Jussi Lehtonen

List of Publications by Year in descending order

45 papers	1,345 citations	430874 18 h-index	377865 34 g-index
46 all docs	46 docs citations	46 times ranked	1494 citing authors

#	Article	IF	Citations
1	The many costs of sex. Trends in Ecology and Evolution, 2012, 27, 172-178.	8.7	268
2	Safety in numbers: the dilution effect and other drivers of group life in the face of danger. Behavioral Ecology and Sociobiology, 2016, 70, 449-458.	1.4	116
3	Two roads to two sexes: unifying gamete competition and gamete limitation in a single model of anisogamy evolution. Behavioral Ecology and Sociobiology, 2011, 65, 445-459.	1.4	81
4	Negative Frequency-Dependent Selection of Sexually Antagonistic Alleles in Myodes glareolus. Science, 2011, 334, 972-974.	12.6	77
5	Why anisogamy drives ancestral sex roles. Evolution; International Journal of Organic Evolution, 2016, 70, 1129-1135.	2.3	75
6	Deimatic displays. Current Biology, 2015, 25, R58-R59.	3.9	73
7	Deimatism: a neglected component of antipredator defence. Biology Letters, 2017, 13, 20160936.	2.3	67
8	Positive feedback and alternative stable states in inbreeding, cooperation, sex roles and other evolutionary processes. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 211-221.	4.0	58
9	Evolutionary and ecological implications of sexual parasitism. Trends in Ecology and Evolution, 2013, 28, 297-306.	8.7	58
10	What do isogamous organisms teach us about sex and the two sexes?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150532.	4.0	46
11	The Lambert W function in ecological and evolutionary models. Methods in Ecology and Evolution, 2016, 7, 1110-1118.	5.2	40
12	Gamete competition, gamete limitation, and the evolution of the two sexes. Molecular Human Reproduction, 2014, 20, 1161-1168.	2.8	37
13	The evolution of gonad expenditure and gonadosomatic index (GSI) in male and female broadcastâ€spawning invertebrates. Biological Reviews, 2018, 93, 693-753.	10.4	35
14	Gamete evolution and sperm numbers: sperm competition versus sperm limitation. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140836.	2.6	28
15	Generation time, life history and the substitution rate of neutral mutations. Biology Letters, 2014, 10, 20140801.	2.3	26
16	Multilevel Selection in Kin Selection Language. Trends in Ecology and Evolution, 2016, 31, 752-762.	8.7	25
17	The Price Equation, Gradient Dynamics, and Continuous Trait Game Theory. American Naturalist, 2018, 191, 146-153.	2.1	25
18	Strategy selection under conspecific brood parasitism: an integrative modeling approach. Behavioral Ecology, 2011, 22, 144-155.	2.2	20

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19	Why inclusive fitness can make it adaptive to produce less fit extra-pair offspring. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142716.	2.6	20
20	Diapause and maintenance of facultative sexual reproductive strategies. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150536.	4.0	18
21	Sexual competition and the evolution of conditionâ€dependent ageing. Evolution Letters, 2018, 2, 37-48.	3.3	18
22	Evolution of the Two Sexes under Internal Fertilization and Alternative Evolutionary Pathways. American Naturalist, 2019, 193, 702-716.	2.1	16
23	Models of fertilization kinetics. Royal Society Open Science, 2015, 2, 150175.	2.4	14
24	Fifty years of the Price equation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190350.	4.0	14
25	The Price equation and the unity of social evolution theory. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190362.	4.0	14
26	Mathematical Models of Fertilizationâ€”An Eco-Evolutionary Perspective. Quarterly Review of Biology, 2019, 94, 177-208.	0.1	12
27	Bateman gradients from first principles. Nature Communications, 2022, 13, .	12.8	12
28	Sex. Current Biology, 2014, 24, R305-R306.	3.9	10
29	Sexual deception: Coevolution or inescapable exploitation?. Environmental Epigenetics, 2014, 60, 52-61.	1.8	8
30	Mate limitation and sex ratio evolution. Royal Society Open Science, 2018, 5, 171135.	2.4	8
31	Evolution of Anisogamy in Organisms with Parthenogenetic Gametes. American Naturalist, 2021, 198, 360-378.	2.1	7
32	Longevity and the drift barrier: Bridging the gap between Medawar and Hamilton. Evolution Letters, 2020, 4, 382-393.	3.3	6
33	The Legacy of Parker, Baker and Smith 1972: Gamete Competition, the Evolution of Anisogamy, and Model Robustness. Cells, 2021, 10, 573.	4.1	4
34	Fisher's principle remains a plausible explanation for human sex ratio evolution. A Comment on: Zietsch et al . 2020. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20202632.	2.6	3
35	Virus epidemics can lead to a populationâ€wide spread of intragenomic parasites in a previously parasiteâ€free asexual population. Molecular Ecology, 2014, 23, 987-991.	3.9	1
36	Superorganismal anisogamy: queenâ€“male dimorphism in eusocial insects. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20200635.	2.6	1

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37	Sexual Reproduction as Bet-Hedging. Annals of the International Society of Dynamic Games, 2017, , 217-234.	0.3	1
38	Causality Meets Mathematics: In Defense of the Mathematization of Evolutionary Biology. Trends in Ecology and Evolution, 2020, 35, 645-646.	8.7	0
39	William Hamilton. , 2021, , 8517-8522.		0
40	Kin Selection. , 2021, , 4386-4395.		0
41	Gamete Size. , 2021, , 3325-3328.		0
42	Green Beard Effect, The. , 2021, , 3543-3546.		0
43	Gamete Size. , 2017, , 1-4.		0
44	William Hamilton. , 2020, , 1-6.		0
45	Green Beard Effect, The. , 2020, , 1-4.		0