

2020 Journal Publications

January

Addis, B. R. Lowe, W. H. (2020). **Long-term survival probability, not current habitat quality, predicts dispersal distance in a stream salamander.** *Ecology*, Accepted Article, e02982.

<https://esajournals.onlinelibrary.wiley.com/doi/abs/10.1002/ecy.2982>

Agostinia, M. G. Roesler, I. Bonetto, C. Ronco, A. E. Bilenca, D. (2020). **Pesticides in the real world: The consequences of GMO-based intensive agriculture on native amphibians.** *Biological Conservation*, 241, Article 108355.

<https://www.sciencedirect.com/science/article/pii/S0006320719309905?fbclid=IwAR3tnrdCEHa1T9McZT3GG1A4ae46vDA7aQnwBF354hJ2fjmlbjyK7aZR4Q>

Alibardi, L. (2020). **Presence of immune cells in the regenerating caudal spinal cord of frog tadpoles indicates active immune-surveillance before metamorphosis.** *Zoology*, In Press, Journal Pre-proof, 125745.

<https://www.sciencedirect.com/science/article/abs/pii/S0944200620300040>

Amori, G. Bologna, M. A. Luiselli, L. (2020). **A review of mono- and bispecific genera of Amphibians worldwide.** *The Herpetological Journal*, 30(1), pp. 47-51.

<https://www.thebhs.org/publications/the-herpetological-journal/volume-30-number-1-january-2020/2027-07-a-review-of-mono-and-bispecific-genera-of-amphibians-worldwide>

Anjos, A. G. Costa, R. N. Brito, D. Solé, M. (2020). **Is there an association between the ecological characteristics of anurans from the Brazilian Atlantic Forest and their extinction risk?** *Ethology, Ecology & Evolution*, DOI: 10.1080/03949370.2020.1711815.

<https://www.tandfonline.com/doi/abs/10.1080/03949370.2020.1711815>

Araújo, A. P. da C. Malafaia, G. (2020). **Can short exposure to polyethylene microplastics change tadpoles' behaviour? A study conducted with neotropical tadpole species belonging to order anura (Physalaemus cuvieri).** *Journal of Hazardous Materials*, Article 122214, In Press, Journal Pre-proof.

<https://www.sciencedirect.com/science/article/abs/pii/S0304389420302028>

Assis, A. B. Bevier, C. R. Barreto, C. C. Navas, C. A. (2020). **Environmental influences on and antimicrobial activity of the skin microbiota of *Proceratophrys boiei* (Amphibia, Anura) across forest fragments.** *Ecology & Evolution*, Early View.

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/ece3.5949>

Atkins, J. B. Houle, L. Cantelon, A. S. Maddin, H. C. (2020). **Normal development in *Ambystoma mexicanum*: A complementary staging table for the skull based on Alizarin red S staining.** *Developmental Dynamics*, Early View.

<https://anatomypubs.onlinelibrary.wiley.com/doi/abs/10.1002/dvdy.152>

Balázs, G. Lewarne, B. Herczeg, G. (2020). **Extreme site fidelity of the olm (*Proteus anguinus*) revealed by a long-term capture–mark–recapture study.** *Journal of Zoology*, Early View.

<https://zslpublications.onlinelibrary.wiley.com/doi/pdf/10.1111/jzo.12760>

Barnhart, K. Bletz, M. C. LaBumbard, B. Tokash-Peters, A. Gabor, C. R. Woodhams, D. C. (2020). ***Batrachochytrium salamandrivorans* elicits acute stress response in spotted salamanders but not infection or mortality.** *Animal Conservation*, Early View.

<https://zslpublications.onlinelibrary.wiley.com/doi/abs/10.1111/acv.12565?af=R>

Barreto, E. Salgado Costa, C. Demetrio, P. Lascano, C. Venturino, A. Natale, G. S. (2020). **Sensitivity of *Boana pulchella* (Anura: Hylidae) tadpoles to environmentally relevant concentrations of chlorpyrifos: effects at the individual and biochemical level.** *Environmental Toxicology*, Accepted Article.

<https://setac.onlinelibrary.wiley.com/doi/abs/10.1002/etc.4664>

Bedwell, M. E. Goldberg, C. S. (2020). **Spatial and temporal patterns of environmental DNA detection to inform sampling protocols in lentic and lotic systems.** *Ecology & Evolution*, Early View.

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/ece3.6014>

Beukema, W. Bruni, G. (2020). **New records and a revision of the actual and potential distribution of *Discoglossus montalentii* to facilitate future conservation assessments.** *Amphibia-Reptilia*, Advance Article.

<https://brill.com/view/journals/amre/aop/article-10.1163-15685381-20201283/article-10.1163-15685381-20201283.xml>

Bezerra, A. M. Passos, L. O. de Luna-Dias, C. Quintanilha, A. S. de Carvalho-e-Silva, S. P. (2020) **A Missing Piece of the Puzzle: Re-encounter of *Aplastodiscus musicus*, Its Call, and Phylogenetic Placement (Anura: Hylidae: Cophomantini).** *Herpetologica* In-Press.

<https://www.hljournals.org/doi/abs/10.1655/Herpetologica-D-18.00061.1>

Brown, S. R. Flynn, R. W. Hoverman, J. T. (2020). **Perfluoroalkyl substances increase susceptibility of northern leopard frog tadpoles to trematode infection.** *Environmental Toxicology and Chemistry*, Short Communication, Accepted Article.

<https://setac.onlinelibrary.wiley.com/doi/abs/10.1002/etc.4678>

Bruni, G. Di Mitri, A. Grecchi, L. Di Nicola, M. R. (2020). **“Translucent” colour aberrations in *Bufo balearicus* (Anura: Bufonidae) and *Hyla perrini* (Anura: Hylidae) from Italy.** *Herpetology Notes*, 13, pp.57-60.

<https://www.biotaxa.org/hn/article/view/57433/59457>

Cabral, H. Casagrande, M. D. Brusquetti, F. Netto, F. Ferreira, V. Lavilla, E. (2020). **Multiscale endemism analysis for amphibians of Paraguay.** *The Herpetological Journal*, 30(1), pp. 35-46.

<https://www.thebhs.org/publications/the-herpetological-journal/volume-30-number-1-january-2020/2026-06-multiscale-endemism-analysis-for-amphibians-of-paraguay>

Campos, F. S. Lourenço-de-Moraes, R. Ruas, D. S. Mira-Mendes, C. V. Franch, M. Llorente, G. A. Solé, M. Cabral, P. (2020). **Searching for Networks: Ecological Connectivity for Amphibians Under Climate Change.** *Environmental Management*, 65(1), pp.46–61.

<https://link.springer.com/article/10.1007/s00267-019-01240-0>

Candaten, A. Possenti, A. G. Mainardi, A. A. da Rocha, M. C. Palaoro, A. V. (2020). **Fighting scars: heavier gladiator frogs bear more injuries than lighter frogs.** *Acta Ethologica*, Online First, pp.1–6.

<https://link.springer.com/article/10.1007/s10211-019-00333-7>

Canessa, S. Spitzen-van der Sluijs, A. Stark, T. Allen, B. E. Bishop, P. J. Bletz, M. Briggs, C. J. Daversa, D. R. Gray, M. J. Griffiths, R. A. Harris, R. N. Harrison, X. A. Hoverman, J. T. Jervis, P. Muths, E. Olson, D. H. Price, S. J. Richards-Zawacki, C. L. Robert, J. Rosa, G. M. Scheele, B. C. Schmidt, B. R. Garner, T. W. J. (2020). **Conservation decisions under pressure: Lessons from an exercise in rapid response to wildlife disease.** *Conservation Science & Practice*, 2(1), e141.

<https://conbio.onlinelibrary.wiley.com/doi/pdf/10.1111/csp2.141>

Capela, D. J. V. Struett, M. M. Leivas, P. T. (2020). **Predation attempt of *Rhinella ornata* (Spix, 1824) (Anura, Bufonidae) by *Leptodactylus* cf. *latrans* (Anura, Leptodactylidae) in the Atlantic Forest, Brazil.** *Herpetology Notes*, 13, pp.11-13.

<https://www.biotaxa.org/hn/article/view/50770>

Carvalho, G. Meneses, A. S. de O. de Queiroz, P. P. Brandão, R. A. (2020). **Multiple mating and oviposition behavior of *Proceratophrys goyana* (Anura: Odontophrynidae) in the Brazilian Cerrado.** *Cuadernos de Herpetología*. 34(1): 00-00.

https://www.researchgate.net/profile/Reuber_Brandao/publication/338517927_Multiple_mating_and_oviposition_behavior_of_Proceratophrys_goyana_Anura_Odontophrynidae_in_the_Brazilian_Cerrado/links/5e18d60d299bf10bc3a340d2/Multiple-mating-and-oviposition-behavior-of-Proceratophrys-goyana-Anura-Odontophrynidae-in-the-Brazilian-Cerrado.pdf

Castaneda, E. Leavings, V. R. Noss, R. F. Grace, M. K. (2020). **The effects of traffic noise on tadpole behavior and development.** *Urban Ecosystems*, Online, pp.1–9.

<https://link.springer.com/content/pdf/10.1007%2Fs11252-020-00933-3.pdf>

Cayuela, H. Besnard, A. Cote, J. Laporte, M. Bonnaire, E. Pichenot, J. Schtickzelle, N. Bellec, A. Joly, P. Léna, J.-P. (2020). **Anthropogenic disturbance drives dispersal syndromes, demography, and gene flow in amphibian populations.** *Ecological Monographs*, Accepted Article.

<https://esajournals.onlinelibrary.wiley.com/doi/abs/10.1002/ecm.1406>

Cermakova, E. Oliveri, M. Ceplecha, V. Knotek, Z. (2020). **Anesthesia with Intramuscular Administration of Alfaxalone in Spanish ribbed Newt (*Pleurodeles waltl*).** *Journal of Exotic Pet Medicine*, In Press, Journal Pre-proof.

<https://www.sciencedirect.com/science/article/abs/pii/S1557506320300045>

Chinchilla-Lemus, W. Serrano-Cardozo, V. H. Ramírez-Pinilla, M. P. (2020). **Reproductive activity, microhabitat use, and calling sites of *Pristimantis bacchus* (Anura: Craugastoridae).** *Amphibia-Reptilia*, 41(1), pp.1-11.

https://brill.com/view/journals/amre/41/1/article-p1_1.xml?language=en

Cobo-Cuan, A. Narins, P. M. (2020). **Reciprocal Matched Filtering in the Inner Ear of the African Clawed Frog (*Xenopus laevis*).** *Journal of the Association for Research in Otolaryngology*, doi:10.1007/s10162-019-00740-4.

<https://link.springer.com/article/10.1007/s10162-019-00740-4>

Colaço, G. Bittencourt-Silva, G. G. da Silva, H. R. (2020). **Can a shade shed light on the monophyly of Cycloramphidae (Lissamphibia: Anura)?** *Zoologischer Anzeiger*, In Press, Journal Pre-proof.

<https://www.sciencedirect.com/science/article/pii/S0044523120300024>

Condez, T. H. C. Haddad, C. F. B. Zamudio, K. R. (2020). **Historical biogeography and multi-trait evolution in miniature toadlets of the genus *Brachycephalus* (Anura: Brachycephalidae).** *Biological Journal of the Linnean Society*, blz200

<https://academic.oup.com/biolinnean/advance-article-abstract/doi/10.1093/biolinnean/blz200/5707641>

Correa, C. Morales, J. Schussler, C. Ortiz, J. C. (2020). **An enigmatic population of *Alsodes* (Anura, Alsodidae) from the Andes of central Chile with three species-level mitochondrial lineages.** *Mitochondrial DNA Part A*, DOI: 10.1080/24701394.2019.1704744.

<https://www.tandfonline.com/doi/abs/10.1080/24701394.2019.1704744>

Cruz, J. C. Fabrezi, M. (2020). **Histology and microscopic anatomy of the thyroid gland during the larval development of *Pseudis platensis* (Anura, Hylidae).** (Report). *Journal of Morphology*, 281(1), p.122(13).

<https://onlinelibrary.wiley.com/doi/abs/10.1002/jmor.21085>

D'Bastiani, E. Teixeira, C. P. De La Torre, G. M. Dudczak, A. C. dos Santos, L. E. Silva, A. L. F. Oda, F. H. Mello-Patiu, C. Campião, K. M. (2020). **How deadly sarcophagid fly larvae are for anurans? New interactions and review to Neotropical region.** *Parasitology Research*, DOI: 10.1007/s00436-020-06613-7.

<https://link.springer.com/article/10.1007/s00436-020-06613-7>

Da Costa Araújo, A. P. de Melo, N. F. S. de Oliveira Junior, A. G. Rodrigues, F. P. Fernandes, T. de Andrade Vieira, J. E. Rocha, T. L. Malafaia, G. (2020). **How much are microplastics harmful to the health of amphibians? A study with pristine polyethylene microplastics and *Physalaemus cuvieri*.** *Journal of Hazardous Materials*, 382, Article, 121066.

https://www.researchgate.net/publication/335386351_How_much_are_microplastics_harmful_to_the_health_of_amphibians_A_study_with_pristine_polyethylene_microplastics_and_Physalaemus_cuvieri

da Silva, L. A. Carvalho, P. S. Pereira, E. A. Fadel, R. M. Dantas, S. P. Brandão, R. A. Santana, D. J. (2020). **Richness, diversity patterns, and taxonomic notes of amphibians from the Tocantins state.** *Biota Neotropica*, 20(1), e20190838.

<http://www.scielo.br/pdf/bn/v20n1/1676-0611-bn-20-01-e20190838.pdf>

Dahms-Verster, S. Nel, A. van Vuren, J. H. J. Greenfield, R. (2020). **Biochemical responses revealed in an amphibian species after exposure to a forgotten contaminant: An integrated biomarker assessment.** *Environmental Toxicology and Pharmacology*, 73, 103272.

<https://www.sciencedirect.com/science/article/pii/S1382668919301462>

Desjonquères, C. Gifford, T. Linke, S. (2020). **Passive acoustic monitoring as a potential tool to survey animal and ecosystem processes in freshwater environments.** *Freshwater Biology*, 65(1), pp.7-19.

<https://onlinelibrary.wiley.com/doi/full/10.1111/fwb.13356?af=R>

Dinesh, K. P. Vijayakumar, S. P. Ramesh, V. Jayarajan, A. Chandramouli, S. R. Shanker, K. (2020). **A deeply divergent lineage of Walkerana (Anura: Ranixalidae) from the Western Ghats of Peninsular India.** *Zootaxa*, 4729(2).

<https://www.mapress.com/j/zt/article/view/zootaxa.4729.2.7>

Douglas, A. J. Hug, L. A. Katzenback, B. A. (2020). **Composition of the North American wood frog (*Rana sylvatica*) skin microbiome and seasonal variation in community structure.** *BioRxiv*, Online, doi: 10.1101/2020.01.28.921544.

<https://www.biorxiv.org/content/10.1101/2020.01.28.921544v1.full.pdf>

Dutilleux, G. Curé, C. (2020). **Automated acoustic monitoring of endangered common spadefoot toad populations reveals patterns of vocal activity.** *Freshwater Biology*, 65(1), pp.20-36.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/fwb.13111>

Ebersbach, J. Posso-Terranova, A. Bogdanowicz, S. Gómez-Díaz, M. García-González, Ma. X. Bolívar-García, W. Andrés, J. (2020). **Complex patterns of differentiation and gene flow under the divergence of aposematic phenotypes in Oophaga poison frogs.** *Molecular Biology*, Early View.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/mec.15360>

Echeverri, K. (2020). **The various routes to functional regeneration in the central nervous system.** *Communications Biology*, 3:47.

<https://doi.org/10.1038/s42003-020-0773-z>

Ellison, A. Zamudio, K. Lips, K. Muletz-Wolz, C. (2020). **Temperature-mediated shifts in salamander transcriptomic responses to the amphibian-killing fungus.** *Molecular ecology*, 29(2), pp.325-343.

<https://www.ncbi.nlm.nih.gov/pubmed/31820839>

Ernetti, J. R. (2020). **Non-random distribution of microsatellite motifs and (TTAGGG)_n repeats in the monkey frog *Pithecopus rusticus* (Anura, Phyllomedusidae) karyotype.** *Genetics and Molecular Biology*, 42(4), e20190151.

<http://www.scielo.br/pdf/gmb/v42n4/1415-4757-GMB-42-4-2019-0151.pdf>

Fischer, E. K. Alvarez, H. Lagerstrom, K. M. Petrillo, R. Ellis, G. O'Connell, L. A. (2020). **Neural correlates of winning and losing fights in poison frog tadpoles.** *BioRxiv*, Online.

<https://www.biorxiv.org/content/10.1101/2020.01.27.922286v1.full.pdf>

Flach, E, J. Feltrer, Y. Gower, D. J. Jayson, S. Michaels, C. J. Pocknell, A. Rivers, S. Perkins, M. Rendle, M. E. Stidworthy, M. F. Tapley, B. Wilkinson, M. Masters, N. (2020). **Postmortem findings in eight species of captive caecilian (Amphibia: Gymnophiona) over a ten-year period.** *Journal of Zoo and Wildlife Medicine*, 50(4), pp.879-890.

https://www.researchgate.net/publication/338478937_Postmortem_findings_in_eight_species_of_captive_caecilian_Amphibia_Gymnophiona_over_a_ten-year_period

Folly, H. Arruda, L. Pereira, E. A. (2020). **New records of the Near Threatened species *Ololygon trapicheiroi* (Anura: Hylidae).** *Caldasia*, 42(1), 83841.

<https://www.semanticscholar.org/paper/New-records-of-the-Near-Threatened-species-Ololygon-Folly-Arruda/1f9bef35bde1c8ad3bed11826a4363309f1f7998>

Fu, L. Li, C. Na, W. Shi, Y. B. (2020). **Thyroid hormone activates *Xenopus* MBD3 gene via an intronic TRE in vivo.** *Frontiers in Bioscience (Landmark Edition)* 25, pp.437-451.

<https://europepmc.org/abstract/med/31585895>

Garcia Neto, P. G. Nowakowski, A. J. da Silva, A. F. C. Oliveira, O. C. C. Guerra, R. N. M. de Andrade, G. V. (2020). **Leukocyte profiles of two neotropical anuran species affected by anthropogenic habitat alteration.** *Animal Conservation*, Early View.

<https://zslpublications.onlinelibrary.wiley.com/doi/abs/10.1111/acv.12564>

Gelaude, A. Slaby, S. Cailliau, K. Marin, M. Lescuyer-Rousseau, A. Molinaro, C. Nevorál, J. Kučerová-Chrpová, V. Sedmikova, M. Petr, J. Martoriati, A. Bodart, J.-F. (2020). **Hydrogen Sulfide Impairs Meiosis Resumption in *Xenopus laevis* Oocytes.** *Cells*, 9, 237.

<https://www.mdpi.com/2073-4409/9/1/237>

Goldberg, J. Valverde, B. S. L. Franco-Belussi, L. (2020). **Testicular melanization in anuran species: ontogeny and sexual maturity.** *Amphibia-Reptilia*, 41(1), pp.75-86.

https://brill.com/view/journals/amre/41/1/article-p75_7.xml?language=en

Gómez-Hoyos, D. A. Seisdedos-de-Vergara, R. Schipper, J. Allard, R. González-Maya, J. F. (2020). **Potential effect of habitat disturbance on reproduction of the critically endangered harlequin frog *Atelopus varius* in Las Tablas, Costa Rica.** *Animal Biodiversity and Conservation*, 43(1), pp.1-7.

http://abc.museucienciasjournals.cat/files/ABC_43-1_pp_1-7.pdf

Grosso, J. Baldo, D. Costa, C. S. Natale, G. S. Candiotti, F. V. (2020). **Embryonic ontogeny of three species of Horned Frogs, with a review of early development in Ceratophryidae.** (Report). *Journal of Morphology*, 281(1), p.17(16).

<https://onlinelibrary.wiley.com/doi/abs/10.1002/jmor.21076>

Guerra, A. Reisa, L. K. Borges, F. L. G. Ojeda, P. T. A. Pineda, D. A. M. Miranda, C. O. Maidana, P. F. de L. dos Santos, T. M. R. Shibuya, P. S. Marques, M. C. M. Laurance, S. G. W. Garcia, L. C. (2020). **Ecological restoration in Brazilian biomes: Identifying advances and gaps.** *Forest Ecology and Management* 458, 117802.

https://www.researchgate.net/publication/337934585_Ecological_restoration_in_Brazilian_biomes_Identifying_advances_and_gaps

Guy, E. L. Martin, M. W. Kouba, A. J. Cole, J. A. Kouba, C. K. (2020). **Evaluation of different temporal periods between hormone-induced ovulation attempts in the female Fowler's toad *Anaxyrus fowleri*.** *Conservation Physiology*, 8(1), coz113.

<https://academic.oup.com/conphys/article/8/1/coz113/5698610>

Hallmann, K. Griebeler, E. M. (2020). **An identification of invariants in life history traits of amphibians and reptiles.** *Ecology and Evolution*, 00, pp.1–19.

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/ece3.5978>

Hanford, J. K. Webb, C. E. Hochuli, D. F. (2020). **Management of urban wetlands for conservation can reduce aquatic biodiversity and increase mosquito risk.** *Journal of Applied Ecology*, Early View.

<https://besjournals.onlinelibrary.wiley.com/doi/abs/10.1111/1365-2664.13576>

Harrison, X. A. Sewell, T. Fisher, M. Antwis, R. E. (2020). **Designing probiotic therapies with broad-spectrum activity against a wildlife pathogen.** *Frontiers in Microbiology*, 10, 3134.

[https://www.frontiersin.org/articles/10.3389/fmicb.2019.03134/full?utm_source=Email_to_authors &utm_medium=Email&utm_content=T1_11.5e1_author&utm_campaign=Email_publication&field=&journalName=Frontiers in Microbiology&id=500142](https://www.frontiersin.org/articles/10.3389/fmicb.2019.03134/full?utm_source=Email_to_authors&utm_medium=Email&utm_content=T1_11.5e1_author&utm_campaign=Email_publication&field=&journalName=Frontiers%20in%20Microbiology&id=500142)

Hartel, T. Scheele, B. C. Rozyłowicz, L. Horcea-Milcu, A. Cogălniceanu, D. (2020). **The social context for conservation: Amphibians in human shaped landscapes with high nature values.** *Journal for Nature Conservation*, 53, Article 125762.

<https://www.sciencedirect.com/science/article/pii/S1617138119302948>

Hartmann, F. E. Ma, W.-J. (2020). **Digest: Climate plays marginal role for homomorphic sex chromosome differentiation in common frogs.** *Evolution*, Early View.

<https://onlinelibrary.wiley.com/doi/pdf/10.1111/evo.13936>

Hausmann, J. C. Weaver, T. J. Freeman, K. S. (2020). **Ophthalmic examination findings and intraocular pressure measurements in six species of anura.** *Journal of Zoo and Wildlife Medicine*, 50(4), pp.845-852.

<https://bioone.org/journals/Journal-of-Zoo-and-Wildlife-Medicine/volume-50/issue-4/2019-0115/OPHTHALMIC-EXAMINATION-FINDINGS-AND-INTRAOCULAR-PRESSURE-MEASUREMENTS-IN-SIX-SPECIES/10.1638/2019-0115.short>

He, T. Jiang, Y. Wang, P. Xiang, J. Pan, W. (2020). **Rotten-skin disease significantly changed giant spiny frog (*Paa spinosa*) gut microbiota.** *BioRxiv*, Online.

<https://www.biorxiv.org/content/10.1101/2020.01.13.905588v1.full.pdf>

Hemmi, K. Kakehashi, R. Kambayashi, C. Du Preez, L. Minter, L. Furuno, N. Kurabayashi, A. (2020). **Exceptional Enlargement of the Mitochondrial Genome Results from Distinct Causes in Different Rain Frogs (Anura: Brevicipitidae: Breviceps)**. *International Journal of Genomics*, 2020, Article ID 6540343, pp.1-12.

<https://www.hindawi.com/journals/ijg/2020/6540343/>

Hepp, F. Pombal, J. P. Jr. (2020). **Review of bioacoustical traits in the genus Physalaemus Fitzinger, 1826 (Anura: Leptodactylidae: Leiuperinae)**. *Zootaxa*, 4725(1), pp1-106.

<https://www.mapress.com/j/zt/article/view/zootaxa.4725.1.1>

Hopf, C. Graham, E. A. Gibas, C. F. C. Sanders, C. Mele, J. Fan, H. Garner, M. M. Wiederhold, N. P. Ossiboff, R. Abou-Madi, N. (2020). **A Novel Exophiala Species Associated with Disseminated Granulomatous Inflammation in a Captive Eastern Hellbender (Cryptobranchus alleganiensis alleganiensis)**. *Frontiers in Veterinary Science*, 7, Article 25.

<https://www.frontiersin.org/articles/10.3389/fvets.2020.00025/full>

Hopkins, W. A. Durant, S. E. Beck, M. L. Ray, W. K. Helm, R. F. Romero, L. M. (2020). **Cortisol is the predominant glucocorticoid in the giant paedomorphic hellbender salamander (Cryptobranchus alleganiensis)**. *General and Comparative Endocrinology*, 285, Article 113267.

<https://www.sciencedirect.com/science/article/pii/S0016648019303247>

Hossack, B. R. Adams, M. J. Honeycutt, R. K. Belt, J. J. Pyare, S. (2020). **Amphibian chytrid prevalence on boreal toads in SE Alaska and NW British Columbia: tests of habitat, life stages, and temporal trends**. *Diseases of Aquatic Organisms*, 137, pp.159-165.

<https://www.int-res.com/abstracts/dao/v137/n2/p159-165/>

Hossack, B. R. Russell, R. E. McCaffery, R. (2020). **Contrasting demographic responses of toad populations to regionally synchronous pathogen (Batrachochytrium dendrobatidis) dynamics**. *Biological Conservation*, 241, 108373.

<https://doi.org/10.1016/j.biocon.2019.108373>

Howell, P. E. Sigafus, B. H. Hossack, B. R. Muths, E. (2020). **Co-occurrence of Chiricahua leopard frogs (Lithobates chiricahuensis) with sunfish (Lepomis)**. *The Southwestern Naturalist*, 64(1), pp.69-72.

<https://bioone.org/journals/The-Southwestern-Naturalist/volume-64/issue-1/0038-4909-64-1-69/CO-OCCURRENCE-OF-CHIRICAHUA-LEOPARD-FROGS-LITHOBATES-CHIRICAHUENSIS-WITH-SUNFISH/10.1894/0038-4909-64-1-69.short>

Huang, Y. Wang, X. Yang, X. Jiang, J. Hu, J. (2020). **Unveiling the roles of interspecific competition and local adaptation in phenotypic differentiation of parapatric frogs.** *Current Zoology*, Accepted Article, zaaa001.

<https://academic.oup.com/cz/advance-article/doi/10.1093/cz/zaaa001/5715580>

Iannella, M. Console, G. D'Alessandro, P. Cerasoli, F. Mantoni, C. Ruggieri, F. Di Donato, F. Biondi, M. (2020). **Preliminary Analysis of the Diet of Triturus carnifex and Pollution in Mountain Karst Ponds in Central Apennines.** *Water*, 12(1), 44 pp.1-15.

<https://www.mdpi.com/2073-4441/12/1/44>

Indraswari, K. Bower, D. Tucker, D. Schwarzkopf, L. Towsey, M. Roe, P. (2020). **Assessing the value of acoustic indices to distinguish species and quantify activity: A case study using frogs.** *Freshwater Biology*, 65(1), pp.142-152.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/fwb.13222>

Jiang, L. Wu, B. Luo, J. Xu, Z. Huang, N. (2020). **Characterization of complete mitochondrial genome of Hylarana guentheri (Anura: Ranidae) and its phylogenetic implication.** *Mitochondrial DNA Part B Resources*, 5(1), pp. 616-618.

<https://www.tandfonline.com/doi/pdf/10.1080/23802359.2019.1711216?needAccess=true>

Johnson, K. Baker, A. Buley, K. Carrillo, L. Gibson, R. Gillespie, G. R. Lacy, R. C. Zippel, K. (2020). **A process for assessing and prioritizing species conservation needs: going beyond the Red List.** *Oryx*, 54(1), pp.125-132.

<https://www.cambridge.org/core/journals/oryx/article/process-for-assessing-and-prioritizing-species-conservation-needs-going-beyond-the-red-list/64EC21D34CA21EA82F4A38COA1623FB4>

Kelley, D. B. Ballagh, I. H. Barkan, C. L. Bendesky, A. Elliott, T. M. Evans, B. J. Hall, I. C. Kwon, Y. M. Kwong-Brown, U. Leininger, E. C. Perez, E. C. Rhodes, H. J. Villain, A. Yamaguchi, A. Zornik, E. (2020). **Generation, Coordination, and Evolution of Neural Circuits for Vocal Communication.** *The Journal of Neuroscience*, 40(1), pp.22–36.

<https://www.jneurosci.org/content/jneuro/40/1/22.full.pdf>

Kuzmin, Y. Dmytrieva, I. Marushchak, O. Morozov-Leonov, S. Oskyrko, O. Nekrasova, O. (2020). **Helminth Species and Infracommunities in Frogs *Pelophylax ridibundus* and *P. esculentus* (Amphibia: Ranidae) in Northern Ukraine.** *Acta Parasitologica*, First Online, pp.1–13.

<https://link.springer.com/article/10.2478/s11686-019-00164-3>

LaDouceur, E. E. B. Hauck, A. M. Garner, M. M. Cartoceti, A. N. Murphy, B. G. (2020). **Odontomas in Frogs.** *Veterinary pathology*, 57(1), pp.147-150.

<https://journals.sagepub.com/doi/abs/10.1177/0300985819877633?journalCode=vetb>

Lau, Q. Igawa, T. Komaki, S. Satta, Y. (2020). **Expression Changes of MHC and Other Immune Genes in Frog Skin during Ontogeny.** *Animals*, 10(1), 91, pp.1-11.

<https://www.mdpi.com/2076-2615/10/1/91>

Le, D. T. T. Rowley, J. J. L. Tran, D. T. A. Hoang, H. D. (2020). **The diet of a forest-dependent frog species, *Odorrana morafkai* (Anura: Ranidae), in relation to habitat disturbance.** *Amphibia-Reptilia*. 41(1), pp.29-41.

https://brill.com/view/journals/amre/41/1/article-p29_3.xml

Legett, H. MaddenIkkyu, R. P. Aihara, A. Bernal, X. E. (2020). **Traffic noise differentially impacts call types in a Japanese treefrog (*Buergeria japonica*).** *Ethology*, Early View, DOI: 10.1111/eth.13009.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/eth.13009>

Lent, E. M. Babbitt, K. J. (2020). **The effects of hydroperiod and predator density on growth, development, and morphology of wood frogs (*Rana sylvatica*).** *Aquatic Ecology*, First Online.

<https://link.springer.com/article/10.1007/s10452-020-09748-y>

Lewis, J. L. Sullivan, A. M. (2020). **Salamander stress and duress: the relationship between CORT, autotomy and regeneration, and exploratory behaviour.** *Zoology*, In Press, Journal Pre-proof, 125751.

<https://www.sciencedirect.com/science/article/abs/pii/S0944200620300106>

Li, M. Zhu, J. Fang, H. Wang, M. Wang, Q. Zhou, B. (2020). **Coexposure to environmental concentrations of cis-bifenthrin and graphene oxide: Adverse effects on the nervous system during metamorphic development of *Xenopus laevis*.** *Journal of Hazardous Materials*, 381, 120995.

<https://www.sciencedirect.com/science/article/pii/S0304389419309495>

Liao, J. Tang, M. Peng, L. Jiang, L. You, Z. Chen, W. (2020). **The complete mitochondrial genome sequence of Himalayan toad *Duttaphrynus himalayanus* (Anura: Bufonidae)**. *Mitochondrial DNA Part B – Resources*, 5(1), pp.740-741.

<https://www.tandfonline.com/doi/pdf/10.1080/23802359.2020.1715287?needAccess=true>

Liebgold, E. B. Carleton, K. L. (2020). **The Right Light: Tiger Salamander Capture Rates and Spectral Sensitivity**. *Wildlife Society Bulletin*, Early View.

<https://doi.org/10.1002/wsb.1058>

Lima, N. G. da S. do Carmo, A. O. de Souza, R. C. C. Kalapothakis, E. Eterovick, P. C. (2020). **Complete mitochondrial genome sequence of the high altitude Brazilian treefrog *Pithecopus megacephalus* (Anura, Phyllomedusidae)**. *Mitochondrial DNA Part B – Resources*, 5(1),

<https://www.tandfonline.com/doi/full/10.1080/23802359.2019.1704184>

Linke, S. (2020). **Ecoacoustics can detect ecosystem responses to environmental water allocations**. *Freshwater Biology*, 65(1), pp.133-141.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/fwb.13249>

Linke, S. Gifford, T. Desjonquères, C. (2020). **Six steps towards operationalising freshwater ecoacoustic monitoring**. *Freshwater Biology*, 65(1), pp.1-6.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/fwb.13426>

Llaniguez, J. T. Szczepaniak, M. A. Rickman, B. H. Gelovani, J. G. Hish, G. A. Cotroneo, T. M. (2020). **Quantitative and Qualitative Behavioral Measurements to Assess Pain in Axolotls (*Ambystoma mexicanum*)**. *Journal of the American Association of Laboratory Animal Science*. doi: 10.30802/AALAS-JAALAS-19-000063. [epub ahead of print].

<https://read.qxmd.com/read/31964458/quantitative-and-qualitative-behavioral-measurements-to-assess-pain-in-axolotls-ambystoma-mexicanum>

Longo, A. V. Rodríguez-Gómez, C. A. Zegarra, J. P. Monzón, O. Claudio-Hernández, H. J. Joglar, R. L. Zamudio, K. R. Burrowes, P. A. López-Torres, A. L. (2020). **Tick parasitism as a cost of sexual selection and male parental care in a Neotropical frog**. *Ecosphere*, 11(1), e03010.

<https://esajournals.onlinelibrary.wiley.com/doi/full/10.1002/ecs2.3010>

Lucati, F. Miró, A. Ventura, M. (2020). **Conservation of the endemic Pyrenean newt (*Calotriton asper*) in the age of invasive species: interlake dispersal and colonisation dynamics.** *Amphibia-Reptilia*.

<https://brill.com/view/journals/amre/aop/article-10.1163-15685381-2020SEH1/article-10.1163-15685381-2020SEH1.xml>

Lung, O. Nebroski, M. Gupta, S. Goater, C. (2020). **Genome Sequences of *Ambystoma Tigrinum* Virus Recovered during a Mass Die-off of Western Tiger Salamanders in Alberta, Canada.** *Microbiology Resource Announcements*, 8(29), e00265-19.

<https://mra.asm.org/content/ga/8/29/e00265-19.full.pdf>

Makino, N. Sato, N. Takayama-Watanabe, E. Watanabe, A. (2020). **Localization of sperm intracellular Ca²⁺ keeps fertilizability in the newt vas deferens.** *Reproduction*, Accepted Article.

<https://rep.bioscientifica.com/view/journals/rep/aop/rep-19-0252/rep-19-0252.xml>

Manenti, R. Falaschi, M. Monache, D. D. Marta, S. Ficetola, G. F. (2020). **Network-scale effects of invasive species on spatially-structured amphibian populations.** *Ecography*, 43(1), pp.119-127.

<https://onlinelibrary.wiley.com/doi/full/10.1111/ecog.04571>

Mângia, S. Oliveira, E. F. Santana, D. J. Koroiva, R. Paiva, F. Garda, A. A. (2020). **Revising the taxonomy of *Proceratophrys Miranda-Ribeiro, 1920* (Anura: Odontophrynidae) from the Brazilian semiarid Caatinga: Morphology, calls and molecules support a single widespread species.** *Journal of Zoological Systematics & Evolutionary Research*, Early View.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/jzs.12365>

Marcillo-Lara, A. Coloma, L. A. Álvarez-Solas, S. Terneus, E. (2020). **The gastromyzophorous tadpoles of *Atelopus elegans* and *A. palmatus* (Anura: Bufonidae), with comments on oral and suction structures.** *Neotropical Biodiversity*, 6(1), pp.1-13.

<https://www.tandfonline.com/doi/pdf/10.1080/23766808.2019.1709378?needAccess=true>

Martel, A. Vila-Escale, M. Fernández-Giberteau, D. Martinez-Silvestre, A. Canessa, S. Van Praet, S. Pannon, P. Chiers, K. Ferran, A. Kelly, M. Picart, M. Piulats, D. Li, Z. Pagone, V. Pérez-Sorribes, L. Molina, C. Tarragó-Guarro, A. Velarde-Nieto, R. Carbonell, F. Obon, E. Martínez-Martínez, D. Guinart,

D. Casanovas, R. Carranza, S. Pasmans, F. (2020). **Integral chain management of wildlife diseases.** *Conservation Letters*. e12707.

<https://conbio.onlinelibrary.wiley.com/doi/epdf/10.1111/conl.12707>

Martins, R. A. Becker, C. G. Haddad, C. F. B. Le Pendu, Y. Solé, M. De Mira-Mendes, C. V. (2020). **Redescription of the tadpole of *Leptodactylus flavopictus* Lutz, 1926 (Anura: Leptodactylidae) from Pilar do Sul, São Paulo, Brazil.** *Zootaxa*, 4722(5), pp.495-499.

https://www.researchgate.net/profile/Mirco_Sole/publication/338631086_Redescription_of_the_tadpole_of_Leptodactylus_flavopictus_Lutz_1926_Anura_Leptodactylidae_from_Pilar_do_Sul_Sao_Paulo_Brazil/links/5e207a24a6fdcc10156f6470/Redescription-of-the-tadpole-of-Leptodactylus-flavopictus-Lutz-1926-Anura-Leptodactylidae-from-Pilar-do-Sul-Sao-Paulo-Brazil.pdf

Matsui, M. Nishikawa, K. Eto, K. Hossman, M. Y. (2020). **Two New *Ansonia* from Mountains of Borneo (Anura, Bufonidae).** *Zoological Science*, 37(1), pp.1-11.

<https://bioone.org/journals/Zoological-Science/volume-37/issue-1/zs190078/Two-New-Ansonia-from-Mountains-of-Borneo-Anura-Bufonidae/10.2108/zs190078.short>

McDevitt-Galles, T. Moss, W. E. Calhoun, D. M. Johnson, P. T. J. (2020). **Phenological synchrony shapes pathology in host–parasite systems.** *Proceedings of the Royal Society B*, 287, 1919.

<https://royalsocietypublishing.org/doi/abs/10.1098/rspb.2019.2597>

Meindl, G. A. Schleissmann, N. Sander, B. Lam, M. Parker, W. Fitzgerald, C. Oltmer, R. Hua, J. (2020). **Exposure to metals (Ca, K, Mn) and road salt (NaCl) differentially affect development and survival in two model amphibians.** *Chemistry & Ecology*, DOI: 10.1080/02757540.2020.1718119.

<https://www.tandfonline.com/doi/abs/10.1080/02757540.2020.1718119>

Messerman, A. F. Semlitsch, R. D. Leal, M. (2020). **Estimating Survival for Elusive Juvenile Pond-Breeding Salamanders.** *The Journal of Wildlife Management*, Early View.

<https://wildlife.onlinelibrary.wiley.com/doi/abs/10.1002/jwmg.21815>

Miró, A. Ventura, M. (2020). **Introduced fish in Pyrenean high mountain lakes: impact on amphibians and other organisms, and conservation implications.** *Limnetica*, 39(1), pp.283-297.

<http://www.limnetica.com/documentos/limnetica/limnetica-39-1-p-283.pdf>

Moon, J.-I. Koo, K.-S. Jeon, M.-A. Choi, J.-H. Seong, H.-C. Lee, D.-H. (2020). **Complete mitochondrial genome of the Small Salamander in Korea, *Hynobius unisacculus* (Anura: Hynobiidae).** *Mitochondrial DNA Part B*, 5(1), pp.530-531.

<https://www.tandfonline.com/doi/full/10.1080/23802359.2019.1710275>

Morais, A. R. Andreani, T. L. Alves, R. dos Santos, C. E. Barros, J. Rezende, W. R. Lemes, P. (2020). **Anuran species in Brazil's protected areas network.** *The Herpetological Journal*, 30(1), pp. 27-34.

<https://www.thebhs.org/publications/the-herpetological-journal/volume-30-number-1-january-2020/2025-05-anuran-species-in-brazil-s-protected-areas-network>

Moresco, R. (2020). **Analysis of the mitochondrial D-Loop reveals that neither river boundaries nor geographic distance structure the fine-scale genetic variation of an Amazonian treefrog.** *Hydrobiologia*, 847(2), pp.321-330.

<https://link.springer.com/article/10.1007/s10750-019-04069-0>

Najbar, A. Konowalik, A. Halupka, K. Najbar, B. Ogielska, M. (2020). **Body size and life history traits of the fire salamander *Salamandra salamandra* from Poland.** *Amphibia-Reptilia*, 41(1), pp.63-74.

https://brill.com/view/journals/amre/41/1/article-p63_6.xml

Nguyen, T. Q. Pham, C. T. Nguyen, T. T. Luong, A. M. Ziegler, T. (2020). **A new species of *Megophrys* (Amphibia: Anura: Megophryidae) from Vietnam.** *Zootaxa*, 4722(1), Online.

<https://www.mapress.com/j/zt/article/view/zootaxa.4722.5.1>

Niebuhr, C. N. Jarvi, S. I. Kaluna, L. Fischer, B. L. T. Deane, A. R. Leinbach, I. L. Siers, S. R. (2020). **Occurrence of Rat Lungworm (*Angiostrongylus cantonensis*) in Invasive Coqui Frogs (*Eleutherodactylus coqui*) and Other Hosts in Hawaii, USA.** *Journal of Wildlife Diseases*, 56(1), pp.203-207.

<https://www.jwildlifedis.org/doi/pdf/10.7589/2018-12-294>

Otsuka, T. Phan, A. Q. Laurencin, C. T. Esko, J. D. Bryant, S. V. Gardiner, D. M. (2020). **Identification of Heparan-Sulfate Rich Cells in the Loose Connective Tissues of the Axolotl (*Ambystoma mexicanum*) with the Potential to Mediate Growth Factor Signaling during Regeneration.** *Regenerative Engineering and Translational Medicine*, doi:10.1007/s40883-019-00140-3.

<https://link.springer.com/article/10.1007/s40883-019-00140-3>

Parker-Graham, C. Clayton, L. A. Mangus, L. M. (2020). **Amphibian Renal Disease**. *Veterinary Clinics: Exotic Animal Practice*, 23(1), pp.215-230.

[https://www.vetexotic.theclinics.com/article/S1094-9194\(19\)30060-X/fulltext](https://www.vetexotic.theclinics.com/article/S1094-9194(19)30060-X/fulltext)

Parsley, M. B. Torres, M. L. Banerjee, S. M. Tobias, Z. J. C. Goldberg, C. S. Murphy, M. A. Mims, M. C. (2020). **Multiple lines of genetic inquiry reveal effects of local and landscape factors on an amphibian metapopulation**. *Landscape Ecology*, early View, pp.1–17.

<https://link.springer.com/article/10.1007/s10980-019-00948-y>

Passos, L. F. Garcia, G. Young, R. (2020). **How does captivity affect skin colour reflectance of golden mantella frogs?** *The Herpetological Journal*, 30(1), pp.13-19.

<https://doi.org/10.33256/hj30.1.1319>

Peixoto, M. A. Guedes, P. B. da Silva, E. T. Feio, R. N. Romano, P. S. R. (2020). **Biogeographic tools help to assess the effectiveness of protected areas for the conservation of anurans in the Mantiqueira mountain range, Southeastern Brazil**. *Journal for Nature Conservation*, Article, 125799, In Press, Journal Pre-proof.

<https://www.sciencedirect.com/science/article/abs/pii/S1617138119302894>

Pesarakloo, A. Najibzadeh, M. Mirkamali, S. (2020). **Novel method for detection probability and estimating population size of mountain frog, *Rana macrocnemis* (Boulenger, 1885) at the end of its distribution range**. *Landscape and Ecological Engineering*, 16(1), pp.11-21.

<https://link.springer.com/article/10.1007/s11355-019-00400-y>

Phaka, F. M. (2020). **Environmental science investigations of folk taxonomy and other forms of indigenous knowledge**. *South African Journal of Science*, 116(1/2), Art. #6538, pp.1- 4.

<https://www.sajs.co.za/article/view/6538>

Pintanel, P. Tejado, M. Almeida-Reinoso, F. Merino-Viteri, A. Gutiérrez-Pesquera, L. M. (2020). **Critical Thermal Limits Do Not Vary between Wild-caught and Captive-bred Tadpoles of *Agalychnis spurrelli* (Anura: Hylidae)**. *Diversity*, 12(2), 43, pp.1-8.

<https://www.mdpi.com/1424-2818/12/2/43>

Pinto-Eraza, M. A. Espinosa, M. L. C. Rangel, G. F. M. Galeano, M. A. M. (2020). **Herpetofauna from two municipalities of southwestern Colombia.** *Biota Colombiana*, 21(1), Online.

<http://revistas.humboldt.org.co/index.php/biota/article/view/698/646>

Putri, A. A. Fahri, F. Annawaty, A. Hamidy, A. (2020). **Ecological investigations and diversity of amphibians in Lake Kalimpa'a, Lore Lindu National Park, Central Sulawesi.** *Journal of Natural History*, 53(41-42), pp.2503-2516.

<https://www.tandfonline.com/doi/abs/10.1080/00222933.2019.1705930>

Radomski, T. Hantak, M. M. Brown, A. D. Kuchta, S. R. (2020). **Multilocus Phylogeography of Eastern Red-backed Salamanders (*Plethodon cinereus*): Cryptic Appalachian Diversity and Postglacial Range Expansion.** *Herpetologica*, In-Press.

<https://www.hljournals.org/doi/abs/10.1655/Herpetologica-D-19-00045.1>

Ramvalho, W. P. Guerra, V. Ferraz, D. Machado, I. F. do Prado, V. H. M. (2020). **Filling gaps on the endangered Cerrado Rocket Frog *Allobates goianus* (Bokermann, 1975) (Anura: Aromobatidae): new distributional record and comments on its daily activity.** *Cuadernoe de Herpetología*. 34(1): 00-00.

https://www.researchgate.net/publication/338585019_Filling_gaps_on_the_endangered_Cerrado_Rocket_Frog_Allobates_goianus_Bokermann_1975_Anura_Aromobatidae_new_distributional_record_and_comments_on_its_daily_activity

Ramamonjiso, N. Sakai, M. Ndriantsoa, S. H. Kakehashi, R. Kurabayashi, A. Tomaru, N. Natuhara, Y. (2020). **Hotspots of stream tadpole diversity in forest and agricultural landscapes in Ranomafana, Madagascar.** *Landscape and Ecological Engineering*, Online ISSN 1860-188X, pp.1–15.

<https://link.springer.com/article/10.1007/s11355-020-00407-w>

Redbond, J. Lamont, H. Boor, F. Tyrrell, M. (2020). **Captive husbandry and breeding of the reticulated glass frog, *Hyalinobatrachium valerioi* (Anura: Centrolenidae).** *The Herpetological Bulletin* 150, pp.14-17.

https://www.researchgate.net/profile/Jay_Redbond/publication/338280890_Captive_husbandry_and_breeding_of_the_reticulated_glass_frog_Hyalinobatrachium_valerioi_Anura_Centrolenidae/link/s/5e11bc6d299bf10bc390d9bb/Captive-husbandry-and-breeding-of-the-reticulated-glass-frog-Hyalinobatrachium-valerioi-Anura-Centrolenidae.pdf

Rodríguez, C. Hödl, W. (2020). **Sound radiation pattern of the advertisement call of the highly territorial poison frog *Allobates femoralis***. *Behavioural Processes*, 170, 103996.

<https://www.sciencedirect.com/science/article/pii/S037663571930292X>

Rose, J. P. Halstead, B. J. Fisher, R. N. (2020). **Integrating multiple data sources and multi-scale land-cover data to model the distribution of a declining amphibian**. *Biological Conservation*, 241, 108374.

<https://www.sciencedirect.com/science/article/pii/S0006320719309929>

Samarasinghe, H. You, M. Jenkinson, T. S. Xu, J. James, T. Y. (2020). **Hybridization Facilitates Adaptive Evolution in Two Major Fungal Pathogens**. *Genes*, 11(1), 101, pp.1-21.

<https://www.mdpi.com/2073-4425/11/1/101>

Sánchez-Hernández, J. (2020). **Reciprocal Role of Salamanders in Aquatic Energy Flow Pathways**. *Diversity*, 12(1), 32, pp.1-16.

<https://www.mdpi.com/1424-2818/12/1/32>

Sanor, L. D. Flowers, G. P. Crews, C. M. (2020). **Multiplex CRISPR/Cas screen in regenerating haploid limbs of chimeric Axolotls**. *eLife*, 9: e48511.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6986871/pdf/elife-48511.pdf>

Sato, K. Tokmakov, A. A. (2020). **Toward the understanding of biology of oocyte life cycle in *Xenopus Laevis*: No oocytes left behind**. *Reproductive Medicine & Biology*, Early View.

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/rmb2.12314>

Sato, K. Taniai, M. Kato, K. Kato, T. (2020). **Relationship between the Induced Iron Overload Model and Hepatic Erythropoiesis in *Xenopus laevis***. *Zoological Science*, 37(1), pp.1-9.

<https://bioone.org/journals/Zoological-Science/volume-37/issue-1/zs190102/Relationship-between-the-Induced-Iron-Overload-Model-and-Hepatic-Erythropoiesis/10.2108/zs190102.short>

Sauer, E. L. Cohen, J. M. Lajeunesse, M. J. McMahon, T. A. Civitello, D. J. Knutie, S. A. Nguyen, K. Roznik, E. A. Sears, B. F. Bessler, S. Delius, B. K. Halstead, N. Ortega, N. Venesky, M. D. Young, S. Rohr, J. R. (2020). **A meta-analysis reveals temperature, dose, life stage, and taxonomy influence host susceptibility to a fungal parasite**. *Ecology*, Accepted Article, e02979.

<https://esajournals.onlinelibrary.wiley.com/doi/abs/10.1002/ecy.2979>

Schwarz, D. Konow, N. Roba, Y. T. Heiss, E. (2020). **A salamander that chews using complex, three-dimensional mandible movements.** *Journal of Experimental Biology*, jeb.220749.

<https://jeb.biologists.org/content/early/2020/01/25/jeb.220749>

Severgnini, M. R. Moroti, M. de T. Pedrozo, M. Ceron, K. Santana, D. J. (2020). **Acerola fruit: An unusual food item for the Cururu toad *Rhinella diptycha* (Cope, 1862) (Anura: Bufonidae).** *Herpetology Notes*, 13, pp.7-10.

<https://www.biotaxa.org/hn/article/view/55284>

Shin, Y. Jang, Y. Borzée, A. (2020). **Limb malformations in *Bombina orientalis* (Anura: Bombinatoridae) in the Republic of Korea based on museum specimens.** *Herpetology Notes*, 13, pp.29-31.

<https://www.biotaxa.org/hn/article/view/56085>

Simioni, F. Alves, N. C. Picheli, K. O. R. Pansonato, A. Rossa-Feres, D. C. Strüssmann, C. (2020). **Field and laboratory observations on reproductive aspects of *Pseudopaludicola ameghini* (Cope, 1887) (Leptodactylidae: Leiuperinae).** *Journal of Natural History*, 53(41-42), Online.

<https://www.tandfonline.com/doi/abs/10.1080/00222933.2019.1706779>

Stephenson, P. Workman, C. Grace, M. Long, B. (2020). **Testing the IUCN Green List of Species.** *Oryx*, 54(1), pp.10-11.

<https://www.cambridge.org/core/journals/oryx/article/testing-the-iucn-green-list-of-species/2D5A71D6F1139F6B427F949E53960F0F>

Stevenson, L. A. Roznik, E. A. Greenspan, S. E. Alford, R. A. Pike, D. A. (2020). **Host thermoregulatory constraints predict growth of an amphibian chytrid pathogen (*Batrachochytrium dendrobatidis*).** *Journal of Thermal Biology*, 87, Article, 102472.

<https://www.sciencedirect.com/science/article/pii/S0306456519303407>

Sturgeon, H. G. Kitchen, J. P. Dahora, L. I. Sweeten, S. E. Thompson, C. K. (2020). **Reconstituted Mining Effluent Reduces Neuronal Proliferation in the Developing Brain and Slows Growth of Body and Facial Features in Wild-Caught Wood Frog Tadpoles.** *BioRxiv*, Online.

<https://www.biorxiv.org/content/10.1101/2020.01.29.924837v1.full.pdf>

Supekar, S. C. Gramapurohit, N. P. G. (2020). **Does temporal variation in predation risk affect antipredator responses of larval skipper frogs (*Euphlyctis cyanophlyctis*)?** *Canadian Journal of Zoology*, e-First Article.

<https://www.nrcresearchpress.com/doi/pdf/10.1139/cjz-2019-0118>

Tsai, S. L. Baselga-Garriga, C. Melton, D. A. (2020). **Midkine is a dual regulator of wound epidermis development and inflammation during the initiation of limb regeneration.** *eLife* 9, e50765.

<https://elifesciences.org/articles/50765>

Úbeda, C. Moncada, M. Kun, M. Jara, F. (2020). **First records of predation by aquatic insects on tadpoles of *Hylorina sylvatica* Bell 1843 (Anura, Batrachylidae) under natural conditions.** *Boletín Chileno de Herpetología*, 6, pp.53-56.

https://s3.amazonaws.com/academia.edu.documents/61793771/10_ubeda201920200115-111610-zg19fi.pdf?response-content-disposition=inline%3B%20filename%3DFirst_records_of_predation_by_aquatic_in.pdf&X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWOWYYGZ2Y53UL3A%2F20200123%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20200123T051322Z&X-Amz-Expires=3600&X-Amz-SignedHeaders=host&X-Amz-Signature=4f550a9b9465be6c6040658d8d083ad406cbca294a64f216c0ba2812f2e3bc21

Veith, M. Göçmen, B. Sotiropoulos, K. Eleftherakos, K., Lötters, S. Godmann, O. Karış, M. Oğuz, A. Ehl, S. (2020). **Phylogeographic analyses point to long-term survival on the spot in micro-endemic Lycian salamanders.** *PLoS One*, 15(1), e0226326.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0226326>

Wallace, S. J. Lecler, A. J. A. Prosser, R. de Solla, S. R. Balakrishnan, Langlois, V. V. S. (2020). **Sub-lethal effects of calcium dinonylnaphthalenesulfonate on Western clawed frog embryos.** *Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, In Press, Journal Pre-proof, Article 100658.

<https://www.sciencedirect.com/science/article/pii/S1744117X20300058>

Wang, J. Li, Z. Gao, H. Liu, Z. Teng, L. (2020). **The complete mitochondrial genome of the *Rana kukunoris* (Anura: Ranidae) from Inner Mongolia, China.** *Mitochondrial DNA Part B Resources* 5(1), pp.586-587.

<https://www.tandfonline.com/doi/pdf/10.1080/23802359.2019.1710591?needAccess=true>

Weerathunga, W.A.M.T., Rajapaksa, G. (2020). **The impact of elevated temperature and CO₂ on growth, physiological and immune responses of Polypedates cruciger (common hourglass tree frog).** *Frontiers in Zoology* 17(3), pp.1-25.

<https://frontiersinzoology.biomedcentral.com/track/pdf/10.1186/s12983-019-0348-3>

Wei, G. Li, S.-Z. Liu, J. Cheng, Y.-L. Xu, N. Wang, B. (2020). **A new species of the Music frog Nidirana (Anura, Ranidae) from Guizhou Province, China.** *ZooKeys*, 904, pp.63–87.

<https://zookeys.pensoft.net/article/39161/>

Whatley, C. Tapley, B. Chang, Y.-M. R. Newton-Yowens, J. Mckendry, D. Michaels, C. (2020). **Impacts of UVB provision on serum vitamin D₃, pigmentation, growth rates and total body mineral content in Mallorcan midwife toad larvae (Alytes muletensis).** *Journal of Zoo and Aquarium Research* 8(1), pp.37-44.

<https://www.izar.org/izar/article/view/434/302>

Wilber, M. Q. Jani, A. J. Mihaljevic, J. R. Briggs, C. J. (2020). **Fungal infection alters the selection, dispersal and drift processes structuring the amphibian skin microbiome.** *Ecology letters*, 23(1), pp.88-98.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/ele.13414>

Winiarski, K. Peterman, W. Whiteley, A. Mcgarigal, K. (2020). **Multiscale resistant kernel surfaces derived from inferred gene flow: An application with vernal pool breeding salamanders.** *Molecular Ecology Resources*, 20(1), pp.97-113.

<https://www.ncbi.nlm.nih.gov/pubmed/31484210>

Wright, A. D. Grant, E. H. C. Zipkin, E. F. (2020). **A hierarchical analysis of habitat area, connectivity, and quality on amphibian diversity across spatial scales.** *Landscape Ecology*, Early View, pp.1-16.

<https://link.springer.com/article/10.1007/s10980-019-00963-z>

Yaw, T. J. Mans, C. Martinelli, L. Sladky, K. K. (2020). **Comparison of subcutaneous administration of alfaxalone-midazolam-dexmedetomidine for restraint in juvenile poison dart frogs (dendrobates tinctorius azureus).** *Journal of Zoo & Wildlife Medicine*, 50(4), pp.868-873.

<https://www.ncbi.nlm.nih.gov/pubmed/31926517>

Zamora-Camacho, F. J. Aragón, P. (2020). **Larval newts adjust foraging rate to perceived predator and competitor proximity**. *Aquatic Ecology*, DOI: 10.1007/s10452-019-09741-0.

<https://link.springer.com/article/10.1007/s10452-019-09741-0>

Zheng, X. Natuhara, Y. (2020). **Landscape and local correlates with two green tree-frogs, *Rhacophorus* (Amphibia: Rhacophoridae) in different habitats, central Japan**. *Landscape and Ecological Engineering*, Early Online, pp 1–8.

<https://link.springer.com/article/10.1007/s11355-019-00406-6>

Zhou, J. Nelson, T. M. Lopez, C. R. Sarma, R. R. Zhou, S. J. Rollins, L. A. (2020). **A comparison of non-lethal sampling methods for amphibian gut microbiome analyses**. *Molecular Ecology Resources*, Accepted Article.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/1755-0998.13139>

Zhu, W. B. Zhao, C. L. Liao, C. L. Zou, B. Xu, D. Zhu, W. Zhao, T. Jiang, J. P. (2020). **Spatial and temporal patterns of amphibian species richness on Tianping Mountain, Hunan Province, China**. *Zoological Research*, 15, pp.1-6. [Epub ahead of print].

<http://www.zoores.ac.cn/EN/10.24272/j.issn.2095-8137.2020.017>

February

Albecker, M. A. Pahl, M. Smith, M. Wilson, J. G. McCoy, M. W. (2020). **Influence of density and salinity on larval development of salt-adapted and salt-naïve frog populations**. *Ecology & Evolution*, Early View.

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/ece3.6069>

Allingham, S. M. (2020). **The Effects of Habitat Alteration on Anuran Diversity and Assemblages on Mount Mulanje, Malawi**. *African Journal of Wildlife Research*, 50(1), pp.20-35.

<https://bioone.org/journals/African-Journal-of-Wildlife-Research/volume-50/issue-1/056.050.0020/The-Effects-of-Habitat-Alteration-on-Anuran-Diversity-and-Assemblages/10.3957/056.050.0020.short>

Alves, E. G. Pelicice, F. M. (2020). **Amphibians in the Brazilian Cerrado: diversity, research effort and conservation.** *BioRxiv*, Preprint.

<https://www.biorxiv.org/content/10.1101/2020.02.13.945618v1.full.pdf>

Alves da Silva, L. Santos Carvalho, P. Almeida Pereira, E. Moleiro Fadel, R. Pereira Dantas, S. Albuquerque Brandão, R. José Santana, D. (2020). **Richness, diversity patterns, and taxonomic notes of amphibians from the Tocantins state.** *Biota Neotropica*, 20(1), pp.1-22.

http://www.scielo.br/scielo.php?script=sci_arttext&pid=S1676-06032020000100306&lng=en&tlng=en

Amburgey, S. M. Miller, D. A. W. Brand, A. Dietrich, A. E. Grant, E. H. C. (2020). **Factors Facilitating Co-occurrence at the Range Boundary of Shenandoah and Red-Backed Salamanders.** *Journal of Herpetology*, 54(1), pp.125-135.

<https://www.journalofherpetology.org/doi/abs/10.1670/18-162>

Andrade, G. V. Silva, A. F. C. Valencia-Zuleta, A. Orrico, V. G. D. Ribeiro, M. V. (2020). **A new record of *Rhaebo guttatus* (Schneider, 1799) (Anura: Bufonidae) for an ecotonal area in the State of Maranhão, Northeastern Brazil.** *Herpetology Notes*, 13, pp.125-127.

<https://www.biotaxa.org/hn/article/view/57393>

Aronzon, C. M. Peluso, J. Coll, C. P. (2020). **Mixture toxicity of copper and nonylphenol on the embryo-larval development of *Rhinella arenarum*.** *Environmental Science and Pollution Research* (2020).

<https://link.springer.com/article/10.1007/s11356-020-07857-7>

Arntzen, J. W. van Belkom, J. (2020). **'Mainland-island' population structure of a terrestrial salamander in a forest-bocage landscape with little evidence for in situ ecological speciation.** *Scientific Reports*, 10, Article number: 1700.

<https://www.nature.com/articles/s41598-020-58551-0>

Bainbridge, R. E. Wozniak, K. Phelps, W. A. Sanders, S. M. Nicotra, M. L. Lee, M. T. Carlson, A. E. (2020). **Zinc Protection of Fertilized Eggs is Conserved in Non-Mammalian Species.** *Biophysical Journal*, 118(3), Supplement 1, 563a.

[https://www.cell.com/biophysj/pdf/S0006-3495\(19\)34005-6.pdf](https://www.cell.com/biophysj/pdf/S0006-3495(19)34005-6.pdf)

Ballard, D. R. Duffus, A. L. J. (2020). **Synteny and phylogenetic signal analysis of 19 different strains encompassing six species of ranavirus.** *Georgia Journal of Science*, 78(1), Article 33.

<https://digitalcommons.gaacademy.org/gjs/vol78/iss1/33>

Barnes, E. M. Carter, E. L. Lewis, J. D. (2020). **Predicting Microbiome Function Across Space Is Confounded by Strain-Level Differences and Functional Redundancy Across Taxa.** *Frontiers in Microbiology*, Online.

https://www.frontiersin.org/articles/10.3389/fmicb.2020.00101/full?utm_source=S-TWT&utm_medium=SNET&utm_campaign=ECO_FCIMB_XXXXXXX_auto-dlvrit

Benvindo-Souza, M. Oliveira, E. A. S. Assis, R. A. Santos, C. G. A. Borges, R. E. e Silva, D. de M. Santos, L. R. de S. (2020). **Micronucleus test in tadpole erythrocytes: Trends in studies and new paths.** *Chemosphere*, 240, 124910.

<https://www.sciencedirect.com/science/article/pii/S0045653519321496>

Bissattini, A. M. Buono, V. Vignoli, L. (2020). **Moonlight rather than moon phase influences activity and habitat use in an invasive amphibian predator and its native amphibian prey.** *Acta Oecologica* 103, Article: 103529. DOI: 10.1016/j.actao.2020.103529.

<https://www.sciencedirect.com/science/article/abs/pii/S1146609X20300217>

Borah, B. K. Renthlei, Z. Trivedi, A. K. (2020). **Hypothalamus but not liver retains daily expression of clock genes during hibernation in terai tree frog (*Polypedates teraiensis*).** *Chronobiology International*.

<https://www.tandfonline.com/doi/abs/10.1080/07420528.2020.1726373?journalCode=icbi20>

Borzée, A. Purevdorj, Z. Kim, Y. I. Kong, S. Choe, M. Yi, Y. Kim, K. Kim, A. Jang, Y. (2020). **Breeding preferences in the treefrogs *Dryophytes japonicus* (Hylidae) in Mongolia.** *Journal of Natural History*, 53(43-44), pp.2685-2698.

<https://www.tandfonline.com/doi/abs/10.1080/00222933.2019.1704458>

Brunsdon, H. Isaacs, H. V. (2020). **A comparative analysis of fibroblast growth factor receptor signalling during *Xenopus* development.** *Biology of the Cell*, Early View.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/boc.201900089>

Burns, J. A. Kerney, R. Duhamel, S. (2020). **Heterotrophic Carbon Fixation in a Salamander-Alga Symbiosis**. *BioRxiv*, Preprint.

<https://www.biorxiv.org/content/10.1101/2020.02.14.948299v1.full.pdf>

Casais, R. Larrinaga, A. R. Dalton, K. P. Lapido, P. D. Márquez, I. Bécares, E. Carter, E. D. Gray, M. J. Miller, D. L. Balseiro, A. (2020). **Author correction: Water sports could contribute to the translocation of ranaviruses**. *Scientific Reports*, 10: 3551.

<https://www.nature.com/articles/s41598-020-60643-w.pdf>

Cassini, C. S. Taucce, P. P. G. de Carvalho, T. R. Fouquet, A. Solé, M. Haddad, C. F. B. Garcia, P. C. A. (2020). **One step beyond a broad molecular phylogenetic analysis: Species delimitation of Adenomera marmorata Steindachner, 1867 (Anura: Leptodactylidae)**. *PLoS One*, 15(2), e0229324.

<https://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0229324&type=printable>

Chambouvet A, Smilansky V, Jirků M, Isidoro-Ayza M, Itoiz S, Derelle E, et al. (2020) **Diverse alveolate infections of tadpoles, a new threat to frogs?** *PLoS Pathogens* 16(2): e1008107.

<https://journals.plos.org/plospathogens/article/file?id=10.1371/journal.ppat.1008107&type=printable>

Christie, A. P. Amano, T. Martin, P. A. Petrovan, S. O. Shackelford, G. E. Simmons, B. I. Smith, R. K. Williams, D. R. Wordley, C. F. R. Sutherland, W. J. (2020). **Poor availability of context-specific evidence hampers decision-making in conservation**. *BioRxiv*, Preprint.

<https://www.biorxiv.org/content/10.1101/2020.02.13.946954v1.full.pdf>

Colon, V. Gumpenberger, M. (2020). **Diagnosis of hepatic lipidosis in a tiger salamander (Ambystoma tigrinum) by computed tomography**. *Journal of Exotic Pet Medicine*, In Press, Journal Pre-proof.

<https://www.sciencedirect.com/science/article/abs/pii/S1557506320300033>

Costa, E. C. Albors, A. R. Tanaka, E. M. Chara, O. (2020). **Modeling the spatiotemporal control of cell cycle acceleration during axolotl spinal cord regeneration**. *BioRxiv*, Preprint.

<https://www.biorxiv.org/content/10.1101/2020.02.10.941443v1.full.pdf>

Costa, W. P. Trevelin, C. C. (2020). **Congeneric predation of Leptodactylus fuscus (Schneider, 1799) by Leptodactylus chaquensis Ceil, 1950 (Anura, Leptodactylidae)**. *Herpetology Notes*, 13, pp.109-111.

<https://www.biotaxa.org/hn/article/viewFile/56683/59664>

Crawford, B. A. Maerz, J. C. Moore, C. T. (2020). **Expert-informed habitat suitability analysis for at-risk species assessment and conservation planning.** *Journal of Fish and Wildlife Management*, In-Press.

<https://www.fwspubs.org/doi/abs/10.3996/092019-JFWM-075>

Cruz-Elizalde, R. Magno-Benítez, I. Berriozabal-Islas, C. Ortiz-Pulido, R. Ramírez-Bautista, A. Hernández-Austria, R. (2020). **Climatic niche, natural history, and conservation status of the Porthole Treefrog, *Charadrahyla taeniopus* (Günther, 1901) (Anura: Hylidae) in Mexico.** *Amphibian & Reptile Conservation* 14(1) [General Section], pp.10–21 (e219).

https://www.researchgate.net/profile/Raciel-Cruz-Elizalde2/publication/339200138_Climatic_niche_natural_history_and_conservation_status_of_the_Porthole_Treefrog_Charadrahyla_taeiopos_Gunther_1901_Anura_Hylidae_in_Mexico/links/5e437fa592851c7f7f30c2b2/Climatic-niche-natural-history-and-conservation-status-of-the-Porthole-Treefrog-Charadrahyla-taeiopos-Guenther-1901-Anura-Hylidae-in-Mexico.pdf

Davis, A. J. Fuller, R. B. Garner, A. R. Mileham, A. M. Serna, J. D. Brue, D. E. Harding, C. M. Dodgen, C. D. Culpepper, W. Piatt, B. Rosario, S. E. Duffus, A. L. J. (2020). **Examining the 26 Iridovirus core genes for alternatives to the major capsid protein for phylogenetic reconstruction in ranaviruses: an ongoing saga.** *Georgia Journal of Science*, 78(1), Article 11.

<https://digitalcommons.gaacademy.org/gjs/vol78/iss1/11>

Diaz, P. H. Orsak, E. L. Weckerly, F. W. Montagne, M. M. Alvarez, D. A. (2020). **Urban Stream Syndrome and Contaminant Uptake in Salamanders of Central Texas.** *Journal of Fish and Wildlife Management*, In-Press.

<https://www.fwspubs.org/doi/pdf/10.3996/032018-JFWM-017>

Díaz-García, J. M. López-Barrera, F. Toledo-Aceves, T. Andresen, E. Pineda, E. (2020). **Does forest restoration assist the recovery of threatened species? A study of cloud forest amphibian communities.** *Biological Conservation*, 242, 108400.

<https://www.sciencedirect.com/science/article/abs/pii/S000632071931660X>

Ding, G.-H. Chen, Z.-Q. Tang, Y. Zheng, W.-C. Ji, X. (2020). **The advertisement call of the moustache toad *Leptobrachium liui* Pope, 1947 (Anura: Megophryidae) from eastern China.** *Zootaxa*, 4732(4).

<https://www.mapress.com/j/zt/article/view/zootaxa.4732.4.8>

Dittrich, C. Rödel, M.-O. (2020). **Description of female release calls of the European Common Frog, *Rana temporaria* (Anura: Ranidae).** *Salamandra*, 56(1), pp.91-94.

<http://www.salamandra-journal.com/index.php/home/contents/2020-vol-56>

Dubeux, M. J. M. da Silva, T. D. Mott, T. do Nascimento, F. A. C. (2020). **Redescription of the tadpole of *Leptodactylus natalensis* Lutz (Anura: Leptodactylidae), an inhabitant of the Brazilian Atlantic Forest.** *Zootaxa*, 4732(2), pp.346-350.

<https://www.mapress.com/j/zt/article/view/zootaxa.4732.2.12>

Edge, C. B. Baker, L. F. Lanctôt, C. M. Melvin, S. D. Gahl, M. K. Kurban, M. Navarro-Martín, L. Kidd, K. A. Trudeau, V. L. Thompson, D. G. Mudge, J. F. Houlahan, J. E. (2020). **Compensatory indirect effects of an herbicide on wetland communities.** *Science of The Total Environment*, Article 137254, In Press, Journal Pre-proof.

<https://www.sciencedirect.com/science/article/pii/S0048969720307646>

Elder, J. s. Duffus, A. L. J. (2020). **Iridovirus core genes: suitable targets for examining local adaptation?** *Georgia Journal of Science*, 78(1), Article 19.

<https://digitalcommons.gaacademy.org/gjs/vol78/iss1/19>

Enge, K. M. Blush, J. C. Hickson, J. Lee, A. Miller, S. (2020). **A Striped Newt Population at the Southern Extent of its Range in Osceola County, Florida.** *Southeastern Naturalist*, 19(1), pp.61-72.

<https://bioone.org/journals/Southeastern-Naturalist/volume-19/issue-1/058.019.0107/A-Striped-Newt-Population-at-the-Southern-Extent-of-its/10.1656/058.019.0107.short>

Farthing, H. N. Jiang, J. Henwood, A. J. Fenton, A. Fisher, M. C. Montagnes, D. J. S. (2020). **Microbial grazers can control chytridiomycosis caused by aquatic zoosporic fungi.** *BioRxiv*, Pre-print.

<https://www.biorxiv.org/content/10.1101/2020.02.03.931857v1.full.pdf>

Ficetola, G. F. Lunghi, E. Manenti, R. (2020). **Microhabitat analyses support relationships between niche breadth and range size when spatial autocorrelation is strong.** *Ecography*, Early View.

<https://onlinelibrary.wiley.com/doi/pdf/10.1111/ecog.04798>

Fisher, M. C. Garner, T. W. J. (2020). **Chytrid fungi and global amphibian declines.** *Nature Reviews Microbiology*, <https://doi.org/10.1038/s41579-020-0335-x>.

<https://www.nature.com/articles/s41579-020-0335-x.pdf>

Flynn, R. W. Iacchetta, M. de Perre, C. Lee, L. Sepúlveda, M. S. Hoverman, J. T. (2020). **Chronic PFAS-exposure under environmentally relevant conditions delays development in northern leopard frog (*Rana pipiens*) larvae.** *Environmental Toxicology & Chemistry*, Accepted Article.

<https://setac.onlinelibrary.wiley.com/doi/abs/10.1002/etc.4690>

Fuchs, L. D. Tupper, T. A. Aguilar, R. Lorentz, E. B. Bozarth, C. A. Fernandez, D. J. Lawlor, D. M. (2020). **Detection of *Ophidiomyces ophiodiicola* at two mid-Atlantic natural areas in Anne Arundel County, Maryland and Fairfax County, Virginia, USA.** *Amphibian & Reptile Conservation*, 14(1), pp.22–28, e220.

[http://amphibian-reptile-conservation.org/pdfs/Volume/Vol_14_no_1/ARC_14_1_\[General_Section\]_22-28_e220.pdf](http://amphibian-reptile-conservation.org/pdfs/Volume/Vol_14_no_1/ARC_14_1_[General_Section]_22-28_e220.pdf)

Furtado, M. F. M. Costa-Campos, C. E. (2020). **Diet composition of *Lysapsus bolivianus* Gallardo, 1961 (Anura, Hylidae) of the Curiaú Environmental Protection Area in the Amazonas river estuary.** *Herpetology Notes*, 13, pp.113-123.

<https://www.biotaxa.org/hn/article/view/39494>

Gómez, C. M. A. Woodcock, M. R. Smith, J. J. Vosse, S. R. Delgado, J. P. (2020). **A de novo reference transcriptome for *Bolitoglossa vallecula*, an Andean mountain salamander in Colombia.** *Data in Brief*, Article 105256, In Press, Uncorrected Proof.

<https://www.sciencedirect.com/science/article/pii/S2352340920301505>

Gonçalves, D. V. Brito, J. (2020). **Second Sahelian amphibian endemism suggested by phylogeography of Groove crowned Bullfrog (*Hoplobatrachus occipitalis*) in western Sahel and hints of polyploid species formation.** *Journal of Zoological Systematics and Evolutionary Research*, 58(1), pp.262-274.

<https://onlinelibrary.wiley.com/doi/full/10.1111/jzs.12321>

Gould, J. (2020). **Build me up to break me down: Frothed spawn in the sandpaper frog, *Lechriodus fletcheri*, is formed by female parents and later broken down by their offspring.** *BioRxiv*, Preprint.

<https://www.biorxiv.org/content/10.1101/2020.02.06.937409v1.full.pdf>

Granda-Rodríguez, H. D. Montes-Correa, A. C. Jiménez-Bolaño, J. D. Alaniz, A. J. Cattán, P. E. Hernández, P. (2020). **Insights into the natural history of the endemic Harlequin Toad, *Atelopus laetissimus* Ruiz-Carranza, Ardila-Robayo, and Hernández-Camacho, 1994 (Anura: Bufonidae), in the Sierra Nevada de Santa Marta, Colombia.** *Amphibian & Reptile Conservation* 14(1), pp.29–42 (e221).

https://s3.amazonaws.com/academia.edu.documents/62131833/Granda-Rodriguez_et_al._202020200218-31952-ff4sab.pdf?response-content-disposition=inline%3B%20filename%3DInsights+into+the+natural+history+of+the.pdf&X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWOWYYGZ2Y53UL3A%2F20200225%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20200225T231653Z&X-Amz-Expires=3600&X-Amz-SignedHeaders=host&X-Amz-Signature=436035f7e3ea77c2d826472dafdf0912e1dd15d20775d2387746eb3d62e87a1c

Hardman, R. H. Irwin, K. J. Sutton, W. B. Miller, D. L. (2020). **Evaluation of Severity and Factors Contributing to Foot Lesions in Endangered Ozark Hellbenders, *Cryptobranchus alleganiensis bishopi***. *Frontiers in Veterinary Science*, Online.

<https://www.frontiersin.org/articles/10.3389/fvets.2020.00034/full>

Hartel, T. Scheele, B. C. Rozyłowicz, L. Horcea-Milcu, A. Cogălniceanu, D. (2020). **The social context for conservation: Amphibians in human shaped landscapes with high nature values**. *Journal for Nature Conservation*, 53, Article 125762.

<https://www.sciencedirect.com/science/article/pii/S1617138119302948>

Hasebe, T. Fujimoto, K. Buchholz, D. R. Ishizuya-Oka, A. (2020). **Stem cell development involves divergent thyroid hormone receptor subtype expression and epigenetic modifications in the *Xenopus* metamorphosing intestine**. *General and Comparative Endocrinology*, 113441, In Press, Journal Pre-proof.

<https://www.sciencedirect.com/science/article/pii/S0016648019305933>

Hawkins, L. J. Storey, K. B. (2020). **Advances and applications of environmental stress adaptation research**. *Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology*, 240, Article 110623.

<https://www.sciencedirect.com/science/article/pii/S1095643319303873>

Hernández-Gómez, O. Byrne, A. Q. Gunderson, A. R. Jenkinson, T. S. Noss, C. F. Rothstein, A. P. Womack, M. C. Rosenblum, E. B. (2020). **Invasive vegetation affects amphibian skin microbiota and body condition**. *PeerJ*, 8: e8549.

<https://peerj.com/articles/8549/>

Hinneberg, H. Riedel, E.-M. Foerster, K. Kupfer, A. (2020). **Interrelation of colouration and morphological traits in Northern Crested Newts (*Triturus cristatus*): towards a non-invasive tool for age determination**. *Salamandra*, 56(1), pp. 57-65.

<http://www.salamandra-journal.com/index.php/home/contents/2020-vol-56>

Huang, T. Cui, L. Li, D. Fan, X. Yang, M. Yang, D. Ni, Q. Li, Y. Yao, Y. Xu, H. Zeng, B. Li, Y. Sun, F. Zhang, M. (2020). **The complete mitogenome of the large toothed toad, *Oreolalax major* (Anura: Megophryidae) with phylogenetic analysis.** *Mitochondrial DNA, Part B*, 5(1), pp.1117-1118.

<https://www.tandfonline.com/doi/full/10.1080/23802359.2020.1726223>

Ichikawa, R. Toyozumi, R. (2020). **Finely tuned ciliary alignment and coordinated beating generate continuous water flow across the external gills in *Pleurodeles waltl* larvae.** *Zoomorphology*, Early View.

<https://link.springer.com/article/10.1007/s00435-020-00479-0>

Igawa, T. Sugawara, H. Honda, M. Tominaga, A. Oumi, S. Katsuren, S. Ota, H. Matsui, M. Sumida, M. (2020). **Detecting inter- and intra-island genetic diversity: population structure of the endangered crocodile newt, *Echinotriton andersoni*, in the Ryukyus.** *Conservation Genetics*, 21(1), pp.13-26.

<https://link.springer.com/article/10.1007/s10592-019-01219-8>

Ivanova, E. S. Komov, V. T. Khabarova, L. S. Udodenko, Y. G. Bazhenova, D. E. Poddubnaya, N. Y. Bushmanova, N. A. (2020). **Mercury Content in Tissues of Amphibians of Northwest Russia (Vologda Region).** *Advances in Engineering Research*, 191, pp.75-79.

<https://www.atlantis-press.com/proceedings/atg-19/125933837>

Kaczmarzski, M. Benedetti, Y. Morelli, F. (2020). **Amphibian diversity in Polish cities: Taxonomic diversity, functional diversity and evolutionary distinctiveness.** *Basic and Applied Ecology*, In Press, Journal Pre-proof.

<https://www.sciencedirect.com/science/article/pii/S1439179120300165>

Kärvemo, S. Wikström, G. Widenfalk, L. A. Höglund, J. Laurila, A. (2020). **Chytrid fungus dynamics and infections associated with movement distances in a red-listed amphibian.** *Journal of Zoology*, Early View.

<https://zslpublications.onlinelibrary.wiley.com/doi/pdf/10.1111/jzo.12773>

Kelehear, C. Ibáñez, R. Rodríguez, C. Buitrago, S. Durant-Archibold, A. A. (2020). **Sarcophagid Myiasis in the Bufonid *Rhinella alata* in Panama.** *Journal of Wildlife Diseases*, First Online.

<https://www.jwildlifedis.org/doi/abs/10.7589/2018-05-121?journalCode=jwidi>

Kim, K. Macias, D. Borzée, A. Jang, Y. (2020). **Ueno's brown frog *Rana uenoi* indiscriminately ceases calling in the presence of daytime birds.** *Ethology Ecology & Evolution*, DOI: 10.1080/03949370.2020.1717638.

<https://www.tandfonline.com/doi/full/10.1080/03949370.2020.1717638>

Kloskowski, J. Nieoczym, M. Stryjecki, R. (2020). **Between-habitat distributions of pond tadpoles and their insect predators in response to fish presence.** *Hydrobiologia*, Online ISSN 1573-5117.

<https://link.springer.com/content/pdf/10.1007%2Fs10750-020-04190-5.pdf>

Kohli, P. Marazzi, L. Eastman, D. (2020). **Transcriptome analysis of axolotl oropharyngeal explants during taste bud differentiation stages.** *Mechanisms of Development*, Article 103597, In Press, Journal Pre-proof.

<https://www.sciencedirect.com/science/article/abs/pii/S0925477320300022>

Kyle, K. du Preez, L. H. (2020). **Mom's taxi – Maternal care in shovel-nosed frogs *Hemisus marmoratus* and *Hemisus guttatus*.** *African Zoology*, 55(1), xxx-xxx.

<https://www.tandfonline.com/doi/abs/10.1080/15627020.2019.1677497>

Lamb, J. Y. Davis, M. P. (2020). **Salamanders and other amphibians are aglow with biofluorescence.** *Scientific Reports* 10, Article number: 2821.

<https://www.nature.com/articles/s41598-020-59528-9.pdf>

Leppin, M. V. Rombough, C. Cousins, C. Bennett, L. Duncan, R. Radin, M. Domen, A. (2020). **Terrestrial movement by the southern torrent salamander (*Rhyacotriton variegatus*).** *Northwestern Naturalist*, 101(1), pp.56-60.

<https://bioone.org/journals/Northwestern-Naturalist/volume-101/issue-1/1051-1733-101.1.56/---Custom-HTML---TERRESTRIAL/10.1898/1051-1733-101.1.56.short>

Li, J.-B. Li, Y.-Y. Shen, Y.-P. Zhu, M. Li, X.-H. Qin, Z.-F. (2020). **2,2',4,4'-tetrabromodipheny ether (BDE-47) disrupts gonadal development of the Africa clawed frog (*Xenopus laevis*).** *Aquatic Toxicology*, Article 105441, In Press, Journal Pre-proof.

<https://www.sciencedirect.com/science/article/abs/pii/S0166445X19309804>

Lukwago, W. Behangana, M. Mwavu, E. N. Hughes, D. F. (2020). **Effects of selective timber harvest on amphibian species diversity in Budongo forest Reserve, Uganda.** *Forest Ecology and Management*, 458, pp.1-7, 117809.

<https://www.sciencedirect.com/science/article/abs/pii/S0378112719320201>

Lundsgaard, N. U. Cramp, R. L. Franklin, C. E. Martin, L. (2020). **Effects of ultraviolet-B radiation on physiology, immune function and survival is dependent on temperature: implications for amphibian declines.** *Conservation Physiology*, 8(1), coaa002.

<https://academic.oup.com/conphys/article/8/1/coaa002/5733242>

Lyu, Z.-T. Dai, K. Y. Li, Y. Wan, H. Liu, Z.-Y. Qi, S. Lin, S.-M. Wang, J. Li, Y.-L. Zeng, Y.-J. Li, P.-P. Pang, H. Wang, Y.-Y. (2020). **Comprehensive approaches reveal three cryptic species of genus Nidirana (Anura, Ranidae) from China.** *ZooKeys* 914, pp.127–159.

<https://zookeys.pensoft.net/article/36604/>

Macklem, C. M. Helton, A. M. Tingley, M. W. Dickson, J. M. Rittenhouse, T. A. G. (2020). **Stream salamander persistence influenced by the interaction between exurban housing age and development.** *Urban Ecosystems*, 23(1), pp.117-132.

<https://link.springer.com/article/10.1007/s11252-019-00883-5>

Madelaire, C. B. Gomes, F. R. Sokolova, I. (2020). **Biomarker-based assessment of the muscle maintenance and energy status of anurans from an extremely seasonal semi-arid environment, the Brazilian Caatinga.** *Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology*, 240, Article 110590.

<https://www.sciencedirect.com/science/article/pii/S109564331930354X>

Malekoutian, M. Sharifi, M. Vaissi, S. (2020). **Mitochondrial DNA sequence analysis reveals multiple Pleistocene glacial refugia for the Yellow-spotted mountain newt, *Neurergus derjugini* (Caudata: Salamandridae) in the mid-Zagros range in Iran and Iraq.** *Ecology & Evolution*, Early View.

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/ece3.6098>

Mendonça, N. A. Moser, C. F. de Oliveira, M. Tozet, A. M. (2020). **Diet of *Ololygon catharinae* (Anura, Hylidae) during the breeding season.** *Herpetology Notes*, 13, pp.89-91.

<https://www.biotaxa.org/hn/article/view/45295>

Mendoza-Henao, A. M. Hernández-Austria, R. López-Velázquez, A. Parra-Olea, G. (2020). **Description of two calls of *Eleutherodactylus rubrimaculatus* (Anura: Eleutherodactylidae) in Chiapas, Mexico.** *Zootaxa*, 4732(4).

<https://www.biotaxa.org/Zootaxa/article/view/zootaxa.4732.4.9>

Mindje, M. Tumushimire, L. Sinsch, U. (2020). **Diversity assessment of anurans in the Mugesera wetland (eastern Rwanda): impact of habitat disturbance and partial recovery.** *Salamandra*, 56(1), pp.27-38.

<http://www.salamandra-journal.com/index.php/home/contents/2020-vol-56>

Mitchell, B. A. Callaghan, C. T. Rowley, J. J. L. (2020). **Continental-scale citizen science data reveal no changes in acoustic responses of a widespread tree frog to an urbanisation gradient.** *Journal of Urban Ecology*, 6(1), juaa002.

<https://academic.oup.com/jue/article/6/1/juaa002/5722291>

Mkonyi, F. J. (2020). **Quantitative description and comparison of the advertisement calls of two species of probreviceps (Anura: Brevicipitidae) from the Uluguru South Mountains, Tanzania.** *Journal of Natural History*, 53(43-44), pp.2711-2722.

<https://www.tandfonline.com/doi/full/10.1080/00222933.2020.1728410>

Muñoz, M. I. Quispe, M. Maliqueo, M. Penna, M. (2020). **Biotic and abiotic sounds affect calling activity but not plasma testosterone levels in male frogs (Batrachyla taeniata) in the field and in captivity.** *Hormones & Behavior* 118, Article 104605.

<https://www.sciencedirect.com/science/article/abs/pii/S0018506X18304720>

O'Donnell, K. M. Fackler, P. L. Johnson, F. A. Bonneau, M. N. Martin, J. Walls, S. C. (2020). **Category count models for adaptive management of metapopulations: Case study of an imperiled salamander.** *Conservation Science & Practice*, e180.

<https://conbio.onlinelibrary.wiley.com/doi/pdf/10.1111/csp2.180>

Oliveira, B. Sheffers, B. Costa, G. (2020). **Decoupled erosion of amphibians' phylogenetic and functional diversity due to extinction.** *Global Ecology and Biogeography*, 29(2), pp.309-319.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/geb.13031>

Oliveira, J. C. F. Pereira-Ribeiro, J. Favalessa, A. Rocha, C. F. D. (2020). **Frog communities from five remnants of sandy coastal plains in Espírito Santo state, southeastern Brazil.** *Journal of Coastal Conservation*, 24(7), Early View.

<https://link.springer.com/article/10.1007/s11852-019-00720-z>

Oyake, N. Sasaki, N. Yamaguchi, A. Fujita, H. Tagami, M. Ikeya, K. Takagi, M. Kobayashi, M. Abe, H. Kishida, O. (2020). **Comparison of susceptibility to a toxic alien toad (*Bufo japonicus formosus*) between predators in its native and invaded ranges.** *Freshwater Biology*, 65(2), pp.240-252.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/fwb.13417>

Palacios-Martínez, J. Caballero-Pérez, J. Espinal-Centeno, A. Marquez-Chavoya, G. Lomelí, H. Salas-Vidal, E. Schnabel, D. Chimal-Monroy, J. Cruz-Ramírez, A. (2020). **Multi-organ transcriptomic landscape of *Ambystoma velasci* metamorphosis.** *BioRxiv*, Preprint.

<https://www.biorxiv.org/content/10.1101/2020.02.06.937896v1.full.pdf>

Pérez-Granados, C. Schuchmann, K.-L. Ganchev, T. Strüssmann, C. Dorado-Rodrigues, T. F. Tissiani, A. S. de O. (2020). **Elucidating the diel and seasonal calling behaviour of *Elachistocleis matogrosso* (Anura: Microhylidae).** *Journal of Natural History*, 53(43-44), pp.2699-2710.

<https://www.tandfonline.com/doi/abs/10.1080/00222933.2020.1728409>

Phillips, J. R. Hewes, A. E. Schwenk, K. (2020). **The mechanics of air-breathing in gray tree frog tadpoles, *Hyla versicolor* LeConte, 1825 (Anura: Hylidae).** *Journal of Experimental Biology*, jeb.219311.

<https://jeb.biologists.org/content/early/2020/02/07/jeb.219311.abstract>

Polo-Cavia, N. Boyero, L. Martín-Beyer, B. Navazo, T. Bosch, J. (2020). **Effects of coexistence and predator experience on antipredatory responses of montane amphibian larvae towards native and introduced salmonids.** *Biological Invasions*, 22(2), pp.379-390.

<https://link.springer.com/article/10.1007/s10530-019-02095-6>

Pyron, R. A. O'Connell, K. A. Lemmon, E. M. Lemmon, A. R. Beamer, D. A. (2020). **Phylogenomic data reveal reticulation and incongruence among mitochondrial candidate species in Dusky Salamanders (*Desmognathus*).** *Molecular Phylogenetics and Evolution*, Article 106751, In Press, Journal Pre-proof.

<https://www.sciencedirect.com/science/article/abs/pii/S1055790320300233>

Raaymakers, C. Stijlemans, B. Martin, C. Zaman, S. Ballet, S. Martel, A. Pasmans, F. Roelants, K. (2020). **A New Family of Diverse Skin Peptides from the Microhylid Frog Genus *Phrynomantis*.** *Molecules*, 25(4), 912, pp.1-18.

<https://www.mdpi.com/1420-3049/25/4/912>

Rahman, M. D. M. Chen, J.-M. Wu, Y.-H. Chen. H.-M. Lwin, Y.-H. Murphy, R. W. Li, G. G. Che, J. (2020). **New country records for three species of frog from Myanmar including two genera (Nasutixalus and Oreolalax).** *Zootaxa*, 4742(3), pp.531-542.

<https://www.mapress.com/j/zt/article/view/zootaxa.4742.3.7>

Ramírez-Jaramillo, S. M. Pozo-Zamora, G. M. (2020). **Notas del comportamiento predatorio e ingestión de Chironius monticola (Serpentes: Colubridae) en el suroccidente del Ecuador.** *Neotropical Biodiversity*, 6(1), pp.36-40.

<https://www.tandfonline.com/doi/pdf/10.1080/23766808.2020.1730548?needAccess=true>

Riaño, C. Ortiz-Ruiz, M. Pinto-Sánchez, N. R. Gómez-Ramírez, E. (2020). **Effect of glyphosate (Roundup Activo®) on liver of tadpoles of the Colombian endemic frog Dendropsophus molitor (Amphibia: Anura).** *Chemosphere*, 126287, In Press, Journal Pre-proof.

<https://www.sciencedirect.com/science/article/pii/S004565352030480X>

Rodríguez-Rodríguez, E. J. Beltrán, J. F. El Mouden, E. H. Slimani, T. Márquez, R. Donaire-Barroso, D. (2020). **Climate change challenges IUCN conservation priorities: a test with western Mediterranean amphibians.** *SN Applied Sciences*, 2:216.

<https://link.springer.com/article/10.1007/s42452-020-2002-2>

Romonova, E. B. Shapovalova, K. V. Ryabinina, E. S. Gelashvili, D. B. (2020). **Leukocytic Indices and Micronucleus in Erythrocytes as Population Markers of the Immune Status of Pelophylax ridibundus (Pallas, 1771) (Amphibia: Ranidae) Living in Various Biotopic Conditions.** *Biology Bulletin*, 46, pp.1230-1238.

<https://link.springer.com/article/10.1134/S1062359019100273>

Rowley, J. J. L. Callaghan, C. T. (2020). **The FrogID dataset: expert-validated occurrence records of Australia's frogs collected by citizen scientists.** *Zootaxa*, 912, pp. 139–151.

<https://zookeys.pensoft.net/article/38253/>

Rutkoski, C. F. Macagnan, N. Folador, A. Skovronski, V. J. do Amaral, A. M. B. Leitemperger, J. Dorneles, M. Hartmann, M. A. Müller, C. Loro, V. L. Hartmann, M. T. (2020). **Morphological and biochemical traits and mortality in Physalaemus gracilis (Anura: Leptodactylidae) tadpoles exposed to the insecticide chlorpyrifos.** *Chemosphere*, Article 126162, In Press, Journal Pre-proof.

<https://www.sciencedirect.com/science/article/pii/S0045653520303556>

Sanders, A. M. Duffus, A. L. J. (2020). **Local adaptation in ranaviruses: are the iridovirus core genes informative?** *Georgia Journal of Science*, 78(1), Article 21.

<https://digitalcommons.gaacademy.org/gjs/vol78/iss1/21>

Schwenk, K. Phillips, J. R. (2020). **Circumventing surface tension: tadpoles suck bubbles to breathe air.** *Proceedings of the Royal Society B*, 287(1921), pp.1-9.

<https://royalsocietypublishing.org/doi/pdf/10.1098/rspb.2019.2704>

Shangpliang, P. W. Hooroo, R. N. K. Dutta, S. K. (2020). **Unique breeding activity and oviposition in Annandale's high-altitude tree frog, Kurixalus naso (Annandale, 1912) in Meghalaya, North East India.** *Current Science* 118(3), pp.467-472.

<https://www.currentscience.ac.in/Volumes/118/03/0467.pdf>

Shen, D. Fang, K. Fan, Y. Shen, J. Yang, J. Cui, J. Tang, Y. Fang, G. (2020). **Sex differences in vocalization are reflected by event-related potential components in the music frog.** *Animal Cognition*, Online ISSN 1435-9456, pp 1–14.

<https://link.springer.com/article/10.1007/s10071-020-01350-x>

Shu, Y. Tang, D. Khan, S. A. He, J. Zhang, H. Sun, L. Wu, H. Lu, L. (2020). **Molecular characterization, expression analysis of myostatin gene and its negative regulation by miR-29b-3p in Chinese concave-eared frogs (*Odorrana tormota*).** *Comparative Biochemistry and Physiology Part B: Biochemistry and Molecular Biology*, 240, Article number 110369.

<https://www.sciencedirect.com/science/article/pii/S1096495919303288>

Silveira, A. L. Ribeiro, L. S. V. B. Dornas, T. T. Fernandes, T. N. (2020). **New records of *Sphaenorhynchus canga* (Amphibia, Anura, Hylidae) in the Quadrilátero Ferrífero in Minas Gerais, Southeastern Brazil.** *Neotropical Biology and Conservation*, 15(1), pp.19–28.

<https://neotropical.pensoft.net/article/48718/>

Skutschas, P. Kolchanov, V. Krasnolutskii, S. Averianov, A. Schellhorn, R. Schultz, J. Martin, T. (2020). **A new small-sized stem salamander from the Middle Jurassic of Western Siberia, Russia.** *PLoS ONE* 15(2): e0228610.

<https://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0228610&type=printable>

Sterner, Z. R. Shewade, L. H. Mertz, K. M. Sturgeon, S. M. Buchholz, D. R. (2020). **Glucocorticoid receptor is required to survive through metamorphosis in the frog *Xenopus tropicalis***. *General and Comparative Endocrinology*, Article 113419, In Press, Journal Pre-proof.

<https://www.sciencedirect.com/science/article/pii/S0016648019306598>

Streicher, J. W. Loader, S. P. Varela-Jaramillo, A. Montoya, P. de Sá, R. O. (2020). **Analysis of ultraconserved elements supports African origins of narrow-mouthed frogs**. *Molecular Phylogenetics and Evolution*, 106771, In Press, Journal Pre-proof.

<https://www.sciencedirect.com/science/article/abs/pii/S1055790320300439>

Su, J. Han, M. Zhu, X. Liao, C. Tu, S. Luo, Z. (2020). **Habitat selection of the Asiatic toad (*Bufo gargarizans*) during hibernation in the Badagongshan National Nature Reserve, central China**. *Salamandra*, 56(1), pp. 16-26.

<http://www.salamandra-journal.com/index.php/home/contents/2020-vol-56>

Suarez, H. N. Duffus, A. L. J. (2020). **Using iridovirus core genes to test known phylogenetic relationships between *Ambystoma tigrinum* virus strains from the Western USA**. *Georgia Journal of Science*, 78(1), Article 38.

<https://digitalcommons.gaacademy.org/gjs/vol78/iss1/38>

Togna, G. D. Howell, L. G. Clulow, J. C. Langhorne, C. J. Marcec-Greaves, R. Calatayu, N. E. (2020). **Evaluating amphibian biobanking and reproduction for captive breeding programs according to the Amphibian Conservation Action Plan objectives**. *Theriogenology*, In Press, Journal Pre-proof.

<https://www.sciencedirect.com/science/article/abs/pii/S0093691X20301321>

Tsentsevitsky, A. N. Zakyrganova, G. F. Petrov, A. M. Kovyazin, I. V. (2020). **Breakdown of phospholipids and the elevated nitric oxide are involved in M3 muscarinic regulation of acetylcholine secretion in the frog motor synapse**. *Biochemical and Biophysical Research Communications*, In Press, Corrected Proof.

<https://www.sciencedirect.com/science/article/abs/pii/S0006291X20301893>

Twomey, E. Delia, J. Fashé, M. Venegas, P. J. Schulte, L. M. (2020). **A new distribution record and updated conservation assessment of the endangered Marañón poison frog, *Excidobates mysteriosus* (Amphibia: Dendrobatidae)**. *Salamandra*, 56(1), pp. 71-74.

<http://www.salamandra-journal.com/index.php/home/contents/2020-vol-56>

Van Drunen, S. G. Linton, J. E. Bogart, J. P. McCarter, J. Fotherby, H. Sandilands, A. Norris, D. R. (2020). **Estimating critical habitat based on year-round movements of the endangered Jefferson Salamander (*Ambystoma jeffersonianum*) and their unisexual dependents.** *Canadian Journal of Zoology*, 98(2), pp.117-126.

<https://www.nrcresearchpress.com/doi/pdf/10.1139/cjz-2019-0228>

Wake, M. H. (2020). **Frogs give new insights into vertebrate novelties.** *PNAS*, Latest Articles, 1922922117.

<https://www.pnas.org/content/pnas/early/2020/02/04/1922922117.full.pdf>

Wang, Q. Xia, R. Ji, J. J. Zhu, Q. Li, X. P. Ma, Y. Xu, Y. C. (2020). **Diversity of Antimicrobial Peptides in Three Partially Sympatric Frog Species in Northeast Asia and Implications for Evolution.** *Genes*, 11(2), 158.

<https://www.mdpi.com/2073-4425/11/2/158>

Wilson, A. W. Duffus, A. L. J. (2020). **Iridovirus core genes as indicators of local variation: a test case with the ranivirus, *Ambystoma tigrinum* virus.** *Georgia Journal of Science*, 78(1), Article 18.

<https://digitalcommons.gaacademy.org/gjs/vol78/iss1/18>

Witzel, N. A. Young, D. E. Byl, T. D. Hogan, B. Sutton, W. B. (2020). **Limited impacts of acid runoff from pyrite-bearing rock formations on stream salamanders in middle Tennessee headwater streams.** *The Tennessee Journal of Herpetology*, 20, pp.15-25.

https://www.researchgate.net/profile/Lee_Barton/publication/338921549_CHELYDRA_SERPENTINA_Common_Snapping_Turtle_REPRODUCTION/links/5e32f662a6fdccd96578ddbc/CHELYDRA-SERPENTINA-Common-Snapping-Turtle-REPRODUCTION.pdf#page=15

Wright, M. M. Duffus, A. L. J. (2020). **Looking for local adaptations: are a subset of the iridovirus core genes suitable for reconstructing phylogenetic relationships in *Ambystoma tigrinum* virus isolates from the Southwestern USA?** *Georgia Journal of Science*, 78(1), Article 22.

<https://digitalcommons.gaacademy.org/gjs/vol78/iss1/22>

Xu, L. L. Chen, H. Zhang, M. Zhu, W. Chang, Q. Lu, G. Chen, Y. Jiang, J. Zhu, L. (2020). **Changes in the community structure of the symbiotic microbes of wild amphibians from the eastern edge of the Tibetan Plateau.** *Microbiology Open*, DOI: 10.1002/mbo3.1004.

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/mbo3.1004>

Yang, Y. Song, X. Chen, A. Wang, H. Chai, L. (2020). **Exposure to copper altered the intestinal microbiota in Chinese brown frog (*Rana chensinensis*)**. *Environmental Science and Pollution Research*.

<https://link.springer.com/article/10.1007/s11356-020-07856-8>

Yu, Y. Hu, Y. Zhang, Q. Zheng, R. Shen, B. Kong, S. Li, K. (2020). **Female Preferences for Call Properties of Giant Spiny Frog (*Quasipaa spinosa*)**. *Pakistan Journal of Zoology* 52(3), pp.825-834.

<http://researcherslinks.com/current-issues/Female-Preferences-for-Call-Properties/20/1/2716/html>

Zeng, Z. Liang, D. Li, J. Lyu, Z. Wang, Y. Zhang, P. (2020). **Phylogenetic relationships of the Chinese torrent frogs (Ranidae: Amolops) revealed by phylogenomic analyses of AFLP-Capture data**. *Molecular Phylogenetics and Evolution*, Article 106753, In Press, Journal Pre-proof.

<https://www.sciencedirect.com/science/article/abs/pii/S1055790320300257>

Zhang, D.-R. Hui, H. Yu, Q.-H. Song, X.-Q. Liu, S. Yuan, S.-Q. Xiao, H. Rao, D.-Q. (2020). **Shared response to changes in drainage basin: Phylogeography of the Yunnan small narrow-mouthed frog, *Glyphoglossus yunnanensis* (Anura: Microhylidae)**. *Ecology & Evolution*, Early View.

<https://onlinelibrary.wiley.com/doi/full/10.1002/ece3.6011>

Zhang, P. Zeng, X. Xia, Y. Zheng, Y. (2020). **The complete mitochondrial genome of *Batrachuperus* sp. 2 (Caudata: Hynobiidae)**. *Mitochondrial DNA Part B*, 5(1), pp.1069-1070.

<https://www.tandfonline.com/doi/pdf/10.1080/23802359.2020.1721363?needAccess=true>

Zhang, Z. Mammola, S. Liang, Z. Capinha, C. Wei, Q. Wu, Y. Zhou, J. Wang, C. (2020). **Future climate change will severely reduce habitat suitability of the Critically Endangered Chinese giant salamander**. *Freshwater Biology*, Early View.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/fwb.13483>

Zipkin, E. F. DiRenzo, G. V. Ray, J. M. Rossman, S. Lips, K. R. (2020). **Tropical snake diversity collapses after widespread amphibian loss**. *Science*, 367(6479), pp.814-816.

<https://science.sciencemag.org/content/367/6479/814>