Marc T J Johnson

List of Publications by Year
in descending order

74 papers	7,348 citations	87723 38 h-index	76769 74 g-index
80 all docs	80 docs citations	80 times ranked	9775 citing authors

#	Article	IF	Citations
1	Polyploidy in urban environments. Trends in Ecology and Evolution, 2022, 37, 507-516.	4.2	4
2	Global urban environmental change drives adaptation in white clover. Science, 2022, 375, 1275-1281.	6.0	62
3	Evolution in response to climate in the native and introduced ranges of a globally distributed plant. Evolution; International Journal of Organic Evolution, 2022, 76, 1495-1511.	1.1	4
4	The impact of urbanization on outcrossing rate and population genetic variation in the native wildflower, Impatiens capensis. Journal of Urban Ecology, 2022, 8, .	0.6	4
5	The evolution of multi-gene families and metabolic pathways in the evening primroses (Oenothera:) Tj ETQq1 1 0.784314 rgBT /Overlock	1.1	3
6	Socioâ€ecoâ€evolutionary dynamics in cities. Evolutionary Applications, 2021, 14, 248-267.	1.5	86
7	Urban evolution comes into its own: Emerging themes and future directions of a burgeoning field. Evolutionary Applications, 2021, 14, 3-11.	1.5	23
8	Ecological consequences of urbanization on a legumeâ€“rhizobia mutualism. Oikos, 2021, 130, 1750-1761.	1.2	11
9	Urbanization alters interactions between Darwin's finches and Tribulus cistoides on the GalÃ¡pagos Islands. Ecology and Evolution, 2021, 11, 15754-15765.	0.8	4
10	The ecology and evolution of seed predation by Darwin's finches on Tribulus cistoides on the GalÃ¡pagos Islands. Ecological Monographs, 2020, 90, e01392.	2.4	15
11	The role of spines in anthropogenic seed dispersal on the GalÃ¡pagos Islands. Ecology and Evolution, 2020, 10, 1639-1647.	0.8	5
12	Variation in pollinator-mediated plant reproduction across an urbanization gradient. Oecologia, 2020, 192, 1073-1083.	0.9	21
13	Predicting the strength of urban-rural clines in a Mendelian polymorphism along a latitudinal gradient. Evolution Letters, 2020, 4, 212-225.	1.6	19
14	Landscape Genetic Approaches to Understanding Movement and Gene Flow in Cities. , 2020, , 54-73.		16
15	Urbanization Shapes the Ecology and Evolution of Plant-Arthropod Herbivore Interactions. Frontiers in Ecology and Evolution, 2019, 7, .	1.1	70
16	Hybridization and a loss of sex shape genomeâ€wide diversity and the origin of species in the evening primroses (Oenothera, Onagraceae). New Phytologist, 2019, 224, 1372-1380.	3.5	16
17	Gene flow and genetic drift in urban environments. Molecular Ecology, 2019, 28, 4138-4151.	2.0	131
18	A roadmap for urban evolutionary ecology. Evolutionary Applications, 2019, 12, 384-398.	1.5	161

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19	Herbivores and plant defences affect selection on plant reproductive traits more strongly than pollinators. Journal of Evolutionary Biology, 2019, 32, 4-18.	0.8	35
20	Ellagitannins from the Onagraceae Decrease the Performance of Generalist and Specialist Herbivores. Journal of Chemical Ecology, 2019, 45, 86-94.	0.9	16
21	Assembly and ecological function of the root microbiome across angiosperm plant species. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1157-E1165.	3.3	739
22	Fitness consequences of occasional outcrossing in a functionally asexual plant (Oenothera) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	1.5	10
23	Contrasting the effects of natural selection, genetic drift and gene flow on urban evolution in white clover (Trifolium repens). Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181019.	1.2	72
24	Modern spandrels: the roles of genetic drift, gene flow and natural selection in the evolution of parallel clines. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180230.	1.2	30
25	Testing for latitudinal gradients in defense at the macroevolutionary scale. Evolution; International Journal of Organic Evolution, 2018, 72, 2129-2143.	1.1	15
26	The evolution of city life. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181529.	1.2	41
27	Chloroplast sequence variation and the efficacy of peptide nucleic acids for blocking host amplification in plant microbiome studies. Microbiome, 2018, 6, 144.	4.9	74
28	The effects of plant sexual system and latitude on resistance to herbivores. American Journal of Botany, 2018, 105, 977-985.	0.8	6
29	Evolution caused by extreme events. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160146.	1.8	170
30	Evolution of life in urban environments. Science, 2017, 358, .	6.0	609
31	Phylogenetic relatedness, phenotypic similarity and plantâ€“soil feedbacks. Journal of Ecology, 2017, 105, 786-800.	1.9	50
32	Spontaneous Chloroplast Mutants Mostly Occur by Replication Slippage and Show a Biased Pattern in the Plastome of Oenothera. Plant Cell, 2016, 28, 911-929.	3.1	49
33	The genetics of chutes and ladders: a community genetics approach to tritrophic interactions. Oikos, 2016, 125, 1657-1667.	1.2	3
34	Antiherbivore defenses alter natural selection on plant reproductive traits. Evolution; International Journal of Organic Evolution, 2016, 70, 796-810.	1.1	24
35	Urbanization drives the evolution of parallel clines in plant populations. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20162180.	1.2	82
36	Precision and accuracy in quantifying herbivory. Ecological Entomology, 2016, 41, 112-121.	1.1	83

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37	Latitudinal Gradients in Induced and Constitutive Resistance against Herbivores. Journal of Chemical Ecology, 2016, 42, 772-781.	0.9	20
38	Disentangling the Effects of Precipitation Amount and Frequency on the Performance of 14 Grassland Species. PLoS ONE, 2016, 11, e0162310.	1.1	35
39	Fifty years of coâ€evolution and beyond: integrating coâ€evolution from molecules to species. Molecular Ecology, 2015, 24, 5315-5329.	2.0	33
40	Plant evolution in the urban jungle. American Journal of Botany, 2015, 102, 1951-1953.	0.8	45
41	Plant domestication slows pest evolution. Ecology Letters, 2015, 18, 907-915.	3.0	24
42	No evidence that sex and transposable elements drive genome size variation in evening primroses. Evolution; International Journal of Organic Evolution, 2015, 69, 1053-1062.	1.1	40
43	Can genetically based clines in plant defence explain greaterÂherbivory at higher latitudes?. Ecology Letters, 2015, 18, 1376-1386.	3.0	56
44	Recurrent Loss of Sex Is Associated with Accumulation of Deleterious Mutations in Oenothera. Molecular Biology and Evolution, 2015, 32, 896-905.	3.5	82
45	Macroevolution of plant defenses against herbivores in the evening primroses. New Phytologist, 2014, 203, 267-279.	3.5	61
46	The impact of domestication on resistance to two generalist herbivores across 29 independent domestication events. New Phytologist, 2014, 204, 671-681.	3.5	87
47	Effects of functionally asexual reproduction on quantitative genetic variation in the evening primroses (Oenothera, Onagraceae). American Journal of Botany, 2014, 101, 1906-1914.	0.8	5
48	Macroecological and macroevolutionary patterns of leaf herbivory across vascular plants. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140555.	1.2	109
49	Testing for coevolutionary diversification: linking pattern with process. Trends in Ecology and Evolution, 2014, 29, 82-89.	4.2	123
50	Experimental test of plant defence evolution in four species using longâ€term rabbit exclosures. Journal of Ecology, 2014, 102, 584-594.	1.9	30
51	Latitudinal gradients in herbivory on Oenothera biennis vary according to herbivore guild and specialization. Ecology, 2014, 95, 2915-2923.	1.5	63
52	Percentage leaf herbivory across vascular plant species. Ecology, 2014, 95, 788-788.	1.5	53
53	A Field Experiment Demonstrating Plant Life-History Evolution and Its Eco-Evolutionary Feedback to Seed Predator Populations. American Naturalist, 2013, 181, S35-S45.	1.0	76
54	Evolution of mixed strategies of plant defense against herbivores. New Phytologist, 2013, 197, 359-361.	3.5	38

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55	Effects of drought, temperature, herbivory, and genotype on plantâ€“insect interactions in soybean (Glycine max). Arthropod-Plant Interactions, 2013, 7, 201-215.	0.5	32
56	The effects of drought and herbivory on plantâ€“herbivore interactions across 16 soybean genotypes in a field experiment. Ecological Entomology, 2013, 38, 290-302.	1.1	20
57	Contemporary Evolution of Plant Growth Rate Following Experimental Removal of Herbivores. American Naturalist, 2013, 181, S21-S34.	1.0	37
58	Insect Herbivores Drive Real-Time Ecological and Evolutionary Change in Plant Populations. Science, 2012, 338, 113-116.	6.0	389
59	Evaluating Methods for Isolating Total RNA and Predicting the Success of Sequencing Phylogenetically Diverse Plant Transcriptomes. PLoS ONE, 2012, 7, e50226.	1.1	172
60	Evolutionary ecology of plant defences against herbivores. Functional Ecology, 2011, 25, 305-311.	1.7	82
61	The latitudinal herbivoryâ€defence hypothesis takes a detour on the map. New Phytologist, 2011, 191, 589-592.	3.5	62
62	LOSS OF SEXUAL RECOMBINATION AND SEGREGATION IS ASSOCIATED WITH INCREASED DIVERSIFICATION IN EVENING PRIMROSES. Evolution; International Journal of Organic Evolution, 2011, 65, 3230-3240.	1.1	56
63	The contribution of evening primrose (Oenothera biennis) to a modern synthesis of evolutionary ecology. Population Ecology, 2011, 53, 9-21.	0.7	33
64	Effects of plant sex on range distributions and allocation to reproduction. New Phytologist, 2010, 186, 769-779.	3.5	45
65	Plant sex and the evolution of plant defenses against herbivores. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18079-18084.	3.3	109
66	Evolution in plant populations as a driver of ecological changes in arthropod communities. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 1593-1605.	1.8	91
67	Ecological consequences of genetic diversity. Ecology Letters, 2008, 11, 609-623.	3.0	1,342
68	Environmental variation has stronger effects than plant genotype on competition among plant species. Journal of Ecology, 2008, 96, 947-955.	1.9	44
69	BOTTOM-UP EFFECTS OF PLANT GENOTYPE ON APHIDS, ANTS, AND PREDATORS. Ecology, 2008, 89, 145-154.	1.5	131
70	An emerging synthesis between community ecology and evolutionary biology. Trends in Ecology and Evolution, 2007, 22, 250-257.	4.2	391
71	Covariation and composition of arthropod species across plant genotypes of evening primrose, Oenothera biennis. Oikos, 2007, 116, 941-956.	1.2	51
72	Plant genotype and induced responses affect resistance to herbivores on evening primrose (Oenothera biennis). Ecological Entomology, 2006, 31, 20-31.	1.1	33

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73	PLANT GENOTYPE AND ENVIRONMENT INTERACT TO SHAPE A DIVERSE ARTHROPOD COMMUNITY ON EVENING PRIMROSE (OENOTHERA BIENNIS). Ecology, 2005, 86, 874-885.	1.5	295
74	ECOLOGICAL GENETICS OF AN INDUCED PLANT DEFENSE AGAINST HERBIVORES: ADDITIVE GENETIC VARIANCE AND COSTS OF PHENOTYPIC PLASTICITY. Evolution; International Journal of Organic Evolution, 2002, 56, 2206-2213.	1.1	182