

Marc T J Johnson

List of Publications by Year in descending order

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Version: 2024-02-01

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	Ecological consequences of genetic diversity. <i>Ecology Letters</i> , 2008, 11, 609-623.	3.0	1,342
2	Assembly and ecological function of the root microbiome across angiosperm plant species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1157-E1165.	3.3	739
3	Evolution of life in urban environments. <i>Science</i> , 2017, 358, .	6.0	609
4	An emerging synthesis between community ecology and evolutionary biology. <i>Trends in Ecology and Evolution</i> , 2007, 22, 250-257.	4.2	391
5	Insect Herbivores Drive Real-Time Ecological and Evolutionary Change in Plant Populations. <i>Science</i> , 2012, 338, 113-116.	6.0	389
6	PLANT GENOTYPE AND ENVIRONMENT INTERACT TO SHAPE A DIVERSE ARTHROPOD COMMUNITY ON EVENING PRIMROSE (<i>OENOTHERA BIENNIS</i>). <i>Ecology</i> , 2005, 86, 874-885.	1.5	295
7	ECOLOGICAL GENETICS OF AN INDUCED PLANT DEFENSE AGAINST HERBIVORES: ADDITIVE GENETIC VARIANCE AND COSTS OF PHENOTYPIC PLASTICITY. <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 2206-2213.	1.1	182
8	Evaluating Methods for Isolating Total RNA and Predicting the Success of Sequencing Phylogenetically Diverse Plant Transcriptomes. <i>PLoS ONE</i> , 2012, 7, e50226.	1.1	172
9	Evolution caused by extreme events. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160146.	1.8	170
10	A roadmap for urban evolutionary ecology. <i>Evolutionary Applications</i> , 2019, 12, 384-398.	1.5	161
11	BOTTOM-UP EFFECTS OF PLANT GENOTYPE ON APHIDS, ANTS, AND PREDATORS. <i>Ecology</i> , 2008, 89, 145-154.	1.5	131
12	Gene flow and genetic drift in urban environments. <i>Molecular Ecology</i> , 2019, 28, 4138-4151.	2.0	131
13	Testing for coevolutionary diversification: linking pattern with process. <i>Trends in Ecology and Evolution</i> , 2014, 29, 82-89.	4.2	123
14	Plant sex and the evolution of plant defenses against herbivores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 18079-18084.	3.3	109
15	Macroecological and macroevolutionary patterns of leaf herbivory across vascular plants. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140555.	1.2	109
16	Evolution in plant populations as a driver of ecological changes in arthropod communities. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 1593-1605.	1.8	91
17	The impact of domestication on resistance to two generalist herbivores across 29 independent domestication events. <i>New Phytologist</i> , 2014, 204, 671-681.	3.5	87
18	Socioeco-evolutionary dynamics in cities. <i>Evolutionary Applications</i> , 2021, 14, 248-267.	1.5	86

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19	Precision and accuracy in quantifying herbivory. <i>Ecological Entomology</i> , 2016, 41, 112-121.	1.1	83
20	Evolutionary ecology of plant defences against herbivores. <i>Functional Ecology</i> , 2011, 25, 305-311.	1.7	82
21	Recurrent Loss of Sex Is Associated with Accumulation of Deleterious Mutations in <i>Oenothera</i> . <i>Molecular Biology and Evolution</i> , 2015, 32, 896-905.	3.5	82
22	Urbanization drives the evolution of parallel clines in plant populations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20162180.	1.2	82
23	A Field Experiment Demonstrating Plant Life-History Evolution and Its Eco-Evolutionary Feedback to Seed Predator Populations. <i>American Naturalist</i> , 2013, 181, S35-S45.	1.0	76
24	Chloroplast sequence variation and the efficacy of peptide nucleic acids for blocking host amplification in plant microbiome studies. <i>Microbiome</i> , 2018, 6, 144.	4.9	74
25	Contrasting the effects of natural selection, genetic drift and gene flow on urban evolution in white clover (<i>Trifolium repens</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181019.	1.2	72
26	Urbanization Shapes the Ecology and Evolution of Plant-Arthropod Herbivore Interactions. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	1.1	70
27	Latitudinal gradients in herbivory on <i>Oenothera biennis</i> vary according to herbivore guild and specialization. <i>Ecology</i> , 2014, 95, 2915-2923.	1.5	63
28	The latitudinal herbivory-defence hypothesis takes a detour on the map. <i>New Phytologist</i> , 2011, 191, 589-592.	3.5	62
29	Global urban environmental change drives adaptation in white clover. <i>Science</i> , 2022, 375, 1275-1281.	6.0	62
30	Macroevolution of plant defenses against herbivores in the evening primroses. <i>New Phytologist</i> , 2014, 203, 267-279.	3.5	61
31	LOSS OF SEXUAL RECOMBINATION AND SEGREGATION IS ASSOCIATED WITH INCREASED DIVERSIFICATION IN EVENING PRIMROSES. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 3230-3240.	1.1	56
32	Can genetically based clines in plant defence explain greater herbivory at higher latitudes?. <i>Ecology Letters</i> , 2015, 18, 1376-1386.	3.0	56
33	Percentage leaf herbivory across vascular plant species. <i>Ecology</i> , 2014, 95, 788-788.	1.5	53
34	Covariation and composition of arthropod species across plant genotypes of evening primrose, <i>Oenothera biennis</i> . <i>Oikos</i> , 2007, 116, 941-956.	1.2	51
35	Phylogenetic relatedness, phenotypic similarity and plant-soil feedbacks. <i>Journal of Ecology</i> , 2017, 105, 786-800.	1.9	50
36	Spontaneous Chloroplast Mutants Mostly Occur by Replication Slippage and Show a Biased Pattern in the Plastome of <i>Oenothera</i> . <i>Plant Cell</i> , 2016, 28, 911-929.	3.1	49

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37	Effects of plant sex on range distributions and allocation to reproduction. <i>New Phytologist</i> , 2010, 186, 769-779.	3.5	45
38	Plant evolution in the urban jungle. <i>American Journal of Botany</i> , 2015, 102, 1951-1953.	0.8	45
39	Environmental variation has stronger effects than plant genotype on competition among plant species. <i>Journal of Ecology</i> , 2008, 96, 947-955.	1.9	44
40	The evolution of city life. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181529.	1.2	41
41	No evidence that sex and transposable elements drive genome size variation in evening primroses. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 1053-1062.	1.1	40
42	Evolution of mixed strategies of plant defense against herbivores. <i>New Phytologist</i> , 2013, 197, 359-361.	3.5	38
43	Contemporary Evolution of Plant Growth Rate Following Experimental Removal of Herbivores. <i>American Naturalist</i> , 2013, 181, S21-S34.	1.0	37
44	Herbivores and plant defences affect selection on plant reproductive traits more strongly than pollinators. <i>Journal of Evolutionary Biology</i> , 2019, 32, 4-18.	0.8	35
45	Disentangling the Effects of Precipitation Amount and Frequency on the Performance of 14 Grassland Species. <i>PLoS ONE</i> , 2016, 11, e0162310.	1.1	35
46	Plant genotype and induced responses affect resistance to herbivores on evening primrose (<i>Oenothera biennis</i>). <i>Ecological Entomology</i> , 2006, 31, 20-31.	1.1	33
47	The contribution of evening primrose (<i>Oenothera biennis</i>) to a modern synthesis of evolutionary ecology. <i>Population Ecology</i> , 2011, 53, 9-21.	0.7	33
48	Fifty years of coevolution and beyond: integrating coevolution from molecules to species. <i>Molecular Ecology</i> , 2015, 24, 5315-5329.	2.0	33
49	Effects of drought, temperature, herbivory, and genotype on plant-insect interactions in soybean (<i>Glycine max</i>). <i>Arthropod-Plant Interactions</i> , 2013, 7, 201-215.	0.5	32
50	Experimental test of plant defence evolution in four species using long-term rabbit exclosures. <i>Journal of Ecology</i> , 2014, 102, 584-594.	1.9	30
51	Modern spandrels: the roles of genetic drift, gene flow and natural selection in the evolution of parallel clines. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180230.	1.2	30
52	Plant domestication slows pest evolution. <i>Ecology Letters</i> , 2015, 18, 907-915.	3.0	24
53	Antiherbivore defenses alter natural selection on plant reproductive traits. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 796-810.	1.1	24
54	Urban evolution comes into its own: Emerging themes and future directions of a burgeoning field. <i>Evolutionary Applications</i> , 2021, 14, 3-11.	1.5	23

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55	Variation in pollinator-mediated plant reproduction across an urbanization gradient. <i>Oecologia</i> , 2020, 192, 1073-1083.	0.9	21
56	The effects of drought and herbivory on plant-herbivore interactions across 16 soybean genotypes in a field experiment. <i>Ecological Entomology</i> , 2013, 38, 290-302.	1.1	20
57	Latitudinal Gradients in Induced and Constitutive Resistance against Herbivores. <i>Journal of Chemical Ecology</i> , 2016, 42, 772-781.	0.9	20
58	Predicting the strength of urban-rural clines in a Mendelian polymorphism along a latitudinal gradient. <i>Evolution Letters</i> , 2020, 4, 212-225.	1.6	19
59	Hybridization and a loss of sex shape genome-wide diversity and the origin of species in the evening primroses (<i>Oenothera</i> , Onagraceae). <i>New Phytologist</i> , 2019, 224, 1372-1380.	3.5	16
60	Ellagitannins from the Onagraceae Decrease the Performance of Generalist and Specialist Herbivores. <i>Journal of Chemical Ecology</i> , 2019, 45, 86-94.	0.9	16
61	Landscape Genetic Approaches to Understanding Movement and Gene Flow in Cities. , 2020, , 54-73.		16
62	Testing for latitudinal gradients in defense at the macroevolutionary scale. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 2129-2143.	1.1	15
63	The ecology and evolution of seed predation by Darwin's finches on <i>Tribulus cistoides</i> on the Galápagos Islands. <i>Ecological Monographs</i> , 2020, 90, e01392.	2.4	15
64	Ecological consequences of urbanization on a legume-rhizobia mutualism. <i>Oikos</i> , 2021, 130, 1750-1761.	1.2	11
65	Fitness consequences of occasional outcrossing in a functionally asexual plant (<i>Oenothera</i>) Tj ETQq1 1 0.784314,rgBT /Overlock 10 1.5	1.5	10
66	The effects of plant sexual system and latitude on resistance to herbivores. <i>American Journal of Botany</i> , 2018, 105, 977-985.	0.8	6
67	Effects of functionally asexual reproduction on quantitative genetic variation in the evening primroses (<i>Oenothera</i> , Onagraceae). <i>American Journal of Botany</i> , 2014, 101, 1906-1914.	0.8	5
68	The role of spines in anthropogenic seed dispersal on the Galápagos Islands. <i>Ecology and Evolution</i> , 2020, 10, 1639-1647.	0.8	5
69	Urbanization alters interactions between Darwin's finches and <i>Tribulus cistoides</i> on the Galápagos Islands. <i>Ecology and Evolution</i> , 2021, 11, 15754-15765.	0.8	4
70	Ploidy in urban environments. <i>Trends in Ecology and Evolution</i> , 2022, 37, 507-516.	4.2	4
71	Evolution in response to climate in the native and introduced ranges of a globally distributed plant. <i>Evolution; International Journal of Organic Evolution</i> , 2022, 76, 1495-1511.	1.1	4
72	The impact of urbanization on outcrossing rate and population genetic variation in the native wildflower, <i>Impatiens capensis</i> . <i>Journal of Urban Ecology</i> , 2022, 8, .	0.6	4

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73	The genetics of chutes and ladders: a community genetics approach to tritrophic interactions. <i>Oikos</i> , 2016, 125, 1657-1667.	1.2	3
74	The evolution of multi-gene families and metabolic pathways in the evening primroses (<i>Oenothera</i>): Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.1	3