



CHRONOLOGICAL RECORD OF HBS SCIENTIFIC PAPERS, REPORTS, & BOOKS, 2000 – 2019

2019 [through October]

Gade, M. R. and W. E. Peterman. 2019. Multiple environmental gradients influence the distribution and abundance of a key forest-health indicator species in the Southern Appalachian Mountains, USA. *Landscape Ecology* 34 (3):569-582; 10.1007/s10980-019-00792-0.

Gade, M. R., P. R. Gould, and W. E. Peterman. 2019. Habitat-dependent responses of terrestrial salamanders to wildfire in the short-term. *Forest Ecology and Management* 449: 117479.

Lendemmer, J. C. and J. L. Allen. 2019. *Hypotrachyna oprah* (Parmeliaceae, Lichenized Ascomycota), a new foliose lichen with lichexanthone from southeastern North America. *Castanea* 84(1): 24–32.

Miniat, C. F., P. P. Clinton, and L. K. Everage. 2019. The effects of off-highway vehicle trails and use on stream water quality in the North Fork of the Broad River. *Transactions of the American Society of Agricultural and Biological Engineers* 62(2): 1–10. doi: doi.org/10.13031/trans.13098.

Riddell, E. A., E. Y. Roback, C. E. Wells, K. R. Zamudio, and M. W. Sears. 2019. Thermal cues drive plasticity of desiccation resistance in montane salamanders with implications for climate change. *Nature Communications* 10: 4091.

2018

Costa, J. T. 2018. The other insect societies: Overview and new directions. *Current Opinion in Insect Science*. Special Issue on Social Evolution. 28: 40–49.

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Special Issue on Social Evolution. 28: 73–80.

Milne, M. A. and D. A. Waller. 2018. Carnivorous pitcher plants eat a diet of certain spiders, regardless of what's on the menu. *Ecosphere* 9(11): 1–10 [Article e02504]

Riddell, E. A., J. P. Odom, J. D. Damm, and M. W. Sears. 2018. Plasticity reveals hidden resistance to extinction under climate change in the global hotspot of salamander diversity. *Science Advances* 4: eaar5471.

Riddell, E. A., J. McPhail, J. D. Damm, and M. W. Sears. 2018. Trade-offs between water loss and gas exchange influence habitat suitability of a woodland salamander. *Functional Ecology* 2018: 1–10. DOI: 10.1111/1365-2435.13030.

Veach, A. M., C. E. Stokes, J. Knoepp, A. Jumpponen, & R. Baird. 2018. Fungal communities and functional guilds shift along an elevational gradient in the southern Appalachian mountains. *Microbial Ecology* 76: 156–168.

Viviani, V. R., D. T. Amaral, V. R. Bevilaquab, and R. L. Falaschi. 2018. *Orfelina*-type luciferin and its associated storage protein in the non-luminescent cave worm *Neoditomyia* sp. (Diptera: Keroplatidae) from the Atlantic rainforest: Biological and evolutionary implications. *Photochemical and Photobiological Sciences* 17: 1282–1288.

2017

**** Papers stemming from the August 2016
Special Highlands Conference on Plethodontid Salamander Biology! ****

Herpetological Review, volume 48(3) 2017

[https://ssarherps.org/herpetological-review-pdfs/Herpetological History](https://ssarherps.org/herpetological-review-pdfs/Herpetological%20History)

Lungless in Highlands: A Brief History of Research and Education on Plethodontid Salamanders at Highlands Biological Station: Richard C. Bruce (pp. 576–581)

Herpetologica, volume 73(3) 2017

<http://www.hljournals.org.proxy195.nclive.org/toc/herp/73/3?code=herl-site>



Updated October 2019

Introduction to the Special Highlands Conference on Plethodontid Salamander Biology: Sarah K. Woodley, James T. Costa and Richard C. Bruce (pp. 177–179)

Eastern Red-backed Salamanders Regulate Top-Down Effects in a Temperate Forest-Floor Community: Cari-Ann M. Hickerson, Carl D. Anthony and B. Michael Walton (pp. 180–189)

The Evolution of Courtship Behavior in Plethodontid Salamanders: Contrasting Patterns of Stasis and Diversification: Stevan J. Arnold, Karen M. Kiemnec-Tyburczy and Lynne D. Houck (pp. 190–205)

Gene Duplication, Co-option, Structural Evolution, and Phenotypic Tango in the Courtship Pheromones of Plethodontid Salamanders: Damien B. Wilburn, Stevan J. Arnold, Lynne D. Houck, Pamela W. Feldhoff and Richard C. Feldhoff (pp. 206–219)

What Drives Variation in Plethodontid Salamander Species Richness over Space and Time?: Kenneth H. Kozak (pp. 220–228)

The Geography of Speciation in Neotropical Salamanders: Sean M. Rovito (pp. 229–241)

Persistent Plethodontid Themes: Species, Phylogenies, and Biogeography: David B. Wake (pp. 242–251)

How Metamorphosis Is Different in Plethodontids: Larval Life History Perspectives on Life-Cycle Evolution: Christopher K. Beachy, Travis J. Ryan and Ronald M. Bonett (pp. 252–258)

Life in the Slow Lane: Stress Responses in Plethodontid Salamanders: Sarah K. Woodley (pp. 259–268)

Brannon, M. P., J. K. H. Brannon, and R. E. Baird. 2017. Educational applications of small mammal skeletal remains found in discarded bottles. *Southeastern Naturalist* 16(sp10): 4–10.

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- Wilburn, D. B., K. A. Doty, A. J. Chouinard, S. L. Eddy, S. K. Woodley, L. D. Houck, and R. C. Feldhoff. 2017. Olfactory effects of a hypervariable multicomponent pheromone in the red-legged salamander, *Plethodon shermani*. *PLoS ONE* 12(3): e0174370.
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- Doty, K. A., D. B. Wilburn, K. E. Bowen, P. W. Feldhoff, and R. C. Feldhoff. 2016. Co-option and evolution of non-olfactory proteinaceous pheromones in a terrestrial lungless salamander. *Journal of Proteomics*, special issue: “omics” in evolutionary ecology. 135: 101-111. doi:10.1016/j.jprot.2015.09.019
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