

Michaela Hau

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4232731/publications.pdf>

Version: 2024-02-01

74
papers

6,090
citations

81900

39
h-index

79698

73
g-index

75
all docs

75
docs citations

75
times ranked

5050
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying Glucocorticoid Plasticity Using Reaction Norm Approaches: There Still is So Much to Discover!. <i>Integrative and Comparative Biology</i> , 2022, 62, 58-70.	2.0	20
2	Bird populations most exposed to climate change are less sensitive to climatic variation. <i>Nature Communications</i> , 2022, 13, 2112.	12.8	15
3	Glucocorticoids in a warming world: Do they help birds to cope with high environmental temperatures?. <i>Hormones and Behavior</i> , 2022, 142, 105178.	2.1	10
4	Connecting the data landscape of long-term ecological studies: The SPI-Birds data hub. <i>Journal of Animal Ecology</i> , 2021, 90, 2147-2160.	2.8	25
5	Sex steroids modulate circadian behavioral rhythms in captive animals, but does this matter in the wild?. <i>Hormones and Behavior</i> , 2021, 128, 104900.	2.1	5
6	Life history and environment predict variation in testosterone across vertebrates. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 1003-1010.	2.3	11
7	Heterogeneous selection on exploration behavior within and among West European populations of a passerine bird. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	20
8	Inferring Whole-Organism Metabolic Rate From Red Blood Cells in Birds. <i>Frontiers in Physiology</i> , 2021, 12, 691633.	2.8	16
9	Early nighttime testosterone peaks are correlated with GnRH-induced testosterone in a diurnal songbird. <i>General and Comparative Endocrinology</i> , 2021, 312, 113861.	1.8	6
10	Host dispersal shapes the population structure of a tick-borne bacterial pathogen. <i>Molecular Ecology</i> , 2020, 29, 485-501.	3.9	43
11	Epigenetics of Animal Personality: DNA Methylation Cannot Explain the Heritability of Exploratory Behavior in a Songbird. <i>Integrative and Comparative Biology</i> , 2020, 60, 1517-1530.	2.0	12
12	Increased glucocorticoid concentrations in early life cause mitochondrial inefficiency and short telomeres. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	53
13	Baseline and stress-induced corticosterone levels across birds and reptiles do not reflect urbanization levels. , 2020, 8, coz110.		57
14	Exploratory behavior undergoes genotype-age interactions in a wild bird. <i>Ecology and Evolution</i> , 2019, 9, 8987-8994.	1.9	13
15	Telomere attrition: metabolic regulation and signalling function?. <i>Biology Letters</i> , 2019, 15, 20180885.	2.3	76
16	Macroevolutionary Patterning in Glucocorticoids Suggests Different Selective Pressures Shape Baseline and Stress-Induced Levels. <i>American Naturalist</i> , 2019, 193, 866-880.	2.1	64
17	Female variation in allocation of steroid hormones, antioxidants and fatty acids: a multilevel analysis in a wild passerine bird. <i>Journal of Avian Biology</i> , 2019, 50, .	1.2	18
18	Effects of El Niño and La Niña Southern Oscillation events on the adrenocortical responses to stress in birds of the Galapagos Islands. <i>General and Comparative Endocrinology</i> , 2018, 259, 20-33.	1.8	15

#	ARTICLE	IF	CITATIONS
19	Male but not female zebra finches with high plasma corticosterone have lower survival. <i>Functional Ecology</i> , 2018, 32, 713-721.	3.6	24
20	HormoneBase, a population-level database of steroid hormone levels across vertebrates. <i>Scientific Data</i> , 2018, 5, 180097.	5.3	42
21	Enzymatic antioxidants but not baseline glucocorticoids mediate the reproduction–survival trade-off in a wild bird. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, .	2.6	19
22	Glucocorticoid-temperature association is shaped by foraging costs in individual zebra finches. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	13
23	Corticosterone levels reflect variation in metabolic rate, independent of “stress”. <i>Scientific Reports</i> , 2018, 8, 13020.	3.3	81
24	Metabolic Scaling of Stress Hormones in Vertebrates. <i>Integrative and Comparative Biology</i> , 2018, 58, 729-738.	2.0	27
25	IUCN Conservation Status Does Not Predict Glucocorticoid Concentrations in Reptiles and Birds. <i>Integrative and Comparative Biology</i> , 2018, 58, 800-813.	2.0	13
26	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.	2.0	2
27	Corticosterone implants make stress hypo-responsive birds. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	14
28	Do Seasonal Glucocorticoid Changes Depend on Reproductive Investment? A Comparative Approach in Birds. <i>Integrative and Comparative Biology</i> , 2018, 58, 739-750.	2.0	21
29	Temporal dynamics of the HPA axis linked to exploratory behavior in a wild European songbird (<i>Parus</i>)	1.8	22
30	Risk-averse personalities have a systemically potentiated neuroendocrine stress axis: A multilevel experiment in <i>Parus major</i> . <i>Hormones and Behavior</i> , 2017, 93, 99-108.	2.1	41
31	Effects of developmental conditions on glucocorticoid concentrations in adulthood depend on sex and foraging conditions. <i>Hormones and Behavior</i> , 2017, 93, 175-183.	2.1	21
32	Timing as a sexually selected trait: the right mate at the right moment. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160249.	4.0	41
33	Flexible clock systems: adjusting the temporal programme. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160254.	4.0	49
34	Strong association between corticosterone and temperature dependent metabolic rate in individual zebra finches. <i>Journal of Experimental Biology</i> , 2017, 220, 4426-4431.	1.7	55
35	Inefficient co-feeding transmission of <i>Borrelia afzelii</i> in two common European songbirds. <i>Scientific Reports</i> , 2017, 7, 39596.	3.3	18
36	Novelty induces behavioural and glucocorticoid responses in a songbird artificially selected for divergent personalities. <i>Animal Behaviour</i> , 2017, 130, 221-231.	1.9	17

#	ARTICLE	IF	CITATIONS
37	Evolutionary signals of selection on cognition from the great tit genome and methylome. <i>Nature Communications</i> , 2016, 7, 10474.	12.8	172
38	Natural selection against a circadian clock gene mutation in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 686-691.	7.1	123
39	Endocrine mechanisms, behavioral phenotypes and plasticity: known relationships and open questions. <i>Frontiers in Zoology</i> , 2015, 12, S7.	2.0	151
40	Costs of sleeping in: circadian rhythms influence cuckoldry risk in a songbird. <i>Functional Ecology</i> , 2015, 29, 1300-1307.	3.6	40
41	Stressful colours: corticosterone concentrations in a free-living songbird vary with the spectral composition of experimental illumination. <i>Biology Letters</i> , 2015, 11, 20150517.	2.3	68
42	Repeated stressors in adulthood increase the rate of biological ageing. <i>Frontiers in Zoology</i> , 2015, 12, 4.	2.0	63
43	Are the specialized bird ticks, <i>Ixodes arboricola</i> and <i>I. frontalis</i> , competent vectors for <i>Borrelia burgdorferi</i> sensu lato?. <i>Environmental Microbiology</i> , 2014, 16, 1081-1089.	3.8	30
44	Baseline and stress-induced glucocorticoid concentrations are not repeatable but covary within individual great tits (<i>Parus major</i>). <i>General and Comparative Endocrinology</i> , 2014, 208, 154-163.	1.8	64
45	Does urban life change blood oxidative status in birds?. <i>Journal of Experimental Biology</i> , 2014, 217, 2994-7.	1.7	33
46	Initial reactivity and magnitude of the acute stress response associated with personality in wild great tits (<i>Parus major</i>). <i>General and Comparative Endocrinology</i> , 2013, 189, 96-104.	1.8	72
47	Anticipating Spring: Wild Populations of Great Tits (<i>Parus major</i>) Differ in Expression of Key Genes for Photoperiodic Time Measurement. <i>PLoS ONE</i> , 2012, 7, e34997.	2.5	51
48	Melatonin delays clutch initiation in a wild songbird. <i>Biology Letters</i> , 2012, 8, 330-332.	2.3	34
49	Personality affects learning performance in difficult tasks in a sex-dependent way. <i>Animal Behaviour</i> , 2012, 83, 723-730.	1.9	106
50	Corticosterone and brood abandonment in a passerine bird. <i>Animal Behaviour</i> , 2012, 84, 261-268.	1.9	66
51	Corticosterone responses differ between lines of great tits (<i>Parus major</i>) selected for divergent personalities. <i>General and Comparative Endocrinology</i> , 2012, 175, 488-494.	1.8	110
52	Within seasons and among years: When are corticosterone levels repeatable?. <i>Hormones and Behavior</i> , 2011, 60, 559-564.	2.1	113
53	Plastic endocrine regulation of year-round territorial aggression in tropical male spotted antbirds. <i>General and Comparative Endocrinology</i> , 2011, 172, 305-313.	1.8	20
54	Correlated response to selection of testosterone levels and immunocompetence in lines selected for avian personality. <i>Animal Behaviour</i> , 2011, 81, 1055-1061.	1.9	56

#	ARTICLE	IF	CITATIONS
55	Hormone levels predict individual differences in reproductive success in a passerine bird. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 2537-2545.	2.6	162
56	Radiotelemetry reveals variation in fever and sickness behaviours with latitude in a free-living passerine. <i>Functional Ecology</i> , 2010, 24, 813-823.	3.6	63
57	Association between DRD4 gene polymorphism and personality variation in great tits: a test across four wild populations. <i>Molecular Ecology</i> , 2010, 19, 832-843.	3.9	155
58	Evolutionary genomics of animal personality. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 3991-4000.	4.0	101
59	Corticosterone, testosterone and life-history strategies of birds. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 3203-3212.	2.6	220
60	Phenology, seasonal timing and circannual rhythms: towards a unified framework. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 3113-3127.	4.0	276
61	Tropical field endocrinology: Ecology and evolution of testosterone concentrations in male birds. <i>General and Comparative Endocrinology</i> , 2008, 157, 241-248.	1.8	65
62	Personality is associated with extrapair paternity in great tits, <i>Parus major</i> . <i>Animal Behaviour</i> , 2008, 76, 555-563.	1.9	143
63	Stress, Metabolism, and Antioxidants in Two Wild Passerine Bird Species. <i>Physiological and Biochemical Zoology</i> , 2008, 81, 463-472.	1.5	59
64	Regulation of male traits by testosterone: implications for the evolution of vertebrate life histories. <i>BioEssays</i> , 2007, 29, 133-144.	2.5	478
65	Food cues and gonadal development in neotropical spotted antbirds (<i>Hylophylax naevioides</i>). <i>Journal of Ornithology</i> , 2005, 146, 332-337.	1.1	30
66	Realized heritability and repeatability of risk-taking behaviour in relation to avian personalities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 65-73.	2.6	359
67	Territorial aggression and hormones during the non-breeding season in a tropical bird. <i>Hormones and Behavior</i> , 2004, 45, 40-49.	2.1	149
68	Testosterone reduces responsiveness to nociceptive stimuli in a wild bird. <i>Hormones and Behavior</i> , 2004, 46, 165-170.	2.1	48
69	Diel changes in plasma melatonin and corticosterone concentrations in tropical Nazca boobies (<i>Sula</i>). <i>Journal of Ornithology</i> , 2004, 145, 332-337.	1.8	72
70	Realized heritability of personalities in the great tit (<i>Parus major</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 45-51.	2.6	503
71	REPRODUCTIVE SEASONALITY OF SEVEN NEOTROPICAL PASSERINE SPECIES. <i>Condor</i> , 2003, 105, 683.	1.6	77
72	Vocal Distinctiveness and Response to Conspecific Playback in the Spotted Antbird, a Neotropical Suboscine. <i>Condor</i> , 2002, 104, 387-394.	1.6	67

#	ARTICLE	IF	CITATIONS
73	Repeatability and heritability of exploratory behaviour in great tits from the wild. <i>Animal Behaviour</i> , 2002, 64, 929-938.	1.9	649
74	Effect of Polar Day on Plasma Profiles of Melatonin, Testosterone, and Estradiol in High-Arctic Lapland Longspurs. <i>General and Comparative Endocrinology</i> , 2002, 126, 101-112.	1.8	42