Alex Gunderson

List of Publications by Year
in descending order

28 papers	1,880 citations	623734 14 h-index	526287 27 g-index
29 all docs	29 docs citations	29 times ranked	2446 citing authors

#	Article	IF	Citations
1	Plasticity in thermal tolerance has limited potential to buffer ectotherms from global warming. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150401.	2.6	531
2	Multiple Stressors in a Changing World: The Need for an Improved Perspective on Physiological Responses to the Dynamic Marine Environment. Annual Review of Marine Science, 2016, 8, 357-378.	11.6	464
3	Rapid Change in the Thermal Tolerance of a Tropical Lizard. American Naturalist, 2012, 180, 815-822.	2.1	101
4	Thermal adaptation revisited: How conserved are thermal traits of reptiles and amphibians?. Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2021, 335, 173-194.	1.9	98
5	Biological Impacts of Thermal Extremes: Mechanisms and Costs of Functional Responses Matter. Integrative and Comparative Biology, 2016, 56, 73-84.	2.0	95
6	Geographic variation in vulnerability to climate warming in a tropical Caribbean lizard. Functional Ecology, 2012, 26, 783-793.	3.6	90
7	A conceptual framework for understanding thermal constraints on ectotherm activity with implications for predicting responses to global change. Ecology Letters, 2016, 19, 111-120.	6.4	81
8	Estimating the benefits of plasticity in ectotherm heat tolerance under natural thermal variability. Functional Ecology, 2017, 31, 1529-1539.	3.6	75
9	Patterns of Thermal Constraint on Ectotherm Activity. American Naturalist, 2015, 185, 653-664.	2.1	65
10	The Lizard Gut Microbiome Changes with Temperature and Is Associated with Heat Tolerance. Applied and Environmental Microbiology, 2020, 86, .	3.1	56
11	Thermal niche evolution across replicatedAnolislizard adaptive radiations. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172241.	2.6	38
12	Egg incubation temperature does not influence adult heat tolerance in the lizard Anolis sagrei. Biology Letters, 2020, 16, 20190716.	2.3	26
13	Tests of the contribution of acclimation to geographic variation in water loss rates of the West Indian lizard Anolis cristatellus. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2011, 181, 965-972.	1.5	25
14	Indirect Effects of Global Change: From Physiological and Behavioral Mechanisms to Ecological Consequences. Integrative and Comparative Biology, 2017, 57, 48-54.	2.0	19
15	Heat hardening in a pair of Anolis lizards: constraints, dynamics and ecological consequences. Journal of Experimental Biology, 2021, 224, .	1.7	16
16	Species as Stressors: Heterospecific Interactions and the Cellular Stress Response under Global Change. Integrative and Comparative Biology, 2017, 57, 90-102.	2.0	15
17	Competing native and invasive Anolis lizards exhibit thermal preference plasticity in opposite directions. Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2021, 335, 118-125.	1.9	12
18	Cultureâ€enriched community profiling improves resolution of the vertebrate gut microbiota. Molecular Ecology Resources, 2022, 22, 122-136.	4.8	12

#	Article	IF	Citations
19	Visual â€œplaybackâ€•of colorful signals in the field supports sensory drive for signal detectability. Environmental Epigenetics, 2018, 64, 493-498.	1.8	10
20	Hot Rocks and Not-So-Hot Rocks on the Seashore: Patterns and Body-Size Dependent Consequences of Microclimatic Variation in Intertidal Zone Boulder Habitat. Integrative Organismal Biology, 2019, 1, obz024.	1.8	9
21	Invasive vegetation affects amphibian skin microbiota and body condition. PeerJ, 2020, 8, e8549.	2.0	9
22	The Physiological and Evolutionary Ecology of Sperm Thermal Performance. Frontiers in Physiology, 2022, 13, 754830.	2.8	8
23	Best practices for building and curating databases for comparative analyses. Journal of Experimental Biology, 2022, 225, .	1.7	8
24	Thermal Costs and Benefits of Replicated Color Evolution in the White Sands Desert Lizard Community. American Naturalist, 2022, 199, 666-678.	2.1	7
25	Testing for genetic assimilation with phylogenetic comparative analysis: Conceptual, methodological, and statistical considerations. Evolution; International Journal of Organic Evolution, 2022, 76, 1942-1952.	2.3	6
26	An affinity for biochemical adaptation to temperature. Journal of Experimental Biology, 2014, 217, 4273-4274.	1.7	3
27	FE Spotlight: Sex, heat and phenotypic plasticity. Functional Ecology, 2021, 35, 2618-2620.	3.6	1
28	Interactions Between Temperature Variability and Reproductive Physiology Across Traits in an Intertidal Crab. Frontiers in Physiology, 2022, 13, 796125.	2.8	0