

Fabrice Helfenstein

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

1,444
citations

279798

23
h-index

345221

36
g-index

56
all docs

56
docs citations

56
times ranked

1665
citing authors

#	ARTICLE	IF	CITATIONS
1	Sperm of colourful males are better protected against oxidative stress. <i>Ecology Letters</i> , 2010, 13, 213-222.	6.4	131
2	Corticosterone: effects on feather quality and deposition into feathers. <i>Methods in Ecology and Evolution</i> , 2015, 6, 237-246.	5.2	101
3	A nation-wide survey of neonicotinoid insecticides in agricultural land with implications for agri-environment schemes. <i>Journal of Applied Ecology</i> , 2019, 56, 1502-1514.	4.0	71
4	Sperm morphology, swimming velocity, and longevity in the house sparrow <i>Passer domesticus</i> . <i>Behavioral Ecology and Sociobiology</i> , 2010, 64, 557-565.	1.4	63
5	Colonies as byproducts of commodity selection. <i>Behavioral Ecology</i> , 2000, 11, 572-573.	2.2	55
6	A large-scale survey of house sparrows feathers reveals ubiquitous presence of neonicotinoids in farmlands. <i>Science of the Total Environment</i> , 2019, 660, 1091-1097.	8.0	52
7	Female choice of young sperm in a genetically monogamous bird. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, S134-7.	2.6	50
8	Functions of courtship feeding in black-legged kittiwakes: natural and sexual selection. <i>Animal Behaviour</i> , 2003, 65, 1027-1033.	1.9	49
9	LOW FREQUENCY OF EXTRA-PAIR PATERNITY AND HIGH FREQUENCY OF ADOPTION IN BLACK-LEGGED KITTIWAKES. <i>Condor</i> , 2004, 106, 149.	1.6	48
10	Multiple deleterious effects of experimentally aged sperm in a monogamous bird. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 13947-13952.	7.1	48
11	Immune Activation Reduces Sperm Quality in the Great Tit. <i>PLoS ONE</i> , 2011, 6, e22221.	2.5	48
12	Assortative Mating and Sexual Size Dimorphism in Black-legged Kittiwakes. <i>Waterbirds</i> , 2004, 27, 350-354.	0.3	43
13	Reproductive effort transiently reduces antioxidant capacity in a wild bird. <i>Behavioral Ecology</i> , 2011, 22, 1218-1226.	2.2	38
14	Microbiome affects egg carotenoid investment, nestling development and adult oxidative costs of reproduction in Great tits. <i>Functional Ecology</i> , 2015, 29, 1048-1058.	3.6	37
15	Nestling begging intensity and parental effort in relation to prelaying carotenoid availability. <i>Behavioral Ecology</i> , 2007, 19, 108-115.	2.2	36
16	Cellular immune response, stress resistance and competitiveness in nestling great tits in relation to maternally transmitted carotenoids. <i>Functional Ecology</i> , 2007, 21, 335-343.	3.6	35
17	Evidence that pairing with genetically similar mates is maladaptive in a monogamous bird. <i>BMC Evolutionary Biology</i> , 2009, 9, 147.	3.2	35
18	Nestling erythrocyte resistance to oxidative stress predicts fledging success but not local recruitment in a wild bird. <i>Biology Letters</i> , 2013, 9, 20120888.	2.3	35

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19	Polymorphic microsatellites in the black-legged kittiwake <i>Rissa tridactyla</i> . <i>Molecular Ecology Notes</i> , 2002, 2, 431-433.	1.7	32
20	Behavioral and physiological responses to male handicap in chick-rearing black-legged kittiwakes. <i>Behavioral Ecology</i> , 2011, 22, 1156-1165.	2.2	31
21	Sex-related effects of maternal egg investment on offspring in relation to carotenoid availability in the great tit. <i>Journal of Animal Ecology</i> , 2008, 77, 74-82.	2.8	28
22	Sexual conflict over sperm ejection in monogamous pairs of kittiwakes <i>Rissa tridactyla</i> . <i>Behavioral Ecology and Sociobiology</i> , 2003, 54, 370-376.	1.4	27
23	Between-male variation in sperm size, velocity and longevity in sand martins <i>Riparia riparia</i> . <i>Journal of Avian Biology</i> , 2008, 39, 647-652.	1.2	26
24	A sublethal dose of the neonicotinoid insecticide acetamiprid reduces sperm density in a songbird.. <i>Environmental Research</i> , 2019, 177, 108589.	7.5	26
25	Resistance to oxidative stress shows low heritability and high common environmental variance in a wild bird. <i>Journal of Evolutionary Biology</i> , 2014, 27, 1990-2000.	1.7	23
26	Sensitive and selective quantification of free and total malondialdehyde in plasma using UHPLC-HRMS. <i>Journal of Lipid Research</i> , 2017, 58, 1924-1931.	4.2	23
27	Alternative reproductive tactics, sperm mobility and oxidative stress in <i>Carollia perspicillata</i> (Seba). <i>Tj ETQq1 1,0,784314 rgBT /O</i>	1.4	20
28	Antioxidant allocation modulates sperm quality across changing social environments. <i>PLoS ONE</i> , 2017, 12, e0176385.	2.5	20
29	Reproductive effort and oxidative stress: effects of offspring sex and number on the physiological state of a long-lived bird. <i>Functional Ecology</i> , 2017, 31, 1201-1209.	3.6	18
30	Contamination by neonicotinoid insecticides in barn owls (<i>Tyto alba</i>) and Alpine swifts (<i>Tachymarptis</i>). <i>Tj ETQq0 0 0,rgBT /Overlock 10 T</i>	8.8	18
31	Family size and sex-specific parental effort in black-legged kittiwakes. <i>Behaviour</i> , 2010, 147, 1841-1862.	0.8	14
32	Electroejaculation and semen buffer evaluation in the microbat <i>Carollia perspicillata</i> . <i>Theriogenology</i> , 2015, 83, 904-910.	2.1	14
33	Effect of sibling competition and male carotenoid supply on offspring condition and oxidative stress. <i>Behavioral Ecology</i> , 2010, 21, 1271-1277.	2.2	13
34	Oxidative stress affects sperm performance and ejaculate redox status in subordinate House Sparrows. <i>Journal of Experimental Biology</i> , 2017, 220, 2577-2588.	1.7	13
35	Females of carotenoid-supplemented males are more faithful and produce higher quality offspring. <i>Behavioral Ecology</i> , 2008, 19, 1165-1172.	2.2	12
36	Maternal effects as drivers of sibling competition in a parent-offspring conflict context? An experimental test. <i>Ecology and Evolution</i> , 2016, 6, 3699-3710.	1.9	11

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37	Badge Size Reflects Sperm Oxidative Status within Social Groups in the House Sparrow <i>Passer domesticus</i> . <i>Frontiers in Ecology and Evolution</i> , 2016, 4, .	2.2	9
38	Modification of sperm quality after sexual abstinence in Seba's short-tailed bat, <i>Carollia perspicillata</i> . <i>Journal of Experimental Biology</i> , 2016, 219, 1363-1368.	1.7	9
39	Is sperm morphology functionally related to sperm swimming ability? A case study in a wild passerine bird with male hierarchies. <i>BMC Evolutionary Biology</i> , 2018, 18, 142.	3.2	9
40	Oxidative costs of cooperation in cooperatively breeding Damaraland mole-rats. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201023.	2.6	9
41	Brood Reduction via Intra-clutch Variation in Testosterone - An Experimental Test in the Great Tit. <i>PLoS ONE</i> , 2013, 8, e56672.	2.5	8
42	SARS-CoV-2 Vaccine Alpha and Delta Variant Breakthrough Infections Are Rare and Mild but Can Happen Relatively Early after Vaccination. <i>Microorganisms</i> , 2022, 10, 857.	3.6	8
43	Effects of an early-life paraquat exposure on adult resistance to oxidative stress, plumage colour and sperm performance in a wild bird. <i>Journal of Animal Ecology</i> , 2018, 87, 1137-1148.	2.8	7
44	Social dominance explains within-ejaculate variation in sperm design in a passerine bird. <i>BMC Evolutionary Biology</i> , 2017, 17, 66.	3.2	6
45	Relationships between sperm morphological traits and sperm swimming performance in wild Great Tits (<i>Parus major</i>). <i>Journal of Ornithology</i> , 2018, 159, 805-814.	1.1	5
46	Morphological and physiological consequences of a dietary restriction during early life in bats. <i>Behavioral Ecology</i> , 2020, 31, 475-486.	2.2	5
47	Higher <i>in vitro</i> resistance to oxidative stress in extra-pair offspring. <i>Journal of Evolutionary Biology</i> , 2011, 24, 2525-2530.	1.7	4
48	Sperm collection in Black-legged Kittiwakes and characterization of sperm velocity and morphology. <i>Avian Research</i> , 2018, 9, .	1.2	4
49	A guide for ecologists to build a low-cost selective trap using radio frequency identification detection. <i>Behavioral Ecology and Sociobiology</i> , 2019, 73, 1.	1.4	4
50	Social dominance, but not parasite load, affects sperm quality and sperm redox status in house sparrows. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	4
51	Birds of different morphs use slightly different strategies to achieve similar reproductive performance following heatwave exposure. <i>Journal of Animal Ecology</i> , 2021, 90, 2594-2608.	2.8	4
52	Experimental manipulation of reproductive tactics in Seba's short-tailed bats: consequences on sperm quality and oxidative status. <i>Environmental Epigenetics</i> , 2019, 65, 609-616.	1.8	2
53	Behavioural avoidance of sperm ageing depends on genetic similarity of mates in a monogamous seabird. <i>Biological Journal of the Linnean Society</i> , 2019, 128, 170-180.	1.6	2
54	Editorial: Oxidative Stress and Signal Honesty. <i>Frontiers in Ecology and Evolution</i> , 2017, 5, .	2.2	1

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55	Is Male Unpredictability a Paternity Assurance Strategy?. Behaviour, 2004, 141, 675-690.	0.8	0
56	Bird health and sperm quality in relation to environmental levels of neonicotinoids. , 2018, , .		0