Diana K Hews

List of Publications by Year
in descending order

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46 papers	1,836 citations	257450 24 h-index	254184 43 g-index
46 all docs	46 docs citations	46 times ranked	1286 citing authors

#	Article	IF	Citations
1	Alarm response in larval western toads, Bufo boreas: release of larval chemicals by a natural predator and its effect on predator capture efficiency. Animal Behaviour, 1988, 36, 125-133.	1.9	182
2	Early Exposure to Androgens Affects Adult Expression of Alternative Male Types in Tree Lizards. Hormones and Behavior, 1994, 28, 96-115.	2.1	150
3	Sexual selection on alleles that determine body size in the swordtail Xiphophorus nigrensis. Behavioral Ecology and Sociobiology, 1990, 26, 231-237.	1.4	136
4	Fighting from the Right Side of the Brain: Left Visual Field Preference during Aggression in Free-Ranging Male Tree Lizards <i>(Urosaurus ornatus)</i>. Brain, Behavior and Evolution, 2001, 58, 356-361.	1.7	98
5	Aggression in females is also lateralized: left-eye bias during aggressive courtship rejection in lizards. Animal Behaviour, 2004, 68, 1201-1207.	1.9	96
6	Positive Relationship between Abdominal Coloration and Dermal Melanin Density in Phrynosomatid Lizards. Copeia, 2003, 2003, 858-864.	1.3	85
7	Acute corticosterone elevation enhances antipredator behaviors in male tree lizard morphs. Hormones and Behavior, 2009, 56, 51-57.	2.1	84
8	Influence of Androgens on Differentiation of Secondary Sex Characters in Tree Lizards, Urosaurus ornatus. General and Comparative Endocrinology, 1995, 97, 86-102.	1.8	80
9	An investigation of the alarm response in Bufo boreas and Rana cascadae tadpoles. Behavioral and Neural Biology, 1985, 43, 47-57.	2.2	76
10	Food resources affect female distribution and male mating opportunities in the iguanian lizard Uta palmeri. Animal Behaviour, 1993, 46, 279-291.	1.9	70
11	Stress and Aversive Learning in a Wild Vertebrate: The Role of Corticosterone in Mediating Escape from a Novel Stressor. American Naturalist, 2010, 175, 50-60.	2.1	67
12	Steroid correlates of multiple color traits in the spiny lizard, Sceloporus pyrocephalus. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2007, 177, 641-654.	1.5	57
13	Environmental and endocrine correlates of tactic switching by nonterritorial male tree lizards (Urosaurus ornatus). Hormones and Behavior, 2003, 43, 83-92.	2.1	53
14	Alternative antipredator tactics in tree lizard morphs: hormonal and behavioural responses to a predator encounter. Animal Behaviour, 2009, 77, 395-401.	1.9	49
15	Pollination, breeding system, and genetic structure in two sympatric Delphinium (Ranunculaceae) species. American Journal of Botany, 2001, 88, 1623-1633.	1.7	47
16	Population frequencies of alternative male phenotypes in tree lizards: geographic variation and common-garden rearing studies. Behavioral Ecology and Sociobiology, 1997, 41, 371-380.	1.4	40
17	Signals and behavioural responses are not coupled in males: aggression affected by replacement of an evolutionarily lost colour signal. Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 755-758.	2.6	37
18	Hormone levels in territorial and non-territorial male collared lizards. Physiology and Behavior, 2007, 92, 755-763.	2.1	37

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19	Information content is more important than sensory system or physical distance in guiding the long-term evolutionary relationships between signaling modalities in Sceloporus lizards. Behavioral Ecology and Sociobiology, 2013, 67, 1513-1522.	1.4	32
20	Field presentation of male secretions alters social display in Sceloporus virgatus but not S. undulatus lizards. Behavioral Ecology and Sociobiology, 2011, 65, 1403-1410.	1.4	30
21	Evolving from static to dynamic signals: evolutionary compensation between two communicative signals. Animal Behaviour, 2015, 102, 223-229.	1.9	29
22	Negative Association Between Conspicuous Visual Display and Chemosensory Behavior in Two Phrynosomatid Lizards. Ethology, 2001, 107, 839-850.	1.1	28
23	Sex and species differences in plasma testosterone and in counts of androgen receptor-positive cells in key brain regions of Sceloporus lizard species that differ in aggression. General and Comparative Endocrinology, 2012, 176, 493-499.	1.8	27
24	Evolutionary Interactions Between Visual and Chemical Signals: Chemosignals Compensate for the Loss of a Visual Signal in Male Sceloporus Lizards. Journal of Chemical Ecology, 2016, 42, 1164-1174.	1.8	26
25	Including Fossils in Phylogenetic Climate Reconstructions: A Deep Time Perspective on the Climatic Niche Evolution and Diversification of Spiny Lizards (Sceloporus). American Naturalist, 2016, 188, 133-148.	2.1	23
26	Volatile fatty acid and aldehyde abundances evolve with behavior and habitat temperature in Sceloporus lizards. Behavioral Ecology, 2020, 31, 978-991.	2.2	21
27	Shaping communicative colour signals over evolutionary time. Royal Society Open Science, 2016, 3, 160728.	2.4	19
28	The Evolutionary Decoupling of Behavioral and Color Cues in a Multicomponent Signal in Two Sceloporus Lizards. Ethology, 2010, 116, 509-516.	1.1	18
29	Colonization of novel White Sands habitat is associated with changes in lizard anti-predator behaviour. Biological Journal of the Linnean Society, 2011, 103, 657-667.	1.6	17
30	Phenotypic correlates of melanization in two Sceloporus occidentalis (Phrynosomatidae) populations: Behavior, androgens, stress reactivity, and ectoparasites. Physiology and Behavior, 2016, 163, 70-80.	2.1	17
31	The breeding season duration hypothesis: acute handling stress and total plasma concentrations of corticosterone and androgens in male and female striped plateau lizards (Sceloporus virgatus). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2013, 183, 933-946.	1.5	15
32	Losing the trait without losing the signal: Evolutionary shifts in communicative colour signalling. Journal of Evolutionary Biology, 2019, 32, 320-330.	1.7	14
33	Trade-offs between visual and chemical behavioral responses. Behavioral Ecology and Sociobiology, 2018, 72, 1.	1.4	11
34	Composition and compound proportions affect the response to complex chemical signals in a spiny lizard. Behavioral Ecology and Sociobiology, 2021, 75, 1.	1.4	11
35	Structural Identification, Synthesis and Biological Activity of Two Volatile Cyclic Dipeptides in a Terrestrial Vertebrate. Scientific Reports, 2020, 10, 4303.	3.3	10
36	Overall Predator Feeding Rates and Relative Susceptibility of Large and Small Tadpoles to Fish Predation Depend on Microhabitat: A Laboratory Study. Journal of Herpetology, 1995, 29, 142.	0.5	7

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37	Populations of the Lizard, Sceloporus occidentalis, that Differ in Melanization have Different Rates of Wound Healing. Journal of Experimental Zoology, 2016, 325, 491-500.	1.2	6
38	Melanization, Î±-melanocyte stimulating hormone and steroid hormones in male western fence lizards from nine populations. General and Comparative Endocrinology, 2020, 285, 113287.	1.8	6
39	Steroid hormones, ectoparasites, and color: Sex, species, and seasonal differences in Sceloporus lizards. General and Comparative Endocrinology, 2021, 304, 113717.	1.8	6
40	Detection and Response to Conspecific Chemical Cues by Ornate Tree Lizards (Urosaurus ornatus). Journal of Herpetology, 2005, 39, 496-499.	0.5	5
41	Correlates of melanization in multiple highâ€•and lowâ€elevation populations of the lizard, Sceloporus occidentalis: Behavior, hormones, and parasites. Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2017, 327, 481-492.	1.9	5
42	Evolutionary loss of a signalling colour is linked to increased response to conspecific chemicals. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210256.	2.6	4
43	Information out of the blue: phenotypic correlates of abdominal color patches in Sceloporus lizards. Zoology, 2021, 149, 125961.	1.2	3
44	Differences in cautiousness between mainland and island Podarcis siculus populations are paralleled by differences in brain noradrenaline/adrenaline concentrations. Physiology and Behavior, 2020, 224, 113072.	2.1	2
45	Brain transcriptomic responses of Yarrow's spiny lizard, Sceloporus jarrovii , to conspecific visual or chemical signals. Genes, Brain and Behavior, 2021, 20, e12753.	2.2	0
46	The recombination landscapes of spiny lizards (genus Sceloporus). G3: Genes, Genomes, Genetics, 2022, 12, .	1.8	0