

Maren N Vitousek

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

2,129
citations

218381

26
h-index

276539

41
g-index

74
all docs

74
docs citations

74
times ranked

1744
citing authors

#	ARTICLE	IF	CITATIONS
1	Endocrine Flexibility: Optimizing Phenotypes in a Dynamic World?. Trends in Ecology and Evolution, 2016, 31, 476-488.	4.2	149
2	Corticosterone suppresses immune activity in territorial Galapagos marine iguanas during reproduction. Hormones and Behavior, 2005, 47, 419-429.	1.0	104
3	Stress and success: Individual differences in the glucocorticoid stress response predict behavior and reproductive success under high predation risk. Hormones and Behavior, 2014, 66, 812-819.	1.0	92
4	The repeatability of glucocorticoids: A review and meta-analysis. General and Comparative Endocrinology, 2018, 260, 136-145.	0.8	92
5	Birds advancing lay dates with warming springs face greater risk of chick mortality. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25590-25594.	3.3	86
6	Heterospecific alarm call recognition in a non-vocal reptile. Biology Letters, 2007, 3, 632-634.	1.0	84
7	An experimental analysis of the heritability of variation in glucocorticoid concentrations in a wild avian population. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141302.	1.2	80
8	What Is Stress? A Systems Perspective. Integrative and Comparative Biology, 2018, 58, 1019-1032.	0.9	70
9	Understanding Context Dependence in Glucocorticoid-Fitness Relationships: The Role of the Nature of the Challenge, the Intensity and Frequency of Stressors, and Life History. Integrative and Comparative Biology, 2018, 58, 777-789.	0.9	68
10	Hormones and Fitness: Evidence for Trade-Offs in Glucocorticoid Regulation Across Contexts. Frontiers in Ecology and Evolution, 2018, 6, .	1.1	66
11	Macroevolutionary Patterning in Glucocorticoids Suggests Different Selective Pressures Shape Baseline and Stress-Induced Levels. American Naturalist, 2019, 193, 866-880.	1.0	64
12	Heritable variation in circulating glucocorticoids and endocrine flexibility in a free-living songbird. Journal of Evolutionary Biology, 2017, 30, 1724-1735.	0.8	58
13	On again, off again: Acute stress response and negative feedback together predict resilience to experimental challenges. Functional Ecology, 2019, 33, 619-628.	1.7	58
14	Baseline and stress-induced corticosterone levels across birds and reptiles do not reflect urbanization levels. , 2020, 8, coz110.		57
15	Dynamic modulation of sociality and aggression: an examination of plasticity within endocrine and neuroendocrine systems. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160243.	1.8	51
16	The lingering impact of stress: brief acute glucocorticoid exposure has sustained, dose-dependent effects on reproduction. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180722.	1.2	46
17	Does variation in glucocorticoid concentrations predict fitness? A phylogenetic meta-analysis. General and Comparative Endocrinology, 2021, 300, 113611.	0.8	45
18	Effects of experimental chronic traffic noise exposure on adult and nestling corticosterone levels, and nestling body condition in a free-living bird. Hormones and Behavior, 2018, 106, 19-27.	1.0	44

#	ARTICLE	IF	CITATIONS
19	Caloric restriction for longevity: II?The systematic neglect of behavioural and psychological outcomes in animal research. <i>European Eating Disorders Review</i> , 2004, 12, 338-360.	2.3	43
20	An integrative view of the signaling phenotype: Dynamic links between signals, physiology, behavior and social context. <i>Environmental Epigenetics</i> , 2014, 60, 739-754.	0.9	42
21	HormoneBase, a population-level database of steroid hormone levels across vertebrates. <i>Scientific Data</i> , 2018, 5, 180097.	2.4	42
22	Efficacy of negative feedback in the HPA axis predicts recovery from acute challenges. <i>Biology Letters</i> , 2018, 14, 20180131.	1.0	37
23	Female plumage colour influences seasonal oxidative damage and testosterone profiles in a songbird. <i>Biology Letters</i> , 2013, 9, 20130539.	1.0	36
24	Signaling stress? An analysis of phaeomelanin-based plumage color and individual corticosterone levels at two temporal scales in North American barn swallows, <i>Hirundo rustica erythrogaster</i> . <i>Hormones and Behavior</i> , 2013, 64, 665-672.	1.0	33
25	Stress responsiveness predicts individual variation in mate selectivity. <i>General and Comparative Endocrinology</i> , 2013, 187, 32-38.	0.8	32
26	Melanin plumage ornaments in both sexes of Northern Flicker are associated with body condition and predict reproductive output independent of age. <i>Auk</i> , 2015, 132, 507-517.	0.7	31
27	High Costs of Female Choice in a Lekking Lizard. <i>PLoS ONE</i> , 2007, 2, e567.	1.1	31
28	Investment in mate choice depends on resource availability in female Galápagos marine iguanas (<i>Amblyrhynchus cristatus</i>). <i>Behavioral Ecology and Sociobiology</i> , 2009, 64, 105-113.	0.6	29
29	Achromatic plumage brightness predicts stress resilience and social interactions in tree swallows (<i>Tachycineta bicolor</i>). <i>Behavioral Ecology</i> , 2019, 30, 733-745.	1.0	29
30	Metabolic Scaling of Stress Hormones in Vertebrates. <i>Integrative and Comparative Biology</i> , 2018, 58, 729-738.	0.9	27
31	To breed or not to breed: Physiological correlates of reproductive status in a facultatively biennial iguanid. <i>Hormones and Behavior</i> , 2010, 57, 140-146.	1.0	26
32	Genome-wide variation in DNA methylation is associated with stress resilience and plumage brightness in a wild bird. <i>Molecular Ecology</i> , 2019, 28, 3722-3737.	2.0	26
33	Are hotshots always hot? A longitudinal study of hormones, behavior, and reproductive success in male marine iguanas. <i>General and Comparative Endocrinology</i> , 2008, 157, 227-232.	0.8	24
34	Stress Resilience and the Dynamic Regulation of Glucocorticoids. <i>Integrative and Comparative Biology</i> , 2019, 59, 251-263.	0.9	24
35	Environmental unpredictability shapes glucocorticoid regulation across populations of tree swallows. <i>Scientific Reports</i> , 2020, 10, 13682.	1.6	23
36	Full lifetime perspectives on the costs and benefits of lay date variation in tree swallows. <i>Ecology</i> , 2020, 101, e03109.	1.5	23

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37	Do Seasonal Glucocorticoid Changes Depend on Reproductive Investment? A Comparative Approach in Birds. <i>Integrative and Comparative Biology</i> , 2018, 58, 739-750.	0.9	21
38	Detecting Bias in Large-Scale Comparative Analyses: Methods for Expanding the Scope of Hypothesis-Testing with HormoneBase. <i>Integrative and Comparative Biology</i> , 2018, 58, 720-728.	0.9	19
39	An experimental test of the effect of brood size on glucocorticoid responses, parental investment, and offspring phenotype. <i>General and Comparative Endocrinology</i> , 2017, 247, 97-106.	0.8	18
40	IUCN Conservation Status Does Not Predict Glucocorticoid Concentrations in Reptiles and Birds. <i>Integrative and Comparative Biology</i> , 2018, 58, 800-813.	0.9	13
41	Standing Variation and the Capacity for Change: Are Endocrine Phenotypes More Variable Than Other Traits?. <i>Integrative and Comparative Biology</i> , 2018, 58, 751-762.	0.9	13
42	EFFECT OF FOOD REDUCTIONS ON TERRITORIAL BEHAVIOR OF PURPLE-THROATED CARIBS. <i>Condor</i> , 2004, 106, 691.	0.7	11
43	Brief Increases in Corticosterone Affect Morphology, Stress Responses, and Telomere Length but Not Postfledging Movements in a Wild Songbird. <i>Physiological and Biochemical Zoology</i> , 2019, 92, 274-285.	0.6	11
44	Life history and environment predict variation in testosterone across vertebrates. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 1003-1010.	1.1	11
45	Evolutionary Biology: Arms Races in the Eye of the Beholder. <i>Current Biology</i> , 2008, 18, R734-R736.	1.8	10
46	Island tameness: An altered cardiovascular stress response in Galápagos marine iguanas. <i>Physiology and Behavior</i> , 2010, 99, 544-548.	1.0	10
47	Signal Traits and Oxidative Stress: A Comparative Study across Populations with Divergent Signals. <i>Frontiers in Ecology and Evolution</i> , 2016, 4, .	1.1	10
48	Plumage manipulation alters associations between behaviour, physiology, the internal microbiome and fitness. <i>Animal Behaviour</i> , 2021, 178, 11-36.	0.8	10
49	Genetic Differentiation between Marine Iguanas from Different Breeding Sites on the Island of Santa FÁ© (Galápagos Archipelago). <i>Journal of Heredity</i> , 2010, 101, 663-675.	1.0	9
50	Illuminating Endocrine Evolution: The Power and Potential of Large-Scale Comparative Analyses. <i>Integrative and Comparative Biology</i> , 2018, 58, 712-719.	0.9	9
51	Effects of Artificial Light at Night on Avian Provisioning, Corticosterone, and Reproductive Success. <i>Integrative and Comparative Biology</i> , 2021, 61, 1147-1159.	0.9	9
52	The evolution of foraging behavior in the Galápagos marine iguana: natural and sexual selection on body size drives ecological, morphological, and behavioral specialization. , 2007, , 491-507.		8
53	Sexual selection: a dynamic state of affairs. <i>Trends in Ecology and Evolution</i> , 2010, 25, 429-430.	4.2	8
54	Heat shock protein gene expression varies among tissues and populations in free-living birds. <i>Auk</i> , 2022, 139, .	0.7	8

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55	Natural and experimental cold exposure in adulthood increase the sensitivity to future stressors in a free-living songbird. <i>Functional Ecology</i> , 2022, 36, 2531-2543.	1.7	8
56	Developmental temperature predicts the adult response to stressors in a free-living passerine. <i>Journal of Animal Ecology</i> , 2020, 89, 842-854.	1.3	7
57	Gut Microbiome as a Mediator of Stress Resilience: A Reactive Scope Model Framework. <i>Integrative and Comparative Biology</i> , 2022, 62, 41-57.	0.9	7
58	The relative speed of the glucocorticoid stress response varies independently of scope and is predicted by environmental variability and longevity across birds.. <i>Hormones and Behavior</i> , 2022, 144, 105226.	1.0	6
59	Timing of Breeding Reveals a Trade-Off between Immune Investment and Life History in Tree Swallows. <i>Integrative and Comparative Biology</i> , 2022, 62, 1629-1639.	0.9	4
60	Differences in perceived predation risk associated with variation in relative size of extra-pair and within-pair offspring. <i>Journal of Evolutionary Biology</i> , 2020, 33, 282-296.	0.8	3
61	Sexual Signaling: Climatic Carry-Over. <i>Current Biology</i> , 2012, 22, R61-R63.	1.8	2
62	Species-Specific Means and Within-Species Variance in Glucocorticoid Hormones and Speciation Rates in Birds. <i>Integrative and Comparative Biology</i> , 2018, 58, 763-776.	0.9	2
63	Can antibody-based assays consistently detect differences in feather corticosterone?. <i>Journal of Ornithology</i> , 2021, 162, 749-758.	0.5	2
64	No apparent trade-off between the quality of nest-grown feathers and time spent in the nest in an aerial insectivore, the Tree Swallow. <i>Auk</i> , 2022, 139, .	0.7	2
65	Light at night disrupts trophic interactions and population growth of lady beetles and pea aphids. <i>Oecologia</i> , 2022, , 1.	0.9	1