Justin G Boyles

List of Publications by Year
in descending order

51 papers	3,411 citations	304368 22 h-index	189595 50 g-index
51 all docs	51 docs citations	51 times ranked	2978 citing authors

#	Article	IF	Citations
1	Behavioural microclimate selection and physiological responses to environmental conditions in a hibernating bat. Canadian Journal of Zoology, 2022, 100, 233-238.	0.4	3
2	Experimental inoculation trial to determine the effects of temperature and humidity on White-nose Syndrome in hibernating bats. Scientific Reports, 2022, 12, 971.	1.6	4
3	Plant pathogens provide clues to the potential origin of bat white-nose syndrome <i>Pseudogymnoascus destructans</i>. Virulence, 2022, 13, 1020-1031.	1.8	6
4	High Body Temperature is an Unlikely Cause of High Viral Tolerance in Bats. Journal of Wildlife Diseases, 2021, 57, 238-241.	0.3	2
5	Temperature alone is insufficient to understand hibernation energetics. Journal of Experimental Biology, 2021, 224, .	0.8	11
6	Heterothermy as a mechanism to offset energetic costs of environmental and homeostatic perturbations. Scientific Reports, 2021, 11, 19038.	1.6	3
7	The Winter Worries of Bats: Past and Present Perspectives on Winter Habitat and Management of Cave Hibernating Bats. Fascinating Life Sciences, 2021, , 209-221.	0.5	4
8	Body Temperature Frequency Distributions: A Tool for Assessing Thermal Performance in Endotherms?. Frontiers in Physiology, 2021, 12, 760797.	1.3	2
9	Energetics suggest cause for even further conservation concern for Temminckâ€™s ground pangolin. Animal Conservation, 2020, 23, 245-249.	1.5	4
10	Optimal hibernation theory. Mammal Review, 2020, 50, 91-100.	2.2	64
11	An oversimplification of physiological principles leads to flawed macroecological analyses. Ecology and Evolution, 2019, 9, 12020-12025.	0.8	10
12	An experimental test of the allotonic frequency hypothesis to isolate the effects of light pollution on bat prey selection. Oecologia, 2019, 190, 367-374.	0.9	14
13	Testing the â€œFasting While Foragingâ€• Hypothesis: Effects of Recent Feeding on Plasma Metabolite Concentrations in Little Brown Bats (<i>Myotis lucifugus</i>). Physiological and Biochemical Zoology, 2019, 92, 373-380.	0.6	1
14	A Brief Introduction to Methods for Describing Body Temperature in Endotherms. Physiological and Biochemical Zoology, 2019, 92, 365-372.	0.6	8
15	Community Physiological Ecology. Trends in Ecology and Evolution, 2019, 34, 510-518.	4.2	14
16	Illuminating the physiological implications of artificial light on an insectivorous bat community. Oecologia, 2019, 189, 69-77.	0.9	16
17	Illuminating prey selection in an insectivorous bat community exposed to artificial light at night. Journal of Applied Ecology, 2018, 55, 705-713.	1.9	44
18	The energetics of mosquito feeding by insectivorous bats. Canadian Journal of Zoology, 2018, 96, 373-377.	0.4	9

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19	Testing traditional assumptions about regional migration in bats. Mammal Research, 2018, 63, 115-123.	0.6	13
20	Benefits of knowing the costs of disturbance to hibernating bats. Wildlife Society Bulletin, 2017, 41, 388-392.	1.6	15
21	Torpor Patterns in Desert Hedgehogs (<i>Paraechinus aethiopicus</i>) Represent Another New Point along a Thermoregulatory Continuum. Physiological and Biochemical Zoology, 2017, 90, 445-452.	0.6	11
22	Long-term microclimate measurements add further evidence that there is no â€œoptimalâ€• temperature for bat hibernation. Mammalian Biology, 2017, 86, 9-16.	0.8	23
23	Exogenous stress hormones alter energetic and nutrient costs of development and metamorphosis. Journal of Experimental Biology, 2017, 220, 3391-3397.	0.8	22
24	Physiological and behavioral adaptations in bats living at high latitudes. Physiology and Behavior, 2016, 165, 322-327.	1.0	25
25	Stacking the odds: light pollution may shift the balance in an ancient predatorâ€“prey arms race. Journal of Applied Ecology, 2015, 52, 522-531.	1.9	115
26	Interruption to cutaneous gas exchange is not a likely mechanism of WNS-associated death in bats. Journal of Experimental Biology, 2015, 218, 1986-9.	0.8	5
27	Land cover influences dietary specialization of insectivorous bats globally. Mammal Research, 2015, 60, 343-351.	0.6	5
28	Bats initiate vital agroecological interactions in corn. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12438-12443.	3.3	173
29	A global heterothermic continuum in mammals. Global Ecology and Biogeography, 2013, 22, 1029-1039.	2.7	88
30	A novel framework for predicting the use of facultative heterothermy by endotherms. Journal of Theoretical Biology, 2013, 336, 242-245.	0.8	8
31	Variation in body temperature is related to ambient temperature but not experimental manipulation of insulation in two small endotherms with different thermoregulatory patterns. Journal of Zoology, 2012, 287, 224-232.	0.8	9
32	Temperature-Dependent Growth of Geomyces destructans, the Fungus That Causes Bat White-Nose Syndrome. PLoS ONE, 2012, 7, e46280.	1.1	218
33	Heterothermy in two moleâ€rat species subjected to interacting thermoregulatory challenges. Journal of Experimental Zoology, 2012, 317, 73-82.	1.2	22
34	Body temperature patterns in two syntopic elephant shrew species during winter. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2012, 161, 89-94.	0.8	15
35	A New Comparative Metric for Estimating Heterothermy in Endotherms. Physiological and Biochemical Zoology, 2011, 84, 115-123.	0.6	85
36	Experimental infection of bats with Geomyces destructans causes white-nose syndrome. Nature, 2011, 480, 376-378.	13.7	413

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37	Economic Importance of Bats in Agriculture. Science, 2011, 332, 41-42.	6.0	599
38	Adaptive Thermoregulation in Endotherms May Alter Responses to Climate Change. Integrative and Comparative Biology, 2011, 51, 676-690.	0.9	196
39	Does use of the torpor cut-off method to analyze variation in body temperature cause more problems than it solves?. Journal of Thermal Biology, 2011, 36, 373-375.	1.1	31
40	Body temperature and body mass of hibernating little brown bats Myotis lucifugus in hibernacula affected by white-nose syndrome. Acta Theriologica, 2011, 56, 123-127.	1.1	22
41	Concerns About Extrapolating Right Off the Batâ€"Response. Science, 2011, 333, 287-288.	6.0	0
42	Evaporative Water Loss Is a Plausible Explanation for Mortality of Bats from White-Nose Syndrome. Integrative and Comparative Biology, 2011, 51, 364-373.	0.9	110
43	Energy conservation in hibernating endotherms: Why â€œsuboptimalâ€• temperatures are optimal. Ecological Modelling, 2010, 221, 1644-1647.	1.2	34
44	Wing pathology of white-nose syndrome in bats suggests life-threatening disruption of physiology. BMC Biology, 2010, 8, 135.	1.7	232
45	The evolution of thermal physiology in endotherms. Frontiers in Bioscience - Elite, 2010, E2, 861-881.	0.9	171
46	Could localized warm areas inside cold caves reduce mortality of hibernating bats affected by whiteâ€nose syndrome?. Frontiers in Ecology and the Environment, 2010, 8, 92-98.	1.9	95
47	Modeling Survival Rates of Hibernating Mammals with Individual-Based Models of Energy Expenditure. Journal of Mammalogy, 2009, 90, 9-16.	0.6	67
48	Thermal benefits of clustering during hibernation: a field test of competing hypotheses on <i>Myotis sodalis</i>. Functional Ecology, 2008, 22, 632-636.	1.7	80
49	Energy availability influences microclimate selection of hibernating bats. Journal of Experimental Biology, 2007, 210, 4345-4350.	0.8	136
50	The Perils of Picky Eating: Dietary Breadth Is Related to Extinction Risk in Insectivorous Bats. PLoS ONE, 2007, 2, e672.	1.1	83
51	Activity following arousal in winter in North American vespertilionid bats. Mammal Review, 2006, 36, 267-280.	2.2	71