

Luke Holman

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

3,604
citations

279701

23
h-index

175177

52
g-index

60
all docs

60
docs citations

60
times ranked

4617
citing authors

#	ARTICLE	IF	CITATIONS
1	Social immunity in the honey bee: do immune-challenged workers enter enforced or self-imposed exile?. <i>Behavioral Ecology and Sociobiology</i> , 2022, 76, 1.	0.6	5
2	Experimental sexual selection affects the evolution of physiological and life-history traits. <i>Journal of Evolutionary Biology</i> , 2022, 35, 742-751.	0.8	3
3	Male-biased sexual selection, but not sexual dichromatism, predicts speciation in birds. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 931-944.	1.1	12
4	Sexual selection can partly explain low frequencies of <i>Segregation Distorter</i> alleles. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211190.	1.2	0
5	A comment on <i>The adaptive value of gluttony: predators mediate the life history trade-offs of satiation threshold</i> by Pruitt & Krauel (2010). <i>Journal of Evolutionary Biology</i> , 2021, 34, 1989-1993.	0.8	4
6	Fitness consequences of the selfish supergene <i>Segregation Distorter</i> . <i>Journal of Evolutionary Biology</i> , 2020, 33, 89-100.	0.8	9
7	Mother's curse and indirect genetic effects: Do males matter to mitochondrial genome evolution?. <i>Journal of Evolutionary Biology</i> , 2020, 33, 189-201.	0.8	7
8	Resistance to natural and synthetic gene drive systems. <i>Journal of Evolutionary Biology</i> , 2020, 33, 1345-1360.	0.8	43
9	Sibling rivalry versus mother's curse: can kin competition facilitate a response to selection on male mitochondria?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200575.	1.2	7
10	Evolutionary simulations of <i>Z</i> -linked suppression gene drives. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191070.	1.2	14
11	Researchers collaborate with same-gendered colleagues more often than expected across the life sciences. <i>PLoS ONE</i> , 2019, 14, e0216128.	1.1	59
12	Meta-analytic evidence that sexual selection improves population fitness. <i>Nature Communications</i> , 2019, 10, 2017.	5.8	85
13	Comparative transcriptomics of social insect queen pheromones. <i>Nature Communications</i> , 2019, 10, 1593.	5.8	32
14	An X-linked meiotic drive allele has strong, recessive fitness costs in female <i>Drosophila pseudoobscura</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20192038.	1.2	17
15	Building a new research framework for social evolution: intralocus caste antagonism. <i>Biological Reviews</i> , 2018, 93, 1251-1268.	4.7	18
16	The gender gap in science: How long until women are equally represented?. <i>PLoS Biology</i> , 2018, 16, e2004956.	2.6	444
17	Evolution of female choice under intralocus sexual conflict and genotype-by-environment interactions. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170425.	1.8	14
18	The effects of stress and sex on selection, genetic covariance, and the evolutionary response. <i>Journal of Evolutionary Biology</i> , 2017, 30, 1898-1909.	0.8	30

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19	Conserved queen pheromones in bumblebees: a reply to Amsalem et al.. PeerJ, 2017, 5, e3332.	0.9	13
20	Sexual selection expedites the evolution of pesticide resistance. Evolution; International Journal of Organic Evolution, 2016, 70, 2746-2751.	1.1	25
21	Bet hedging via multiple mating: A meta-analysis. Evolution; International Journal of Organic Evolution, 2016, 70, 62-71.	1.1	17
22	Queen pheromones modulate DNA methyltransferase activity in bee and ant workers. Biology Letters, 2016, 12, 20151038.	1.0	21
23	Highly specific responses to queen pheromone in three Lasius ant species. Behavioral Ecology and Sociobiology, 2016, 70, 387-392.	0.6	29
24	The Ecology and Evolutionary Dynamics of Meiotic Drive. Trends in Ecology and Evolution, 2016, 31, 315-326.	4.2	305
25	Evolution of Social Insect Polyphenism Facilitated by the Sex Differentiation Cascade. PLoS Genetics, 2016, 12, e1005952.	1.5	48
26	Assessing the alignment of sexual and natural selection using radiomutagenized seed beetles. Journal of Evolutionary Biology, 2015, 28, 1039-1048.	0.8	20
27	The Extent and Consequences of P-Hacking in Science. PLoS Biology, 2015, 13, e1002106.	2.6	818
28	Bet-hedging via polyandry: a comment on "Mating portfolios: bet-hedging, sexual selection and female multiple mating". Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150346.	1.2	5
29	Coevolutionary dynamics of polyandry and sex-linked meiotic drive. Evolution; International Journal of Organic Evolution, 2015, 69, 709-720.	1.1	33
30	Evidence of Experimental Bias in the Life Sciences: Why We Need Blind Data Recording. PLoS Biology, 2015, 13, e1002190.	2.6	170
31	Even more functions of sperm RNA: a response to Hosken and Hodgson. Trends in Ecology and Evolution, 2014, 29, 648-649.	4.2	11
32	Polyandrous females found fitter populations. Journal of Evolutionary Biology, 2014, 27, 1948-1955.	0.8	15
33	Conserved Class of Queen Pheromones Stops Social Insect Workers from Reproducing. Science, 2014, 343, 287-290.	6.0	298
34	Cuticular lipids correlate with age and insemination status in queen honeybees. Insectes Sociaux, 2014, 61, 337-345.	0.7	7
35	The evolution of genomic imprinting: costs, benefits and long-term consequences. Biological Reviews, 2014, 89, 568-587.	4.7	24
36	Conditional helping and evolutionary transitions to eusociality and cooperative breeding. Behavioral Ecology, 2014, 25, 1173-1182.	1.0	21

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37	Female preferences for timing in a fiddler crab with synchronous courtship waving displays. <i>Animal Behaviour</i> , 2014, 98, 35-39.	0.8	20
38	Caste Load and the Evolution of Reproductive Skew. <i>American Naturalist</i> , 2014, 183, 84-95.	1.0	14
39	Bumblebee size polymorphism and worker response to queen pheromone. <i>PeerJ</i> , 2014, 2, e604.	0.9	28
40	Crozier's paradox revisited: maintenance of genetic recognition systems by disassortative mating. <i>BMC Evolutionary Biology</i> , 2013, 13, 211.	3.2	33
41	The consequences of polyandry for population viability, extinction risk and conservation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120053.	1.8	106
42	Genetic Constraints on Dishonesty and Caste Dimorphism in an Ant. <i>American Naturalist</i> , 2013, 181, 161-170.	1.0	20
43	Are queen ants inhibited by their own pheromone? Regulation of productivity via negative feedback. <i>Behavioral Ecology</i> , 2013, 24, 380-385.	1.0	16
44	The evolution of queen pheromones in the ant genus <i>Lasius</i> . <i>Journal of Evolutionary Biology</i> , 2013, 26, 1549-1558.	0.8	64
45	Terminal investment in multiple sexual signals: immune-challenged males produce more attractive pheromones. <i>Functional Ecology</i> , 2012, 26, 20-28.	1.7	52
46	COSTS AND CONSTRAINTS CONSPIRE TO PRODUCE HONEST SIGNALING: INSIGHTS FROM AN ANT QUEEN PHEROMONE. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 2094-2105.	1.1	69
47	Wax On, Wax Off: Nest Soil Facilitates Indirect Transfer of Recognition Cues between Ant Nestmates. <i>PLoS ONE</i> , 2011, 6, e19435.	1.1	37
48	Random sperm use and genetic effects on worker caste fate in <i>Atta colombica</i> leaf-cutting ants. <i>Molecular Ecology</i> , 2011, 20, 5092-5102.	2.0	23
49	Selfish strategies and honest signalling: reproductive conflicts in ant queen associations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 2007-2015.	1.2	58
50	Identification of an ant queen pheromone regulating worker sterility. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 3793-3800.	1.2	179
51	Queen pheromones. <i>Communicative and Integrative Biology</i> , 2010, 3, 558-560.	0.6	20
52	Sperm viability staining in ecology and evolution: potential pitfalls. <i>Behavioral Ecology and Sociobiology</i> , 2009, 63, 1679-1688.	0.6	51
53	A Sterile Sperm Caste Protects Brother Fertile Sperm from Female-Mediated Death in <i>Drosophila pseudoobscura</i> . <i>Current Biology</i> , 2008, 18, 292-296.	1.8	83
54	Queen pheromones and reproductive division of labor: a meta-analysis. <i>Behavioral Ecology</i> , 0, , .	1.0	22

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55	Onwards and upwards: a response to comments on Holman. Behavioral Ecology, 0, , .	1.0	0