M, Kosuch J, Rödel MO, Hillers A, Schmitz A, Burger M, Lötters S. 2009. Multiple evolution of sexual dichromatism in African reed frogs. *Molecular Phylogenetics and Evolution* 51: 388–393. **[3]**

Vélez A, Hödl W, Amézquita A. 2012. Sound or silence: Call recognition in the temporal domain by the frog *Allobates femoralis*. *Ethology* 118: 1–10. **[13]**

Vélez A, Schwartz JJ, Bee MA. 2013. Anuran acoustic signal perception in noisy environments. *In* Brumm H (ed.), *Animal Communication and Noise*, pp. 133–185. Springer-Verlag, Berlin. **[13]**

Vélez-Juarbe J, Brochu CA, Santos H. 2007. A gharial from the Oligocene of Puerto Rico: transoceanic dispersal in the history of a non-marine reptile. *Proceedings of the Royal Society London B* 274: 1245–1254. **[5]**

Velo-Antón G, Martínez-Solano I, García-París M. 2008. Beta-fibrinogen intron 7 variation in *Discoglossus* (Anura: Discoglossidae): Implications for the taxonomic assessment of morphologically cryptic species. *Amphibia-Reptilia* 29: 523–533. **[3]**

Velo-Antón G, Rodríguez D, Savage AE, Parra-Olea G, Lips KR, Zamudio KR. 2012. Amphibian-killing fungus loses genetic diversity as it spreads across the New World. *Biological Conservation* 146: 213–218. **[17]**

Vences M, Kosuch J, Boistel R, Haddad CF, La Marca, E, Lötters S, Veith M. 2003a. Convergent evolution of aposematic coloration in Neotropical poison frogs: A molecular phylogenetic perspective. *Organisms Diversity Evolution* 3: 215–226. **[3]**

Vences M, Kosuch J, Glaw F, Böhme W, Veith M. 2003. Molecular phylogeny of hyperoliid treefrogs: Biogeographic origin of Malagasy and Seychellean taxa and re-analysis of familial paraphyly. *Journal of Zoological Systematics and Evolutionary Research* 41: 205–215. **[5]**

Vences M, Kosuch J, Glaw F, Böhme W, Veith M. 2003b. Molecular phylogeny of hyperoliid treefrogs: Biogeographic origin of Malagasy and Seychellean taxa and re-analysis of familial paraphyly. *Journal of Zoological Systematics and Evolutionary Research* 41: 205–215. **[3]**

Vences M, Kosuch J, Rödel MO, Lötters S, Channing A, Glaw F, Böhme W. 2004. Phylogeography of *Ptychadena mascareniensis* suggests transoceanic dispersal in a widespread African-Malagasy frog lineage. *Journal of Biogeography* 31: 593–601. **[3, 5]**

Vences M, Sanchez E, Hauswaldt JS, Eikelmann D, Rodríguez, A, Carranza S, Steinfartz S. 2014. Nuclear and mitochondrial multilocus phylogeny and survey of alkaloid content in true salamanders of the genus *Salamandra* (Salamandridae). *Molecular Phylogenetics and Evolution* 73: 208–216. **[3]**

Vences M, Wahl-Boos G, Hoegg S, Glaw F, Spinelli Oliveira E, Meyer A, Perry S. 2007. Molecular systematics of mantelline frogs from Madagascar and the evolution of their femoral glands. *Biological Journal of the Linnean Society* 92: 529–539. **[3, 5]**

Vences M, Wanke S, Odierna G, Kosuch J, Veith M. 2000. Molecular and karyological data on the south Asian ranid genera *Indirana*, *Nyctibatrachus* and *Nannophrys* (Anura: Ranidae). *Hamadryad* 25: 75–82. **[3]**

Vences M, Wollenberg KC, Vieites DR, Lees DC. 2009. Madagascar as a model region of species diversification. *Trends in Ecology and Evolution* 24: 456–465. **[5]**

Vera Candioti MF. 2005. Morphology and feeding in tadpoles of *Ceratophrys cranwelli* (Anura: Leptodactylidae). *Acta Zoologica*, 86: 1–11. **[3]**

Vercken E, Sinervo B, Clobert J. 2012. The importance of a good neighborhood: Dispersal decisions in juvenile common lizards are based on social environment. *Behavioral Ecology* 23: 1059–1067. **[12]**

Verdade VK, Rodrigues MT. 2007. Taxonomic review of *Allobates* (Anura, Aromobatidae) from the Atlantic Forest, Brazil. *Journal of Herpetology* 41: 566–580. **[3]**

Verdade VK, Schiesari LC, Bertoluci JA. 2000. Diet of juvenile aquatic caecilians, *Typhlonectes compressicauda*. *Journal of Herpetology* 34: 291–293. **[8]**

Vergne AL, Aubin T, Martin S, Mathevon N. 2012. Acoustic communication in crocodilians: Information encoding and species specificity of juvenile calls. *Animal Cognition* 15: 1095–1109. **[13]**

Vergne AL, Aubin T, Taylor P, Mathevon N. 2011. Acoustic signals of baby black caimans. *Zoology* 114: 313–320. **[9, 13]**

Vergne AL, Mathevon N. 2008. Crocodile egg sounds signal hatching time. *Current Biology* 18: R513-R514. **[13]**

Vergne AL, Pritz MB, Mathevon N. 2009. Acoustic communication in crocodilians: From behaviour to brain. *Biological Reviews* 84: 391–411. **[13]**

Verrell PA, Krenz JD. 1998. Competition for mates in the mole salamander, *Ambystoma talpoideum*: Tactics that may maximize male mating success. *Animal Behaviour* 135: 121–138. **[14]**

Verrell PA. 1983. The influence of the ambient sex ratio and inter-male competition on the sexual behavior of the red-spotted newt, *Notophthalmus viridescens* (Amphibia: Urodela: Salamandridae). *Behavioral Ecology and Sociobiology* 13: 307–313. **[13]**

Verrell PA. 1989. An experimental study of the behavioral basis of sexual isolation between two plethodontid salamanders, *Desmognathus imitator* and *D. ochrophaeus*. *Ethology* 80: 274–282. **[13]**

Verrell PA. 1989. The sexual strategies of natural populations of newts and salamanders. *Herpetologica* 45: 265–282. **[14]**

Verwaijen D, Van Damme R. 2008. Wide home ranges for widely foraging lizards. *Zoology* 111: 37–47. **[12]**

Vesley M, Modry D. 2002. Rain-harvesting behavior in agamid lizards (*Trapelus*). *Journal of Herpetology* 36: 311–314. **[6]**

Vicario S, Caccone A, Gauthier J. 2003. Xantusiid "night" lizards: A puzzling phylogenetic problem revisited using likelihood-based Bayesian methods on mtDNA sequences. *Molecular Phylogenetics and Evolution* 26: 243–261. **[4]**

Vidal N, Azvolinsky A, Cruaud C, Hedges SB. 2008. Origin of tropical American burrowing reptiles by transatlantic rafting. *Biology Letters* 4: 115–118. **[4, 5]**

Vidal N, Branch WR, Pauwels OS, Hedges SB, Broadley DG, Wink M, Cruaud C, et al. 2008b. Dissecting the major African snake radiation: A molecular phylogeny of the Lamprophiidae Fitzinger (Serpentes, Caenophidia). *Zootaxa* 1945: 51–66. **[4]**

Vidal N, Delmas AS, David P, Cruaud C, Couloux A, Hedges SB. 2007. The phylogeny and classification of caenophidian snakes inferred from seven nuclear protein-coding genes. *Comptes Rendus Biologies* 330: 182–187. **[4]**

Vidal N, Dewynter M, Gower DJ. 2010b. Dissecting the major American snake radiation: A molecular phylogeny of the Dipsadidae Bonaparte (Serpentes, Caenophidia). *Comptes Rendus Biologies* 333: 48–55. **[4]**

Vidal N, Hedges SB. 2004. Molecular evidence for a terrestrial origin of snakes. *Proceedings of the Royal Society London B* 271(Suppl 4): S226–S229. **[4]**

Vidal N, Hedges SB. 2005. The phylogeny of squamate reptiles (lizards, snakes, and amphisbaenians) inferred from nine nuclear protein-coding genes. *Comptes Rendus Biologies* 328: 1000–1008. **[4]**

Vidal N, Hedges SB. 2009. The molecular evolutionary tree of lizards, snakes, and amphisbaenians. *Comptes Rendus Biologies* 332: 129–139. **[4]**

Vidal N, Marin J, Morini M, Donnellan S, Branch WR, Thomas R, Hedges SB. 2010a. Blindsnake evolutionary tree reveals long history on Gondwana. *Biology Letters* 6: 558–561. **[4]**

Vidal N, Marin J, Sassi J, Battistuzzi FU, Donnellan S, Fitch AJ, Hedges SB. 2012. Molecular evidence for an Asian origin of monitor lizards followed by Tertiary dispersals to Africa and Australasia. *Biology Letters* 8: 853–855. **[4, 5]**

Vidal N, Rage JC, Couloux A, Hedges SB. 2009. Snakes (Serpentes). *In* Hedges SB, Kumar S (eds.). *The Timetree of Life*, pp. 390–397. Oxford University Press, New York. **[4]**

Vidal-Garcia M. Byrne PG, Roberts JD, Keogh JS. 2014. The role of phylogeny and ecology in shaping morphology in 21 genera and 127 species of Australo-Papuan myobatrachid frogs *Journal of Evolutionary Biology* 27: 181–192. **[1]**

Videler JJ, Jorna JT. 1985. Functions of the sliding pelvis in *Xenopus laevis*. *Copeia* 1985: 251–254. **[10]**

Vieira GH, Colli GR, Báo SN. 2005. Phylogenetic relationships of corytophanid lizards (Iguania, Squamata, Reptilia) based on partitioned and total evidence analyses of sperm morphology, gross morphology, and DNA data. *Zoologica Scripta* 34: 605–625. **[4]**

Vieites DR, Min MS, Wake DB 2007. Rapid diversification and dispersal during periods of global warming by plethodontid salamanders. *Proceedings of the National Academy of Sciences USA* 104: 19903–19907. **[3, 5]**

Vieites DR, Nieto-Román S, Barluenga M, Palanca A, Vences M, Meyer A. 2004. Post-mating clutch piracy in an amphibian. *Nature* 431: 305–308. **[14]**

Vieites DR, Ratsoavina FM, Randrianiaina RD, Nagy ZT, Glaw F, Vences M. 2010. A rhapsody of colours from Madagascar: Discovery of a remarkable new snake of the genus *Liophidium* and its phylogenetic relationships. *Salamandra* 46: 1–10. **[4]**

Vieites DR, Román SN, Wake MH, Wake DB 2011. A multigenic perspective on phylogenetic relationships in the largest family of salamanders, the Plethodontidae. *Molecular Phylogenetics and Evolution* 59: 623–635. **[3, 11]**

Vieites DR, Wollenberg KC, Andreone F, Köhler J, Glaw F, Vences M. 2009. Vast underestimation of Madagascar's biodiversity evidenced by an integrative amphibian inventory. *Proceedings of the National Academy of Sciences USA* 106: 8267–8272. **[5]**

Villa J. 1984. Biology of a neotropical glass frog, *Centrolenella fleischmanni* (Boettger), with special reference to its frogfly associates. *Milwaukee Public Museum Contributions in Biology and Geology* 55: 1–60. **[3]**

Villa J, Valerio CE. 1982. Red, white, and brown: Preliminary observations on the color of the centrolenid tadpole (Amphibia: Anura: Centrolenidae). *Brenesia* 19/20: 1–16. **[3]**

Villagrán-Santa Cruz M, Méndez-de la Cruz FR, Hernández-Gallegos O. 2009. Reproductive cycle of the lizard *Sceloporus mucronatus* with comments on intraspecific geographic variation. *Western North American Naturalist* 69: 437–446. **[9]**

Vitousek MN, Mitchell MA, Woakes AJ, Niemack MD, Wikelski M. 2007. High costs of female choice in a lekking lizard. *PLoS One* 2(6): e567. doi: 10.1371/journal/pone.0000567. **[14]**

Vitt LJ, Avila-Pires TCS, Caldwell JP, Oliveira VRL. 1998. The impact of individual tree harvesting on thermal environments of lizards in Amazonian rain forest. *Conservation Biology* 12: 654–664. **[16]**

Vitt LJ, Caldwell JP. 2014. *Herpetology: An Introductory Biology of Amphibians and Reptiles*, Fourth Ed. Academic Press, New York,. **[16]**

Vitt LJ, Cooper WE. 1985. The evolution of sexual dimorphism in the skink *Eumeces laticeps*: An example of sexual selection. *Canadian Journal of Zoology* 63: 995–1002. **[14]**

Vitt LJ, Lacher TE Jr. 1981. Behavior, habitat, diet, and reproduction of the iguanid lizard *Polychrus acutirostris* in the caatinga of northeastern Brazil. *Herpetologica* 37: 53–63. **[4]**

Vitt LJ, Pianka ER. 2007. Feeding ecology in the natural world. *In* Reilly SM, McBrayer LD, Miles DB (eds.). *Lizard Ecology: The Evolutionary Consequences of Foraging Mode*, pp. 141–172. Cambridge University Press, Cambridge. **[15]**

Vitt LJ, Price HJ. 1982. Ecological and evolutionary determinants of relative clutch mass in lizards. *Herpetologica* 38: 237–255. **[15]**

Vitt LJ, Zani PA. 1996. Organization of a taxonomically diverse lizard assemblage in Amazonian Ecuador. *Canadian Journal of Zoology* 74: 1313–1335. **[4]**

Vliet KA. 1989. Social displays of the American alligator (*Alligator mississippiensis*). *American Zoologist* 29: 1019–1031. **[13]**

Vockenhuber EA, Hödl W, Amézquita A. 2009. Glassy fathers do matter: Egg attendance enhances embryonic survivorship in the glass frog *Hyalinobatrachium valerioi*. *Journal of Herpetology* 43: 340–344. **[8]**

von Brockhusen F. 1977. Untersuchungen zur individuellen varibilität der beuteannahme von *Anolis lineatopus* (Reptilia, Iguanidae). *Zeitschrift für Tierpsychologie* 44: 13–24. **[15]**

Vonk FJ, Admiraal JF, Jackson K, Reshef R, de Bakker MAG, Vanderschoot K, van den Berge I, van Atten M, Burgerhout E, Beck A, Mirtschin PJ, Kochva E, Witte F, Fry BG, Woods AE, Richardson MK. 2008. Evolutionary origin and development of snake fangs. *Nature* 454: 630–633. **[11]**

Voris HK. 1966. Fish eggs as the apparent sole food item for a genus of sea snake, *Emydocephalus* (Krefft). *Ecology* 47: 152–154. **[15]**

Voris HK. 1975. Dermal scale-vertebra relationships in sea snakes (Hydrophiidae). *Copeia* 1975: 746–757. **[4]**

Voris HK. 2000. Maps of Pleistocene sea levels in Southeast Asia: Shorelines, river systems and time durations. *Journal of Biogeography* 27: 1153–1167. **[5]**

Voris HK, Alfaro ME, Karns DR, Starnes GL, Thompson E, Murphy JC. 2002. Phylogenetic relationships of the Oriental-Australian rear-fanged water snakes (Colubridae: Homalopsinae) based on mitochondrial DNA sequences. *Copeia* 2002: 906–915. **[4]**

Voris HK, Glodek GS. 1980. Habitat, diet, and reproduction of the file snake, *Acrochordus granulatus*, in the Straits of Malacca. *Journal of Herpetology* 14: 108–111. **[4]**

Voss SR, HB Shaffer. 1997. Adaptive evolution via a major gene effect: Paedomorphosis in the Mexican axolotl. *Proceedings of the National Academy of Sciences USA* 94: 14185–14189. **[8]**

Voyles J, Young S, Berger L, Campbell C, Voyles WF, Dinudom A, Cook D, Webb R, Alford RA, Skerratt LF, Speare R. 2009. Pathogenesis of chytridiomycosis, a cause of catastrophic amphibian declines. *Science* 326(5952): 582–585. **[17]**

Vredenburg VT, Romansic JM, Chan LM, Tunstall T. 2010. Does UV-B radiation affect embryos of three high elevation amphibian species in California? *Copeia* 2010(3): 502–512. **[17]**

Wabnitz PA, Bowie JH, Tyler MJ, Wallace JC, Smith BP. 2000. Differences in the skin peptides of the male and female Australian tree frog *Litoria splendida*. The discovery of the aquatic male sex pheromone splendipherin, together with Phe8 caerulein and a new antibiotic peptide caerin 1.10. *European Journal of Biochemistry* 267: 269–275. **[13]**

Wager VA. 1965. *The Frogs of South Africa*. Purnell Sons, Cape Town. **[3]**

Wagner RS, Miller MP, Haig SM. 2006. Phylogeography and genetic identification of newly discovered populations of torrent salamanders (*Rhyacotriton cascadae* and *R. variegatus*) in the central Cascades (USA). *Herpetologica* 62: 63–70. **[3]**

Wagner WE, Jr., Sullivan BK. 1995. Sexual selection in the Gulf Coast toad, *Bufo valliceps*: Female choice based on variable characters. *Animal Behaviour* 49: 305–319. **[14]**

Wahbe TR, Ritland C, Bunnell FL, Ritland K. 2005. Population genetic structure of tailed frogs (*Ascaphus truei*) in clearcut and old-growth stream habitats in south coastal British Columbia. *Canadian Journal of Zoology* 83: 1460–1468. **[12]**

Wainwright PC, Bennett AF. 1992a. The mechanism of tongue projection in chameleons. I. Electromyographic tests of functional hypotheses. *Journal of Experimental Biology* 168: 1–21. **[11]**

Wainwright PC, Bennett AF. 1992b. The mechanism of tongue projection in chameleons. II. Role of shape change in a muscular hydrostat. *Journal of Experimental Biology* 168: 23–40. **[11]**

Wainwright PC, Kraklau DM, Bennett AF. 1991. Kinematics of tongue projection in *Chamaeleo oustaleti*. *Journal of Experimental Biology* 159: 109–133. **[4, 11]**

Wake DB. 1966. Comparative osteology and evolution of the lungless salamanders, family Plethodontidae. *Memoirs of the Southern California Academy of Sciences* 4: 1–111. **[3]**

Wake DB. 1982. Functional and developmental constraints and opportunities in the evolution of feeding systems in urodeles. *In* Mossakowski D, Roth G (eds.). *Environmental Adaptation and Evolution*, pp. 51–66. Gustav Fischer, New York. **[11]**

Wake DB. 1987. Adaptive radiation of salamanders in Middle American cloud forests. *Annals of the Missouri Botanical Garden* 74: 242–264. **[8]**

Wake DB. 1991. Homoplasy: The result of natural selection, or evidence of design limitations? *The American Naturalist* 138: 543–567. **[3]**

Wake DB. 2012. Taxonomy of salamanders of the family Plethodontidae (Amphibia: Caudata). *Zootaxa* 3484: 75–82. **[3]**

Wake DB. 2013. The enigmatic history of the European, Asian and American plethodontid salamanders. *Amphibia-Reptilia* 34: 323–336. **[3]**

Wake DB, Campbell JA. 2001. An aquatic plethodontid salamander from Oaxaca, Mexico. *Herpetologica* 57: 509–514. **[3]**

Wake DB, Deban SM. 2000. Terrestrial feeding in salamanders. *In* Schwenk K (ed.). *Feeding: Form, Function, and Evolution in Tetrapod Vertebrates*, pp. 95–116. Academic Press, San Diego. **[3, 11]**

Wake DB, Hanken J. 1996. Direct development in the lungless salamanders: What are the consequences for developmental biology, evolution and phylogenesis? *Journal of Developmental Biology* 40: 859–869. **[8]**

Wake DB, Larson A. 1987. Multidimensional analysis of an evolving lineage. *Science* 238: 42–48. **[3]**

Wake DB, Roth G, Wake MH. 1983. Tongue evolution in lungless salamanders, family Plethodontidae. III. Patterns of peripheral innervation. *Journal of Morphology* 178: 207–224. **[11]**

Wake DB, Vredenburg VT 2008. Are we in the midst of the sixth mass extinction? A view from the world of amphibians. *Proceedings of the National Academy of Sciences USA* 105 Supplement 1: 11466–11473. **[1, 17]**

Wake MH. 1977. The reproductive biology of caecilians: An evolutionary perspective. *In* Taylor DH, Guttman SI (eds.). *The Reproductive Biology of Amphibians*, pp. 73–101. Springer/Plenum, New York. **[3, 8]**

Wake MH. 1978. The reproductive biology of *Eleutherodactylus jasperi* (Amphibia, Anura, Leptodactylidae) with comments on the evolution of live-bearing systems. *Journal of Herpetology* 12: 121–133. **[8]**

Wake MH. 1980. The reproductive biology of *Nectophrynoides malcolmi* (Amphibia: Bufonidae), with comments on the evolution of reproductive modes in the genus *Nectophrynoides*. *Copeia* 1980: 193–209. **[3, 8]**

Wake MH. 1981. Structure and function of the male Müllerian gland in caecilians, with comments on its evolutionary significance. *Journal of Herpetology* 15: 17–22. **[8]**

Wake MH. 1986. Caecilians. *In* Halliday TR, Adler KK (eds.). *The Encyclopedia of Reptiles and Amphibians*, pp. 16–17. Equinox/Facts on File, New York. **[8]**

Wake MH. 1992. Reproduction in caecilians. *In* Hamlett WC (ed.). *Reproductive Biology of South American Vertebrates*, pp. 112–120. Springer New York. **[3, 8]**

Wake MH. 1993. Evolution of oviductal gestation in amphibians. *Journal of Experimental Zoology* 266: 394–413. **[3, 7, 8]**

Wake MH. 2006. A brief history of research on gymnophionan reproductive biology and development. *In* Exbrayat J-M (ed.). *Reproductive Biology and Phylogeny of Gymnophiona (Caecilians)*, pp. 1–37. Science Publishers, Enfield, New Hampshire. **[8]**

Wake MH, Hanken J. 1982. Development of the skull of *Dermophis mexicanus* (Amphibia: Gymnophiona), with comments on skull kinesis and amphibian relationships. *Journal of Morphology* 173: 203–223. **[3]**

Walker WF Jr. 1971. A structural and functional analysis of walking in the turtle *Chrysemys picta marginata*. *Journal of Morphology* 134: 195–213. **[10]**

Wall CE, Cozza S, Riquelme CA, McCombie WR, Heimiller JK, Marr TG, Leinwand LA. 2011. Whole transcriptome analysis of the fasting and fed Burmese python heart: Insights into extreme physiological cardiac adaptation. *Physiological Genomics* 43: 69–76. **[4]**

Wall M, Shine R. 2008. Postfeeding thermophily in lizards (*Lialis burtonis* Gray, Pygopodidae): Laboratory studies can provide misleading results. *Journal of Thermal Biology* 33: 274–279. **[6]**

Wallace RL, Diller LV. 1998. Length of larval cycle of *Ascaphus truei* in coastal streams of the redwood region, northern California. *Journal of Herpetology* 32: 404–409. **[3]**

Wallach V, Mercurio V, Andreone F. 2007. Rediscovery of the enigmatic blind snake genus *Xenotyphlops* in northern Madagascar, with description of a new species (Serpentes: Typhlopidae). *Zootaxa* 1402: 59–68. **[17]**

Wallach V, Pauwels OSG. 2008. The systematic status of *Cathetorhinus melanocephalus* Duméril Bibron, 1844 (Serpentes: Typhlopidae). *Hamadryad* 33: 39–47. **[4]**

Wallach VM, Andreone F. 2007. Rediscovery of the enigmatic blind snake genus *Xenotyphlops* in northern Madagascar, with description of a new species (Serpentes: Typhlopidae). *Zootaxa* 1402: 59–68. **[4]**

Wallach VM, Günther R. 1998. Visceral anatomy of the Malaysian snake genus *Xenophidion*, including a cladistic analysis and allocation to a new family (Serpentes: Xenophidiidae). *Amphibia-Reptilia* 19: 385–404. **[4]**

Wallach VM, Ineich I. 1996. Redescription of a rare Malagasy blind snake, *Typhlops grandidieri* Mocquard, with placement in a new genus (Serpentes: Typhlopidae). *Journal of Herpetology* 30: 367–376. **[4]**

Walls GL. 1931. The occurrence of colored lenses in the eyes of snakes and squirrels, and their probable significance. *Copeia* 1931: 125–127. **[4]**

Walls GL. 1942. *The Vertebrate Eye and Its Adaptive Radiation*. Cranbrook Institute of Science. Bloomfield Hills, MI. **[4]**

Walls SC, Blaustein AR. 1995. Larval marbled salamanders, *Ambystoma opacum*, eat their kin. *Animimal Behaviour* 50: 537–545. **[15]**

Walton M, Jayne BC, Bennett AF. 1990. The energetic cost of limbless locomotion. *Science* 249: 524–527. **[7, 10]**

Wang IJ. 2009. Fine-scale population structure in a desert amphibian: Landscape genetics of the black toad (*Bufo exsul*). *Molecular Ecology* 18: 3847–3856. **[12]**

Wang S, Lillywhite HB, Cheng YC, Tu MC. 2013. Variation of traits and habitat use in three species of sea kraits in Taiwan. *Journal of Zoology* 290: 19–26. **[7]**

Wang T, Carrier DR, Hicks JW. 1997. Ventilation and gas exchange in lizards during treadmill exercise. *Journal of Experimental Biology* 200: 2629–2639. **[7]**

Wang T, Smits AW, Burggren WW. 1998. Pulmonary function in reptiles. *In* Gans C, Gaunt AS (eds.) *Biology of the Reptilia, Vol. 19*, pp. 297–374. Society for the Study of Amphibians and Reptiles, Ithaca, NY. **[7]**

Wang X, Wang D, Wu X, Wang C, Wang R, Xi T. 2009b. Response specificity to advertisement vocalization in the Chinese alligator (*Alligator sinensis*). *Ethology* 115: 832–839. **[13]**

Wang X, Wang D, Zhang S, Wang C, Wang R, Wu X. 2009a. Why do Chinese alligators (*Alligator sinensis*) form bellowing choruses: A playback approach. *Journal of the Acoustical Society of America* 126: 2082–2087. **[13]**

Wang ZX, Sun NZ, Sheng WF. 1989. Aquatic respiration in soft-shelled turtles, *Trionyx sinensis*. *Comparative Biochemistry and Physiology Part A*: *Physiology* 92: 593–598. **[4, 7]**

Warbeck A, Breiter I, Parzefall J. 1996. Evidence for chemical communication in the aquatic caecilian *Typhlonectes natans* (Typhlonectidae, Gymnophiona). *Mèmoires de Biospèologie* 23: 37–41. **[3]**

Warkentin IG, Bickford D, Sodhi NS, Bradshaw CJA. 2009. Eating frogs to extinction. *Conservation Biology* 23(4): 1056–1059. **[17]**

Warkentin KM. 2005. How do embryos assess risk? Vibrational cues in predator-induced hatching of red-eyed treefrogs. *Animal Behavior* 70: 59–71. **[15]**

Warkentin KM, Buckley CR, Metcalf KA. 2006. Development of red-eyed treefrog eggs affects efficiency and choices of egg-foraging wasps. *Animal Behaviour* 71: 417–425. **[15]**

Warne RW, Charnov EL 2008. Reproductive allometry and the size-number trade-off for lizards. *American Naturalist* 172: E80–E98. **[9]**

Warner DA. 2011. Sex determination in reptiles. *In* Norris DO, Lopez KH (eds.). *Hormones and Reproduction of Vertebrates*, *Vol. 3*, pp. 1–38. Academic Press, Burlington, MA. **[9]**

Warner DA, Andrews RM. 2002. Nest-site selection in relation to temperature and moisture by the lizard *Sceloporus undulatus*. *Herpetologica* 58: 399–407. **[9]**

Warner DA, Jorgensen CF, Janzen FJ. 2010. Maternal and abiotic effects on egg mortality and hatchling size of turtles: Temporal variation in selection over 7 years. *Functional Ecology* 24: 857–866. **[9]**

Warner DA, Shine R. 2007. Fitness of juvenile lizards depends on seasonal timing of hatching, not offspring body size. *Oecologia* 154: 65–73. **[9]**

Warner DA, Shine R. 2008a. The adaptive significance of temperature-dependent sex determination in a reptile. *Nature* 451: 566–568. **[9]**

Warner DA, Shine R. 2008b. Maternal nest-site choice in a lizard with temperature-dependent sex determination. *Animal Behaviour* 75: 861–870. **[9]**

Warner DA, Shine R. 2011. Interactions among thermal parameters determine offspring sex under temperature-dependent sex determination. *Proceedings of the Royal Society London B* 278: 256–265. **[9]**

Waser PM, Wiley RH. 1979. Mechanisms and evolution of spacing in animals. *In* Marler P, Vanderberg JG (eds.). *Handbook of Behavioral Neurobiology*, *Vol. 3*: *Social Behavior and Communication*, pp. 159–223. Plenum Press, New York. **[12]**

Wasko DK, Sasa M. 2012. Food resources influence spatial ecology, habitat selection, and foraging behavior in an ambush-hunting snake (Viperidae: *Bothrops asper*): An experimental study. *Zoology* 115: 179–187. **[12]**

Wasonga DV, Channing A 2013. Identification of sand frogs (Anura: Pyxicephalidae: Tomopterna) from Kenya with the description of two new species. *Zootaxa* 3734: 221–240. **[3]**

Wassersug RJ. 1975. The adaptive significance of the tadpole stage with comments on the maintenance of complex life cycles in anurans. *American Zoologist* 15: 405–417. **[8]**

Wassersug RJ, Frogner KJ, Inger RF. 1981. Adaptations for life in tree holes by rhacophorid tadpoles from Thailand. *Journal of Herpetology* 15: 41–52. **[3]**

Wassersug RJ, Hoff K. 1979. A comparative study of the buccal pumping mechanism of tadpoles. *Biological Journal of the Linnean Society* 12: 225–259. **[11]**

Wassersug RJ, Pyburn WF. 1987. The biology of the Peret' toad, *Otophryne robusta* (Microhylidae), with special consideration of its fossorial larva and systematic relationships. *Zoological Journal of the Linnean Society* 91: 137–169. **[3, 11]**

Wassersug RJ, Wake DB. 1995. Fossil tadpoles from the Miocene of Turkey. *Alytes* 12: 145–157. **[3]**

Wassersug RJ, Yamashita M. 2001. Plasticity and constraints on feeding kinematics in anuran larvae. *Comparative Biochemistry and Physiology Part A* 131: 183–195. **[11]**

Wastell AR, Mackessy SP. 2011. Spatial ecology and factors influencing movement patterns of desert massasauga rattlesnakes (*Sistrurus catenatus edwardsii*) in southeastern Colorado. *Copeia* 2011: 29–37. **[12]**

Watabe K, Senga Y, Mori A, Koizumi N, Takemura T, Nishida K. 2012. Population model of *Rana japonica* crossing agricultural concrete canals: Evaluating population conservation by improving migration routes of frogs. *Paddy and Water Environment* 10: 223–229. **[12]**

Watkins JF II, Gehlbach FR, Kroll JC. 1969. Attactant-repellent secretions in blind snakes (*Leptotyphlops dulcis*) and army ants (*Neivamyrmex nigrescens*). *Ecology* 50: 1098–1102. **[4]**

Watts RA, Palmer RC, Feldhoff PW, Houck, LD, Jones AG, Pfrender ME, Rollmann SM, Arnold SJ. 2004. Stabilizing selection on behaviour and morphology masks positive selection on the signal in a salamander pheromone signaling complex. *Molecular Biology and Evolution* 21: 1032–1041. **[13]**

Weatherhead PJ, Hoysak DJ. 1989. Spatial and activity patterns of black rat snakes (*Elaphe obsoleta*) from radiotelemetry and recapture data. *Canadian Journal of Zoology* 67: 463–468. **[12]**

Webb GJW, Buckworth R, Manolis SC. 1983. *Crocodylus johnstoni* in the McKinlay River, Northern Territory. VI. Nesting biology. *Australian Wildlife Research* 10: 607–637. **[9]**

Webb GJW, Gans C. 1982. Galloping in *Crocodylus johnstoni*: A reflection of terrestrial activity? *Records of the Australian Museum* 34: 607–618. **[10]**

Webb GJW, Manolis C, Jenkins RWG. 2012. Improving international systems for trade in reptile skins based on sustainable use. United Nations Conference on Trade and Development. United Nations Publication, Document Number UNCTAD/DITC/TED/2011/7. **[17]**

Webb GJW, Sack GC, Buckworth R, Manolis SC. 1983. Examination of *Crocodylus porosus* nests in two northern Australian freshwater swamps, with an analysis of embryo mortality. *Australian Wildlife Research* 10: 571–605. **[9]**

Webb JK, Shine R. 1994. Feeding habits and reproductive biology of Australian pygopodid lizards of the genus *Aprasia*. *Copeia* 1994: 390–398. **[15]**

Webb JK, Shine R, Branch WR, Harlow PS. 2000. Life-history strategies in basal snakes: Reproduction and dietary habits of the African thread snake *Leptotyphlops scutifrons* (Serpentes: Leptotyphlopidae). *Journal of Zoology, London* 250: 321–327. **[11]**

Wegener JE, Swoboda S, Hawlitschek O, Franzen M, Wallach V, Vences M, Nagy ZT, Hedges SB, Köhler J, Glaw F. 2013. Morphological variation and taxonomic reassessment of the endemic Malagasy blind snake family Xenotyphlopidae (Serpentes, Scolecophidia). *Spixiana* 36: 269–282. **[5]**

Wegener JE, Swoboda S, Hawlitschek O, Franzen M, Wallach VM, Vences M, Glaw F. 2013. Morphological variation and taxonomic reassessment of the endemic Malagasy blind snake family Xenotyphlopidae. *Spixiana* 36: 269–282. **[4]**

Weins JJ, Brandley MC, Reeder TW. 2006. Why does a trait evolve multiple times within a clade? Repeated evolution of snakelike body form in squamate reptiles. *Evolution* 60: 123–141. **[10]**

Weinstein RB, Full RJ. 1999. Intermittent locomotion increases endurance in a gecko. *Physiological and Biochemical Zoology* 72: 732–739. **[7]**

Weinstein SA, Griffin R, Ismail AK. 2014. Non-front-fanged colubroid ("colubrid") snakebites: Three cases of local envenoming by the mangrove or ringed cat-eyed snake (*Boiga dendrophila*; Colubridae, Colubrinae), the Western beaked snake (*Rhamphiophis*

oxyrhynchus; Lamprophiidae, Psammophinae) and the rain forest cat-eyed snake (*Leptodeira frenata*; Dipsadidae). *Clinical Toxicology* 52: 277–282. **[11]**

Weinstein SA, Keyler DE. 2012. Replies to Fry et al. (*Toxicon* 2012, 60/4, 434-448). Part A. Analyses of squamate reptile oral glands and their products: A call for caution in formal assignment of terminology designating biological function. *Toxicon* 60: 954–963. **[4]**

Weinstein SA, Smith TL, Kardon KV. 2009. Reptile venom glands: Form, function, and future. *In* Mackessy SP (ed.). *Handbook of Venoms and Toxins of Reptiles*, pp. 65–91. CRC Press, Boca Raton, FL. **[4]**

Weintraub JD. 1970. Homing in the lizard *Sceloporus orcutti*. *Animal Behaviour* 18: 132–137. **[12]**

Weir J. 1992. The Sweetwater rattlesnake round-up: A case study in environmental ethics. *Conservation Biology* 6: 116–127. **[17]**

Weisrock DW, Harmon LJ, Larson A. 2005. Resolving deep phylogenetic relationships in salamanders: analyses of mitochondrial and nuclear genomic data. *Systematic Biology* 54: 758–777. **[3]**

Weisrock DW, Janzen FJ. 2000. Comparative molecular phylogeography of North American softshell turtles (*Apalone*): Implications for regional and wide-scale historical evolutionary forces. *Molecular Phylogenetics and Evolution* 14: 152–164. **[4]**

Weisrock DW, Macey JR, Matsui M, Mulcahy DG. 2013. Molecular phylogenetic reconstruction of the endemic Asian salamander family Hynobiidae (Amphibia, Caudata). *Zootaxa* 3626: 77–93. **[3]**

Weisrock DW, Papenfuss TJ, Macey JR, Litvinchuk SN, Polymeni R, Ugurtas IH, Larson A. 2006. A molecular assessment of phylogenetic relationships and lineage accumulation rates within the family Salamandridae (Amphibia, Caudata). *Molecular Phylogenetics and Evolution* 41: 368–383. **[3]**

Weiss SL. 2002. Reproductive signals of female lizards: Patterns of trait expression and male response. *Ethology* 108: 793–813. **[13]**

Weiss SL. 2006. Female-specific color is a signal of quality in the striped plateau lizard (*Sceloporus virgatus*). *Behavioral Ecology* 17: 726–732. **[13]**

Weldon PJ, Wheeler JW. 2000. The chemistry of crocodilian skin glands. *In* Grigg GC, Seebacher F, Franklin CE (eds.). *Crocodilian Biology and Evolution*, pp. 286–296. Surrey Beatty and Sons, Chipping Norton, New South Wales, Australia. **[13]**

Wells KD. 1977a. The social behaviour of anuran amphibians. *Animal Behaviour* 25: 666–693. **[14]**

Wells KD. 1977b. Territoriality and male mating success in the green frog (*Rana clamitans*). *Ecology* 58: 750–762. **[14]**

Wells KD. 1978. Territoriality in the green frog (*Rana clamitans*): Vocalizations and agonistic behaviour. *Animal Behaviour* 26: 1051–1063. **[13, 14]**

Wells KD. 1979. Reproductive behavior and male mating success in a Neotropical toad, *Bufo typhonius. Biotropica* 11: 301–307. **[14]**

Wells KD. 1980. Social behavior and communication of a dendrobatid frog (*Colostethus trinitatis*). *Herpetologica* 36: 189–199. **[13]**

Wells KD. 1988. The effect of social interactions on anuran vocal behavior. *In* Fritzsh B, Ryan MJ, Wilczynski W, Hetherington TE, Walkowiak W (eds.). *The Evolution of the Amphibian Auditory System*. Wiley, New York. **[13]**

Wells KD. 2001. The energetics of calling in frogs. *In* Ryan MJ (ed.). *Anuran Communication*, pp. 45–60. Smithsonian Institution Press, Washington DC. **[13]**

Wells KD. 2007. *The Ecology and Behavior of Amphibians*. University of Chicago Press, Chicago. **[1, 6, 7, 8, 11, 12, 13, 14, 15]**

Wells KD, Bevier CR. 1997. Contrasting patterns of energy substrate use in two species of frogs that breed in cold weather. *Herpetologica* 53: 70–80. **[7]**

Wells KD, Schwartz JJ. 2007. The behavioral ecology of anuran communication. *In* Narins PM, Feng AS (eds.). *Hearing and Sound Communication in Amphibians*, pp. 44–86. Springer-Verlag, New York. **[13]**

Wells KD, Taigen TL. 1989. Calling energetics of a Neotropical treefrog, *Hyla microcephala*. *Behavioral Ecology and Sociobiology* 25: 13–23. **[7]**

Welton LJ, Siler CD, Oaks JR, Diesmos AC, Brown RM. 2013. Multilocus phylogeny and Bayesian estimates of species boundaries reveal hidden evolutionary relationships and cryptic diversity in Southeast Asian monitor lizards. *Molecular Ecology* 22: 3495–3510. **[4]**

Wermuth H, Fuchs K. 1978. *Bestimmen von Krokodilen und ihrer Häute*. Gustav Fischer Verlag, Stuttgart. **[1]**

Werneburg I, Sánchez-Villagra MR. 2009. Timing of organogenesis support basal position of turtles in the amniote tree of life. *BMC Evolutionary Biology* 9: 82. **[2]**

Werneburg I, Sánchez-Villagra MR. 2009. Timing of organogenesis support basal position of turtles in the amniote tree of life. *BMC Evolutionary Biology* 9: 82, doi: 10.1186/1471–2148/9/82. **[9]**

Werner C, Rage J-C. 1994. Mid-Cretaceous snakes from Sudan. A preliminary report on an unexpectedly diverse snake fauna. *Comptes Rendus de l'Academie des Sciences* 319: 247–252. **[4]**

Werner DI. 1982. Social organization and ecology of land iguanas, *Conolophus subcristatus*, on Isla Fernandina, Galápagos. *In* Burghardt GM, Rand AS (eds.). *Iguanas of the World*, pp. 342–365. Noyes Publications, Park Ridge NJ. **[12]**

Werner DI. 1983. Reproduction in the iguana *Conolophus subcristatus* on Fernandina island, Galápagos: Clutch size and migration costs. *American Naturalist* 121: 757–775. **[9, 12]**

Werner EE. 1986. Amphibian metamorphosis: Growth rate, predation risk, and the optimal size at transformation. *American Naturalist* 128: 319–341. **[8]**

Westfall MC, Cecala KK, Price SJ, Dorcas ME. 2008. Patterns of trombiculid mite (*Hannemania dunni*) parasitism among plethodontid salamanders in the western piedmont of North Carolina. *Journal of Parasitology* 94: 631–634. **[15]**

Weygoldt P, de Carvalho e Silva SP. 1991. Observations on mating, oviposition, egg sac formation and development in the egg-brooding frog, *Fritziana goeldii*. *Amphibia-Reptilia* 12: 67–80. **[3]**

Weygoldt P, de Carvalho e Silva SP. 1992. Mating and oviposition in the hylodine frog *Crossodactylus gaudichaudii* (Anura: Leptodactylidae). *Amphibia-Reptilia* 13: 35–45. **[8]**

Weygoldt P. 1980. Complex brood care and reproductive behavior in captive poison-arrow frogs, *Dendrobates pumilio* O. Schmidt. *Behavioral Ecology and Sociobiology* 7: 329–332. **[8]**

Weygoldt P. 1987. Evolution of parental care in dart poison frogs (Amphibia: Anura: Dendrobatidae). *Zeitschrift fur Zoologische Systematik und Evolutionsforschung* 25: 51–67. **[8]**

White FN. 1973. Temperature and the Galápagos marine iguana: Insights into reptilian thermoregulation. *Comparative Biochemistry and Physiology A* 45: 503–513. **[6]**

Whitford WG, Creusere FM. 1977. Seasonal and yearly fluctuations in Chihuahuan desert lizard communities. *Herpetologica* 33: 54–65. **[16]**

Whiting AS, Bauer AM, Sites JW. 2003. Phylogenetic relationships and limb loss in sub-Saharan African scincine lizards (Squamata: Scincidae). *Molecular Phylogenetics and Evolution* 29: 582–598. **[4]**

Whiting AS, Sites Jr JW, Pellegrino K, Rodrigues MT. 2006. Comparing alignment methods for inferring the history of the new world lizard genus *Mabuya* (Squamata: Scincidae). *Molecular Phylogenetics and Evolution* 38: 719–730. **[5]**

Whiting MJ, Stuart-Fox DM, O'Connor D, Firths D, Bennett NC, Blomberg SP. 2006. Ultraviolet signals ultra-aggression in a lizard. *Animal Behaviour* 72: 353–363. **[13]**

Whiting MJ, Webb JK, Keogh JS. 2009. Flat lizard female mimics use sexual deception in visual but not chemical signals. *Proceedings of the Royal Society London B* 276: 1585–1591. **[13]**

Whittier JM, Mason RT, Crews D. 1985. Mating in the red-sided garter snake, *Thamnophis sirtalis parietalis*: Effects on male and female sexual behavior. *Behavioral Ecology and Sociobiology* 16: 257–261. **[14]**

Wickramasinghe LJM, Vidanapathirana DR, Ariyarathne S, Rajeev G, Chanaka A, Pastorini J, Chathuranga G, Wickramasinghe N. 2013a. Lost and found: One of the world's most elusive amphibian *Pseudophilautus stellatus* (Kelaart 1853) rediscovered. *Zootaxa* 3620: 112–128. **[17]**

Wickramasinghe LJM, Vidanapathirana DR, Rajeev MDG, Wickramasinghe N. 2013b. Rediscovery of *Pseudophilautus hypomelas* (Günther, 1876) (Amphibia: Anura: Rhacophoridae) from the Peak Wilderness, Sri Lanka, a species thought to be extinct! *Journal of Threatened Taxa* 5: 5181–5193. **[17]**

Wickramasinghe LJM, Vidanapathirana DR, Wickramasinghe N. 2012. Back from the dead: The world's rarest toad *Adenomus kandianus* rediscovered in Sri Lanka. *Zootaxa* 3347: 63–68 **[17]**

Wieczorek AM, Drewes RC, Channing A. 2000. Biogeography and evolutionary history of *Hyperolius* species: Application of molecular phylogeny. *Journal of Biogeography* 27: 1231–1243. **[3]**

Wiens JJ. 1998. Testing phylogenetic methods with tree congruence: phylogenetic analysis of polymorphic morphological characters in phrynosomatid lizards. *Systematic Biology*. 47: 427–444. **[4]**

Wiens JJ. 1999. Phylogenetic evidence for multiple losses of a sexually selected character in phrynosomatid lizards. *Proceedings of the Royal Society London B* 266: 1529–1535. **[13]**

Wiens JJ. 2011. Re-evolution of lost mandibular teeth in frogs after more than 200 million years, and re-evaluating Dollo's law. *Evolution*, 65: 1283–1296. **[3]**

Wiens JJ, Brandley MC, Reeder TW. 2006. Why does a trait evolve multiple times within a clade? Repeated evolution of snakelike body form in squamate reptiles. *Evolution* 60: 123–141. **[4, 9]**

Wiens JJ, Etheridge RE. 2003. Phylogenetic relationships of hoplocercid lizards: Coding and combining meristic, morphometric, and polymorphic data using step matrices. *Herpetologica* 59: 375–398. **[4]**

Wiens JJ, Fetzner JW, Parkinson CL, Reeder TW. 2005. Hylid frog phylogeny and sampling strategies for speciose clades. *Systematic Biology* 54: 778–807. **[3]**

Wiens JJ, Hutter CR, Mulcahy DG, Noonan BP, Townsend TM, Sites JW, Reeder TW. 2012. Resolving the phylogeny of lizards and snakes (Squamata) with extensive sampling of genes and species. *Biology Letters* 8: 1043–1046. **[4]**

Wiens JJ, Kuczynski CA, Hua X, Moen DS. 2010a. An expanded phylogeny of treefrogs (Hylidae) based on nuclear and mitochondrial sequence data. *Molecular Phylogenetics and Evolution* 55: 871–882. **[3, 4]**

Wiens JJ, Kuczynski CA, Townsend T, Reeder TW, Mulcahy DG, Sites JW. 2010b. Combining phylogenomics and fossils in higher-level squamate reptile phylogeny: Molecular data change the placement of fossil taxa. *Systematic Biology* 59: 674-688. **[3, 4]**

Wiens JJ, Kuczynski CA, Arif S, Reeder TW. 2010c. Phylogenetic relationships of phrynosomatid lizards based on nuclear and mitochondrial data, and a revised phylogeny for *Sceloporus*. *Molecular Phylogenetics and Evolution* 54: 150–161. **[4]**

Wiens JJ, Kuczynski CA, Stephens PR. 2010d. Discordant mitochondrial and nuclear gene phylogenies in emydid turtles: Implications for speciation and conservation. *Biological Journal of the Linnean Society* 99: 445–461. **[4]**

Wiens JJ, Kuczynski CA, Smith SA, Mulcahy DG, Sites Jr JW, Townsend TM, Reeder TW. 2008. Branch lengths, support, and congruence: Testing the phylogenomic approach with 20 nuclear loci in snakes. *Systematic Biology* 57: 420–431. **[3, 4]**

Wiens JJ, Parra-Olea G, García-París M, Wake DB. 2007. Phylogenetic history underlies elevational biodiversity patterns in tropical salamanders. *Proceedings of the Royal Society London B* 274: 919–928. **[16]**

Wiens JJ, Pyron RA, Moen DS. 2011. Phylogenetic origins of local-scale diversity patterns and the causes of Amazonian megadiversity. *Ecology Letters*, 14: 643–652. **[3]**

Wiens JJ, Slingluff JL. 2001. How lizards turn into snakes: A phylogenetic analysis of body-form evolution in anguid lizards. *Evolution* 55: 2303–2318. **[1]**

Wiens JJ, Sparreboom M, Arntzen JW. 2011. Crest evolution in newts: Implications for reconstruction methods, sexual selection, phenotypic plasticity and the origin of novelties. *Journal of Evolutionary Biology* 24: 2073–2086. **[13, 14]**

Wiens JJ, Sukumaran J, Pyron RA, Brown RM. 2009. Evolutionary and biogeographic origins of high tropical diversity in Old World frogs (Ranidae). *Evolution* 63: 1217–1231. **[3]**

Wiens JJ, Titus TA. 1991. A phylogenetic analysis of *Spea* (Anura: Pelobatidae). *Herpetologica*. 21–28. **[3]**

Wiewandt TA. 1982. Evolution of nesting patterns in iguanine lizards. *In* Burghardt GM, Rand AS (eds.). *Iguanas of the World*, pp. 119–141. Noyes Publications, Park Ridge, NJ. **[12]**

Wiggers W, Roth G, Eurich C, Straub A. 1995. Binocular depth perception mechanisms in tongue-projecting salamanders. *Journal of Comparative Physiology A* 176: 365–377. **[11]**

Wiggins PJ, Smith JM, Harris RN, Minbiole KPC. 2011. Gut of red-backed salamanders (*Plethodon cinereus*) may serve as a reservoir for an antifungal cutaneous bacterium. *Journal of Herpetology* 45: 329–332. **[17]**

Wijesinghe MR 2012 Toxic effects of pesticides: Empirical trials provide some indication of the imminent threats to amphibians. *Froglog* 20(5): 30–31. **[1]**

Wikelski M, Trillmich F. 1994. Foraging strategies of the Galápagos marine iguana (*Amblyrhynchus cristatus*): Adapting behavioral rules to ontogenetic size change. *Animal Behaviour* 48: 255–279. **[12]**

Wilbur HM. 1980. Complex life cycles. *Annual Review of Ecology and Systematics* 11: 67–93. **[8]**

Wilbur HM. 1997. Experimental ecology of food webs: Complex systems in temporary ponds. *Ecology* 78: 2279–2302. **[16]**

Wilbur HM, Collins JP. 1973. Ecological aspects of amphibian metamorphosis. *Science* 182: 1305–1314. **[8]**

Wilczynski W, Zakon HH, Brenowitz EA. 1984. Acoustic communication in spring peepers: Call characteristics and neurophysiological aspects. *Journal of Comparative Physiology A* 155: 577–584. **[13]**

Wiles GJ, Bart J, Beck RE Jr., Aguon CF. 2003. Impacts of the brown tree snake: Patterns of decline and species persistence in Guam's avifauna. *Conservation Biology* 17: 1350–1360. **[17]**

Wilkens LA, Hofmann MH. 2005. Behavior of animals with passive, low-frequency electrosensory systems. *In* Bullock TH, Hopkins CD, Popper AN, Fay RR (eds.). *Electroreception*, pp. 229–263. Springer, New York. **[15]**

Wilkeski M, Carbone C, Bednekoff PA, Choudhury S, Tebbich S. 2001. Why is female choice not unanimous? Insights from costly mate sampling in marine iguanas. *Ethology* 107: 623–638. **[14]**

Wilkeski M, Carbone C, Trillmich F. 1996. Lekking in marine iguanas: Female grouping and male reproductive strategies. *Animal Behaviour* 52: 581–596. **[14]**

Wilkinson A, Kuenstner K, Mueller J, Huber L. 2010. Social learning in a non-social reptile (*Geochelone carbonaria*). *Biology Letters* 6. doi: 10.1098/rsbl.2010.0092. **[15]**

Wilkinson M. 1996. Resolution of the taxonomic status of Nectocaecilia haydee (Roze) and a revised key to the genera of the Typhlonectidae (Amphibia: Gymnophiona). *Journal of Herpetology* 30: 413–415. **[3]**

Wilkinson M. 1997. Characters, congruence and quality: A study of neuroanatomical and traditional data in caecilian phylogeny. *Biological Reviews of the Cambridge Philosophical Society* 72: 423–470. **[3]**

Wilkinson M, Gower DJ, Loader SP, Müller H. 2013. A visceral synapomorphy of *Scolecomorphus* Boulenger, 1883 (Amphibia: Gymnophiona: Scolecomorphidae). *African Journal of Herpetology* 62: 21–27. **[3]**

Wilkinson M, Kupfer A, Marques-Porto R, Jeffkins H, Antoniazzi MM, Jared C. 2008. One hundred million years of skin feeding? Extended parental care in a Neotropical caecilian (Amphibia: Gymnophiona). *Biology Letters* 4: 358–361. **[3]**

Wilkinson M, Loader SP, Müller H, Gower DJ. 2004. Taxonomic status and phylogenetic relationships of *Boulengerula denhardti* Nieden, 1912 (Amphibia, Gymnophiona, Caeciliidae). *Zoosystematics and Evolution* 80: 41–51. **[3]**

Wilkinson M, Nussbaum RA. 1997. Comparative morphology and evolution of the lungless caecilian *Atretochoana eiselti* (Taylor) (Amphibia: Gymnophiona: Typhlonectidae). *Biological Journal of the Linnean Society* 62: 39–109. **[3]**

Wilkinson M, Nussbaum RA. 1998. Caecilian viviparity and amniote origins. *Journal of Natural History* 32: 1403–1409. **[3, 8]**

Wilkinson M, Nussbaum RA. 1999. Evolutionary relationships of the lungless caecilian *Atretochoana eiselti* (Amphibia: Gymnophiona: Typhlonectidae). *Zoological Journal of the Linnean Society* 126: 191–223. **[3]**

Wilkinson M, Nussbaum RA. 2006. Caecilian phylogeny and classification. *In* Exbrayat J-M (ed.). *Reproductive Biology and Phylogeny of Gymnophiona: Caecilians*, pp. 39–78. CRC Press/Taylor Francis, London. **[3]**

Wilkinson M, San Mauro D, Sherratt E, Gower DJ. 2011. A nine-family classification of caecilians (Amphibia: Gymnophiona). *Zootaxa*. 2874, 41–64. **[3]**

Wilkinson M. 1989. On the status of *Nectocaecilia fasciata* Taylor, with a discussion of the phylogeny of the Typhlonectidae (Amphibia: Gymnophiona). *Herpetologica* 45: 23–36. **[3]**

Willaert B and 14 others. 2013. Frog nuptial pads secrete mating season-specific proteins related to salamander pheromones. *Journal of Experimental Biology* 216: 4139–4143. **[13]**

Williams BL, Brodie ED Jr, Brodie ED III. 2003. Coevolution of deadly toxins and predator resistance: Self-assessment of resistance by garter snakes leads to behavioral rejection of toxic newt prey. *Herpetologica* 59: 155–163. **[15]**

Williams BL, Hanifin CT, Brodie ED Jr, Brodie ED III. 2010. Tetrodotoxin affects survival probability of rough-skinned newts (*Taricha granulosa*) faced with TTX-resistant garter snake predators (*Thamnophis sirtalis*). *Chemoecology* 20: 285–290. **[15]**

Williams EE, Peterson JA. 1982. Convergent and alternative designs in the digital adhesive pads of scincid lizards. *Science* 215: 1509–1511. **[10]**

Williams EE. 1950. Variation and selection in the cervical central articulations of living turtles. *Bulletin of the American Museum of Natural History* 94: 509–561. **[4]**

Williams EE. 1954. A new Miocene species of *Pelusios* and the evolution of that genus. *Breviora* 25: 1–7. **[4]**

Williams EE. 1983. Ecomorphs, faunas, island size, and diverse end points in island radiations of *Anolis*. *In* Huey RB, Pianka ER, Schoener TW (eds.). *Lizard Ecology: Studies of a Model Organism*, pp. 326–370. Harvard University Press, Cambridge, MA. **[5]**

Williams JB, Miller RA, Harper JM, Wiersma P. 2010. Functional linkages for the pace of life, life history, and environment in birds. *Integrative and Comparative Biology* 50: 855–868. **[9]**

Williams JS, Niedzwiecki JH, Weisrock DW. 2013. Species tree reconstruction of a poorly resolved clade of salamanders (Ambystomatidae) using multiple nuclear loci. *Molecular Phylogenetics and Evolution* 68: 671–682. **[3]**

Williams RN, DeWoody JA. 2009. Reproductive success and sexual selection in wild eastern tiger salamanders (*Ambystoma t. tigrinum*). *Evolutionary Biology* 36: 201–213. **[14]**

Williams SE, Shoo LP, Isaac JL, Hoffman AA, Langham G. 2008. Towards an integrated framework for assessing the vulnerability of species to climate change. *PLoS Biology* 6(12): e325. doi: 10.1371/journal.pbio.0060325. **[1]**

Williamson I, Bull CM. 1989. Life-history variation in a population of the Australian frog *Ranidella signifera*: Egg size and early development. *Copeia* 1989: 349–356. **[8]**

Williamson I, Bull CM. 1995. Life-history variation in a population of the Australian frog *Ranidella signifera*: Seasonal changes in clutch parameters. *Copeia* 1995: 105–113. **[8]**

Willis RE, McAliley LR, Neeley ED, Densmore LD III. 2007. Evidence for placing the false gharial (*Tomistoma schlegelii*) into the family Gavialidae: Inferences from nuclear gene sequences. *Molecular Phylogenetics and Evolution* 43: 787–794. **[4]**

Willis RE. 2009. Transthyretin gene (TTR) intron 1 elucidates crocodylian phylogenetic relationships. *Molecular Phylogenetics and Evolution* 53: 1049–1054. **[4]**

Willson JD, Snow RW, Reed RN, Dorcas ME. 2014. *Python molurus bivittatus* (Burmese python). Minimum size at maturity. *Herpetological Review* 45: 343–344. **[16]**

Wilmes AJ, Rheubert JL, Gruenewald DL, Kotaru T, Aldridge RD. 2012. Conspecific pheromone trailing and pheromone trail longevity in the African colubrid *Boaedon fulginosus*. *African Journal of Herpetology* 61: 159–168. **[13]**

Wilson DS, Tracy CR, Tracy CR. 2003. Estimating age of turtles from growth rings: A critical evaluation of the technique. *Herpetologica* 59: 178–194. **[4]**

Wilson EO. 1992. *The Diversity of Life*. Belknap Press, Cambridge, MA. **[17]**

Winokur RM. 1977. The integumentary tentacles of the snake *Erpeton tentaculatum*: Structure, function, evolution. *Herpetologica* 33: 247–252. **[4]**

Witherington BE, Bjorndal KA, McCabe CM. 1990. Temporal pattern of nocturnal emergence of loggerhead turtle hatchlings from natural nests. *Copeia* 1990: 1165–1168. **[17]**

Withers PC, Cooper CE. 2010. Metabolic depression: A historical perspective. *In* Navas CA, Carvalho JE (eds.). *Aestivation: Molecular and Physiological Aspects*, pp. 2–23. Springer-Verlag, Berlin. **[7]**

Withers PC, Dickman CR. 1995. The role of diet in determining water, energy and salt intake in the thorny devil *Moloch horridus* (Lacertilia: Agamidae). *Journal of the Royal Society of Western Australia* 78: 3–11. **[12]**

Withers PC. 1992. *Comparative Animal Physiology*. Saunders, Philadelphia. **[6, 7]**

Withers PC. 1993. Metabolic depression during aestivation in the Australian frogs *Neobatrachus* and *Cyclorana*. *Australian Journal of Zoology* 41: 467–473. **[7]**

Wolfe JA. 1975. Some aspects of plant geography of the Northern Hemisphere during the late Cretaceous and Tertiary. *Annals of the Missouri Botanical Garden* 62: 264–279. **[5]**

Wolfe JA. 1978. A Paleobotanical Interpretation of Tertiary Climates in the Northern Hemisphere: Data from fossil plants make it possible to reconstruct Tertiary climatic changes, which may be correlated with changes in the inclination of the earth's rotational axis. *American Scientist* 694–703. **[5]**

Wollenberg KC, Vieites DR, Glaw F, Vences M. 2011. Speciation in little: the role of range and body size in the diversification of Malagasy mantellid frogs. *BMC Evolutionary Biology* 11: 217. **[3]**

Wollenberg KC, Vieites DR, Van der Meijden A, Glaw F, Cannatella DC, Vences M. 2008. Patterns of endemism and species richness in Malagasy cophyline frogs support a key role of mountainous areas for speciation. *Evolution* 62: 1890–1907. **[3]**

Wone B, Beauchamp B. 2003. Movement, home range, and activity patterns of the horned lizard, *Phrynosoma mcallii*. *Journal of Herpetology* 37: 679–686. **[12]**

Wong RA, Fong JJ, Papenfuss TJ. 2010. Phylogeography of the African helmeted terrapin, *Pelomedusa subrufa*: Genetic structure, dispersal, and human introduction. *Proceedings of the California Academy of Sciences* 61: 575. **[4, 5]**

Wong ROL. 1989. Morphology and distribution of neurons in the retina of the American garter snake *Thamnophis sirtalis*. *Journal of Comparative Neurology* 283: 587–601. **[4]**

Wong S, Parada H, Narins PM. 2009. Heterospecific acoustic interference: Effects on calling in the frog *Oophaga pumilio* in Nicaragua. *Biotropica* 41: 74–80. **[13]**

Wood RC. 1976. *Stupendemys geographicus*, the world's largest turtle. *Breviora* 436: 1–31. **[4]**

Wood RC, Johnson-Gove J, Gaffney ES, Maley KF. 1996. Evolution and phylogeny of leatherback turtles (Dermochelyidae) with descriptions of new fossil taxa. *Chelonian Conservation and Biology* 2: 266–286. **[4]**

Wood SC 1984. Cardiovascular shunts and oxygen transport in lower vertebrates. *American Journal of Physiology* 247: R240–R247 **[7]**

Woodburne MO, Case JA. 1996. Dispersal, vicariance, and the Late Cretaceous to Early Tertiary land mammal biogeography from South America to Australia. *Journal of Mammalian Evolution* 3: 121–161. **[5]**

Woodley SK. 2010. Pheromonal communication in amphibians. *Journal of Comparative Physiology A* 196: 713–727. **[13]**

Woolbright LL, Stewart MM. 1985. Foraging success of the tropical frog, *Eleutherodactylus coqui*: The cost of calling. *Copeia* 1985: 69–75. **[6]**

World Bank. 2012. *Global Development Finance. External Debt of Developing Countries*. www.data.worldbank.org/sites/default/files/gdf_2012.pdf **[17]**

Worthy TH. 1987. Osteology of *Leiopelma* (Amphibia: Leiopelmatidae) and descriptions of three new subfossil Leioplema species. *Journal of the Royal Society of New Zealand* 17: 201–251. **[3]**

Wright CD, Jackson ML, DeNardo DF. 2013. Meal consumption is ineffective at maintaining or correcting water balance in a desert lizard, *Heloderma suspectum. Journal of Experimental Biology* 216: 1439–1447. **[6]**

Wright JW. 1993. Evolution of the lizards of the genus *Cnemidophorus*. *In* Wright JW, Vitt LJ (eds.). *Biology of Whiptail Lizards (Genus Cnemidophorus*), pp. 27–81. Oklahoma Museum of Natural History, Norman, OK. **[9]**

Wu Y, Wang Y, Jiang K, Hanken J. 2013. Significance of pre-Quaternary climate change for montane species diversity: Insights from Asian salamanders (Salamandridae: *Pachytriton*). *Molecular Phylogenetics and Evolution* 66: 380–390. **[3]**

Wüster W, Crookes S, Ineich I, Mané Y, Pook CE, Trape JF, Broadley DG. 2007. The phylogeny of cobras inferred from mitochondrial DNA sequences: Evolution of venom spitting and the phylogeography of the African spitting cobras (Serpentes: Elapidae: *Naja nigricollis* complex). *Molecular Phylogenetics and Evolution* 45: 437–453. **[4]**

Wüster W, Peppin L, Pook CE, Walker DE. 2008. A nesting of vipers: Phylogeny and historical biogeography of the Viperidae (Squamata: Serpentes). *Molecular Phylogenetics and Evolution* 49: 445–459. **[4]**

Wüster W, Thorpe RS. 1992. Dentitional phenomena in cobras revisited: Spitting and fang structure in the Asiatic species of *Naja* (Serpentes: Elapidae). *Herpetologica* 48: 424–434. **[4]**

Wüster W, Thorpe RS, Cox MJ, Jintakune P, Nabhitabhata J. 1995. Population systematics of the snake genus *Naja* (Reptilia: Serpentes: Elapidae) in Indochina: Multivariate morphometrics and comparative mitochondrial DNA sequencing (cytochrome oxidase I). *Journal of Evolutionary Biology* 8: 493–510. **[4]**

Wylie SR. 1981. Effects of basking on the biology of the canyon treefrog, *Hyla arenicolor* Cope. Unpublished doctoral dissertation, Arizona State University, Tempe. **[6]**

Wyneken J, Godfrey MH, Bels V. (eds.). 2007. *Biology of Turtles*. CRC Press, Boca Raton, FL. **[1]**

Wynn AH, Cole CJ, Gardner AL. 1987. Apparent triploidy in the unisexual Brahminy blind snake, *Rhamphotyphlops braminus*. *American Museum Novitates* 2868: 1–7. **[4]**

Xiong JL, Sun P, Zhang JL, Liu XY. 2013. A comparative study of the hyobranchial apparatus in Hynobiidae (Amphibia: Urodela). Zoology, 116: 99–105. **[3]**

Xu X, Zhou Z, Wang X, Kuang X, Zhang F, Du X. 2003. Four-winged dinosaurs from China. *Nature* 421: 335–340. **[2]**

Yacelga M, Cayot LJ, Jaramillo A. 2012. Dispersal of neonatal Galápagos marine iguanas *Amblyrhynchus cristatus* from their nesting zone: Natural history and conservation implications. *Herpetological Conservation and Biology* 7: 470–480. **[12]**

Yager DD. 1992a. Underwater acoustic communication in the African pipid frog *Xenopus borealis. Bioacoustics* 4: 1–24. **[3]**

Yager DD. 1992b. A unique sound producing mechanism in the pipid anuran *Xenopus borealis. Zoological Journal of the Linnean Society 1*04: 351–375. **[3, 13]**

Yeager CR, Gibbons ME. 2013. Maternal provisioning trade-off strategies of *Agalychnis callidryas*. *Journal of Herpetology* 47: 459–465. **[8]**

Yokoyama S, Altun A, DeNardo DF. 2011. Molecular convergence of infrared vision in snakes. *Molecular Biology and Evolution* 28: 45–48. **[4]**

Yu G, Rao D, Yang J, Zhang M. 2008. Phylogenetic relationships among Rhacophorinae (Rhacophoridae, Anura, Amphibia), with an emphasis on the Chinese species. *Zoological Journal of the Linnean Society 1*53: 733–749. **[3]**

Yu G, Rao D, Zhang M, Yang J. 2009. Re-examination of the phylogeny of Rhacophoridae (Anura) based on mitochondrial and nuclear DNA. *Molecular Phylogenetics and Evolution* 50: 571–579. **[3]**

Yu G, Yang J, Zhang M, Rao D. 2007. Phylogenetic and systematic study of the genus Bombina (Amphibia: Anura: Bombinatoridae): new insights from molecular data. *Journal of Herpetology* 41: 365–377. **[3]**

Yu G, Zhang M, Yang J. 2010. Generic allocation of Indian and Sri Lankan *Philautus* (Anura: Rhacophoridae) inferred from 12S and 16S rRNA genes. , 38: 402–409. **[3]**

Yu G, Zhang M, Yang J. 2013. Molecular evidence for taxonomy of *Rhacophorus appendiculatus* and *Kurixalus* species from northern Vietnam, with comments on systematics of *Kurixalus* and *Gracixalus* (Anura: Rhacophoridae). *Biochemical Systematics and Ecology* 47, 31–37. **[3]**

Yu X, Peng Y, Aowphol A, Ding L, Brauth SE, Tang Y-Z. 2011. Geographic variation in the advertisement calls of *Gekko gecko* in relation to variations in morphological features: Implications for regional population differentiation. *Ethology Ecology and Evolution* 23: 211–228. **[13]**

Yuan C, Zhang H, Li M, Ji X. 2003. Discovery of a middle Jurassic fossil tadpole from daohugou region, Ningcheng, Inner Mongolia, China. Acta Geologica Sinica, 78: 145–148. **[3]**

Zachariah A, Abraham RK, Das S, Jayan KC, Altig R. 2012. A detailed account of the reproductive strategy and developmental stages of *Nasikabatrachus sahyadrensis* (Anura:

Nasikabatrachidae), the only extant member of an archaic frog lineage. *Zootaxa* 3510: 53–64. **[3]**

Zachos J, Pagani M, Sloan L, Thomas E, Billups K. 2001. Trends, rhythms, and aberrations in global climate 65 Ma to present. *Science* 292: 686–693. **[5]**

Zaher H, Apesteguía S, Scanferla CA. 2009. The anatomy of the Upper Cretaceous snake *Najash rionegrina* Apesteguía Zaher, 2006, and the evolution of limblessness in snakes. *Zoological Journal of the Linnean Society* 156: 801–826. **[4]**

Zaher H, Grazziotin FG, Graboski R, Fuentes RG, Sánchez-Martinez P, Montingelli GG, Murphy RW. 2012. Phylogenetic relationships of the genus *Sibynophis* (Serpentes: Colubroidea). *Papéis Avulsos de Zoologia* 52: 141–149. **[4]**

Zaher H, Rieppel O. 1999. Tooth implantation and replacement in squamates, with special reference to mosasaur lizards and snakes. *American Museum Novitates* 3271: 1–19. **[4]**

Zaher H, Scanferla CA. 2012. The skull of the Upper Cretaceous snake *Dinilysia patagonica* Smith- Woodward, 1901, and its phylogenetic position revisited. *Zoological Journal of the Linnean Society* 164: 194–238. **[4]**

Zaldívar-Rae J, Drummond H. 2007. Female accompaniment by male whiptail lizards: Is it mate guarding? *Behaviour* 144: 1383–1402. **[14]**

Zamudio KR, Greene HW. 1997. Phylogeography of the bushmaster (*Lachesis muta*: Viperidae): implications for neotropical biogeography, systematics, and conservation. *Biological Journal of the Linnean Society.* 62: 421–442. **[5]**

Zamudio KR, Sinervo B. 2000. Polygyny, mate-guarding, and posthumous fertilization as alternative male mating strategies. *Proceedings of the National Academy of Sciences USA* 97: 14427–14432. **[14]**

Zangari F, Cimmaruta R, Nascetti G. 2006. Genetic relationships of the western Mediterranean painted frogs based on allozymes and mitochondrial markers: evolutionary and taxonomic inferences (Amphibia, Anura, Discoglossidae). *Biological Journal of the Linnean Society* 87: 515–536. **[3]**

Zangerl R. 1945. Contributions to the osteology of the post-cranial skeleton of the Amphisbaenidae. *American Midland Naturalist* 33: 764–780. **[4]**

Zangerl R. 1969. The turtle shell. *In* Gans C, Bellairs A d'A, Parsons TS. (eds.). *Biology of the Reptilia*, Vol 1: *Morphology A*, pp. 311–339. Academic Press, London and New York. **[4]**

Zani PA, Neuhaus RA, Jones TD, Milgrom JE. 2013. Effects of reproductive burden on endurance performance in side-blotched lizards (*Uta stansburiana*). *Journal of Herpetology* 42: 76–81. **[13]**

Zeisset I, Beebee TJC. 2008. Amphibian phylogeography: A model for understanding historical aspects of species distributions. *Heredity* 101: 109–119. **[5]**

Zeng X, Fu J, Chen L, Tian Y, Chen X. 2006. Cryptic species and systematics of the hynobiid salamanders of the *Liua–Pseudohynobius* complex: Molecular and phylogenetic perspectives. *Biochemical Systematics and Ecology* 34: 467–477. **[3]**

Zhang H, Yan J, Zhang G, Zhou K. 2008. Phylogeography and demographic history of Chinese black-spotted frog populations (*Pelophylax nigromaculata*): Evidence for independent refugia expansion and secondary contact. *BMC Evolutionary Biology* 8: 21. **[3]**

Zhang P, Chen YQ, Zhou H, Liu YF, Wang XL, Papenfuss TJ, Qu LH. 2006. Phylogeny, evolution, and biogeography of Asiatic Salamanders (Hynobiidae). *Proceedings of the National Academy of Sciences USA* 103: 7360–7365. **[3]**

Zhang P, Liang D, Mao RL, Hillis DM, Wake DB, Cannatella DC. 2013. Efficient sequencing of anuran mtDNAs and a mitogenomic exploration of the phylogeny and evolution of frogs. *Molecular Biology and Evolution* 30: 1899–1915. **[3]**

Zhang P, Papenfuss TJ, Wake MH, Qu L, Wake DB 2008. Phylogeny and biogeography of the family Salamandridae (Amphibia: Caudata) inferred from complete mitochondrial genomes. *Molecular Phylogenetics and Evolution* 49: 586–597. **[3]**

Zhang P, Wake DB 2009. Higher-level salamander relationships and divergence dates inferred from complete mitochondrial genomes. *Molecular Phylogenetics and Evolution* 53: 492–508. **[3]**

Zhang YH, Zhao YY, Li XY, Li XC. 2014. Evolutionary history and population genetic structure of the endemic tree frog *Hyla tsinlingensis* (Amphibia: Anura: Hylidae) inferred from mitochondrial gene analysis. *Mitochondrial DNA* August 14: 1–10. **[3, 5]**

Zhao B, Ding P, Zhang W. 2014. Energetic cost of behavioral thermoregulation in turtle embryos *Behavioral Ecology* 25: 924–927. **[6]**

Zhao B, Li T, Shine R, Du W-G. 2013. Turtle embryos move to optimal thermal environments within the egg. *Biology Letters* 9: 20130337. doi: 10.1098/rsbl.2013.0337. **[6]**

Zheng YC, Fu J, Li S. 2009. Toward understanding the distribution of Laurasian frogs: A test of Savage's biogeographical hypothesis using the genus *Bombina*. *Molecular Phylogenetics and Evolution* 52: 70–83. **[3, 5]**

Zheng YC, Mo BH, Liu ZJ, Zeng XM. 2004. Phylogenetic relationships of megophryid genera (Anura: Megophryidae) based on partial sequences of mitochondrial 16S rRNA gene. *Zoological Research* 25: 205–213. **[3]**

Zheng YC, Peng R, Kuro-o M, Zeng X. 2011. Exploring patterns and extent of bias in estimating divergence time from mitochondrial DNA sequence data in a particular lineage: A case study of salamanders (order Caudata). *Molecular Biology and Evolution* 28: 2521–2535. **[3]**

Zhou T, Zhao EM. 2004. On the occurrence of living *Cuora yunnanensis* since 58 years, and its description. *Sichuan Journal of Zoology* 23: 325–328. **[17]**

Ziegler T, Quyet LK, Thanh TN, Hendrix R, Böhme W. 2008. A comparative study of crocodile lizards (*Shinisaurus crocodilurus* AHL, 1930) from Vietnam and China. *The Raffles Bulletin of Zoology* 56: 181–187. **[4]**

Zimkus BM. 2009. Biogeographical analysis of Cameroonian puddle frogs and description of a new species of Phrynobatrachus (Anura: Phrynobatrachidae) endemic to Mount Oku, Cameroon. *Zoological Journal of the Linnean Society* 157: 795–813. **[3]**

Zimkus BM, Blackburn DC 2008. Distinguishing features of the sub-Saharan frog genera *Arthroleptis* and *Phrynobatrachus*: A short guide for field and museum researchers. *Breviora* 513: 1–12. **[3]**

Zimkus BM, Gvoždík V. 2013. Sky islands of the Cameroon volcanic line: A diversification hot spot for puddle frogs (Phrynobatrachidae: *Phrynobatrachus*). *Zoologica Scripta* 42: 591–611. **[3]**

Zimkus BM, Lawson L, Loader SP, Hanken J. 2012. Terrestrialization, miniaturization and rates of diversification in African puddle frogs (Anura: Phrynobatrachidae). *PLoS One* 7: e35118. **[3]**

Zimkus BM, Rödel MO, Hillers A. 2010. Complex patterns of continental speciation: Molecular phylogenetics and biogeography of sub-Saharan puddle frogs (*Phrynobatrachus*). *Molecular Phylogenetics and Evolution* 55: 883–900. **[3]**

Zimkus BM, Schick S. 2010. Light at the end of the tunnel: Insights into the molecular systematics of East African puddle frogs (Anura: Phrynobatrachidae). *Systematics and Biodiversity* 8: 39–47. **[3]**

Zimmerman LM, Vogel LA, Bowden RM. 2010. Understanding the vertebrate immune system: Insights from the reptilian perspective. *Journal of Experimental Biology* 213: 661–671. **[6]**

Zimmermann E. 1990. Behavioral signals and reproductive modes in the Neotropical frog family Dendrobatidae. *Fortschritte der Zoologie* 38: 61–73. **[8]**

Zippel KC. 1997. Hairy frogs (*Trichobatrachus robustus*) in the field. *Reptiles* 5: 68–73. **[7]**

Zucker N. 1994a. A dual-status signalling system: A matter of redundancy or differing roles? *Animal Behaviour* 47: 15–22. **[13]**

Zucker N. 1994b. Social influences on the use of a modifiable status signal. *Animal Behaviour* 48: 1317–1324. **[13]**

Zug GR, Schwartz A. 1958. Variation in the species of *Cadea* (Amphisbaenidae), and a record of *C. blanoides* from the Isla de Pinos. *Herpetologica* 14: 176–179. **[4]**

Zúñiga-Vega JJ, Valverde T, Isaac Rojas-González R, Lemos-Espinal JA. 2007. Analysis of the population dynamics of an endangered lizard (*Xenosaurus grandis*) through the use of projection matrices. *Copeia* 2007: 324–335. **[4]**

Zuri I, Bull CM. 2000a. The use of visual cues for spatial orientation in the sleepy lizard (*Tiliqua rugosa*). *Canadian Journal of Zoology* 78: 515–520. **[12]**

Zuri I, Bull CM. 2000b. Reduced access to olfactory cues and home-range maintenance in the sleepy lizard (*Tiliqua rugosa*). *Journal of Zoology* 252: 137–145. **[12]**

Zweifel RG. 1962. A systematic review of the microhylid frogs of Australia. *American Museum Novitates* 2113: 1–40. **[3]**

Zweifel RG. 1972. A revision of the frogs of the subfamily Asterophryinae, family Microhylidae (Results of the Archbold Expeditions. No. 97). *Bulletin of the American Museum of Natural History* 148: 411–546. **[3]**

Zweifel RG. 1986. A new genus and species of microhylid frog from the Cerro de la Neblina Region of Venezuela and a discussion of relationships among New World microhylid genera. *American Museum Novitates* 2863: 1–24. **[3]**

Zylberberg L, Wake MH. 1990. Structure of the scales of *Dermophis* and *Microcaecilia* (Amphibia: Gymnophiona), and a comparison to dermal ossifications of other vertebrates. *Journal of Morphology* 206: 25–43. **[3]**

