

Jill T Anderson

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

3,863
citations

159585

30
h-index

182427

51
g-index

58
all docs

58
docs citations

58
times ranked

4880
citing authors

#	ARTICLE	IF	CITATIONS
1	Phenotypic plasticity and adaptive evolution contribute to advancing flowering phenology in response to climate change. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 3843-3852.	2.6	393
2	Evolutionary genetics of plant adaptation. <i>Trends in Genetics</i> , 2011, 27, 258-266.	6.7	323
3	3D phenotyping and quantitative trait locus mapping identify core regions of the rice genome controlling root architecture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E1695-704.	7.1	261
4	Genetic trade-offs and conditional neutrality contribute to local adaptation. <i>Molecular Ecology</i> , 2013, 22, 699-708.	3.9	226
5	A Gain-of-Function Polymorphism Controlling Complex Traits and Fitness in Nature. <i>Science</i> , 2012, 337, 1081-1084.	12.6	158
6	High-quality seed dispersal by fruit-eating fishes in Amazonian floodplain habitats. <i>Oecologia</i> , 2009, 161, 279-290.	2.0	151
7	Climate change alters plant-herbivore interactions. <i>New Phytologist</i> , 2021, 229, 1894-1910.	7.3	137
8	LIFE-HISTORY QTLs AND NATURAL SELECTION ON FLOWERING TIME IN <i>BOECHERA STRICTA</i> , A PERENNIAL RELATIVE OF <i>ARABIDOPSIS</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 771-787.	2.3	123
9	Evolutionary and Ecological Responses to Anthropogenic Climate Change. <i>Plant Physiology</i> , 2012, 160, 1728-1740.	4.8	117
10	Plant fitness in a rapidly changing world. <i>New Phytologist</i> , 2016, 210, 81-87.	7.3	112
11	Seed dispersal by fishes in tropical and temperate fresh waters: The growing evidence. <i>Acta Oecologica</i> , 2011, 37, 561-577.	1.1	110
12	Extremely long-distance seed dispersal by an overfished Amazonian frugivore. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 3329-3335.	2.6	107
13	Examining plant physiological responses to climate change through an evolutionary lens. <i>Plant Physiology</i> , 2016, 172, pp.00793.2016.	4.8	101
14	Control of flower size. <i>Journal of Experimental Botany</i> , 2013, 64, 1427-1437.	4.8	94
15	Climate change disrupts local adaptation and favours upslope migration. <i>Ecology Letters</i> , 2020, 23, 181-192.	6.4	93
16	Plasticity in functional traits in the context of climate change: a case study of the subalpine forb <i>Boechera stricta</i> (Brassicaceae). <i>Global Change Biology</i> , 2015, 21, 1689-1703.	9.5	87
17	Neotropical fish-fruit interactions: eco-evolutionary dynamics and conservation. <i>Biological Reviews</i> , 2015, 90, 1263-1278.	10.4	85
18	Phenological responses to multiple environmental drivers under climate change: insights from a long-term observational study and a manipulative field experiment. <i>New Phytologist</i> , 2018, 218, 517-529.	7.3	82

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19	Plant adaptation to climate change—Where are we?. <i>Journal of Systematics and Evolution</i> , 2020, 58, 533-545.	3.1	82
20	Identifying targets and agents of selection: innovative methods to evaluate the processes that contribute to local adaptation. <i>Methods in Ecology and Evolution</i> , 2017, 8, 738-749.	5.2	79
21	Overfishing disrupts an ancient mutualism between frugivorous fishes and plants in Neotropical wetlands. <i>Biological Conservation</i> , 2015, 191, 159-167.	4.1	78
22	STRONG SELECTION GENOME-WIDE ENHANCES FITNESS TRADE-OFFS ACROSS ENVIRONMENTS AND EPISODES OF SELECTION. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 16-31.	2.3	77
23	Integrating viability and fecundity selection to illuminate the adaptive nature of genetic clines. <i>Evolution Letters</i> , 2017, 1, 26-39.	3.3	66
24	Global urban environmental change drives adaptation in white clover. <i>Science</i> , 2022, 375, 1275-1281.	12.6	62
25	Microgeographic Patterns of Genetic Divergence and Adaptation across Environmental Gradients in <i>Boechera stricta</i> (Brassicaceae). <i>American Naturalist</i> , 2015, 186, S60-S73.	2.1	61
26	Natural variation, differentiation, and genetic trade-offs of ecophysiological traits in response to water limitation in <i>Brachypodium distachyon</i> and its descendent allotetraploid <i>B. hybridum</i> (Poaceae). <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 2689-2704.	2.3	60
27	Ecological genetics and genomics of plant defences: evidence and approaches. <i>Functional Ecology</i> , 2011, 25, 312-324.	3.6	54
28	Ecological causes and consequences of flower color polymorphism in a self-pollinating plant (<i>Boechera stricta</i>). <i>New Phytologist</i> , 2018, 218, 380-392.	7.3	48
29	DEMOGRAPHIC SOURCE-SINK DYNAMICS RESTRICT LOCAL ADAPTATION IN ELLIOTT'S BLUEBERRY (<i>VACCINIUM ELLIOTTII</i>). <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 370-384.	2.3	40
30	Transgenerational and Within-Generation Plasticity in Response to Climate Change: Insights from a Manipulative Field Experiment across an Elevational Gradient. <i>American Naturalist</i> , 2018, 192, 698-714.	2.1	39
31	Stability and generalization in seed dispersal networks: a case study of frugivorous fish in Neotropical wetlands. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20161267.	2.6	36
32	Phenological shifts of native and invasive species under climate change: insights from the <i>Boechera</i> "Lythrum" model. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160032.	4.0	34
33	Review: Plant eco-evolutionary responses to climate change: Emerging directions. <i>Plant Science</i> , 2021, 304, 110737.	3.6	31
34	Climate change shifts natural selection and the adaptive potential of the perennial forb <i>Boechera stricta</i> in the Rocky Mountains. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 2247-2262.	2.3	30
35	Small spaces, big impacts: contributions of micro-environmental variation to population persistence under climate change. <i>AoB PLANTS</i> , 2020, 12, plaa005.	2.3	28
36	Defaunation shadow on mutualistic interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2673-E2675.	7.1	23

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37	Unifying Genetic Canalization, Genetic Constraint, and Genotype-by-Environment Interaction: QTL by Genomic Background by Environment Interaction of Flowering Time in <i>Boechera stricta</i> . <i>PLoS Genetics</i> , 2014, 10, e1004727.	3.5	22
38	Experimental studies of adaptation in <i>Clarkia xantiana</i> . III. Phenotypic selection across a subspecies border. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 2249-2261.	2.3	21
39	Limited flooding tolerance of juveniles restricts the distribution of adults in an understory shrub (<i>Itea virginica</i> ; Iteaceae). <i>American Journal of Botany</i> , 2009, 96, 1603-1611.	1.7	19
40	Water and fish select for fleshy fruits in tropical wetland forests. <i>Biotropica</i> , 2018, 50, 312-318.	1.6	14
41	Implications of overfishing of frugivorous fishes for cryptic function loss in a Neotropical floodplain. <i>Journal of Applied Ecology</i> , 2021, 58, 1499-1510.	4.0	13
42	Positive density dependence in seedlings of the neotropical tree species <i>Garcinia macrophylla</i> and <i>Xylopia micans</i> . <i>Journal of Vegetation Science</i> , 2009, 20, 27-36.	2.2	12
43	Selection favors adaptive plasticity in a long-term reciprocal transplant experiment. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 1711-1726.	2.3	12
44	Fruit preferences by fishes in a Neotropical floodplain. <i>Biotropica</i> , 2020, 52, 1131-1141.	1.6	9
45	Resource availability alters fitness trade-offs: implications for evolution in stressful environments. <i>American Journal of Botany</i> , 2020, 107, 308-318.	1.7	9
46	Natural history collections document biological responses to climate change. <i>Global Change Biology</i> , 2020, 26, 340-342.	9.5	8
47	Costs of reproduction under experimental climate change across elevations in the perennial forb <i>Boechera stricta</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20203134.	2.6	8
48	Eco-evolutionary causes and consequences of rarity in plants: a meta-analysis. <i>New Phytologist</i> , 2022, 235, 1272-1286.	7.3	6
49	Phenotypic plasticity and genetic diversity elucidate rarity and vulnerability of an endangered riparian plant. <i>Ecosphere</i> , 2022, 13, .	2.2	6
50	Phenotypic plasticity despite source-sink population dynamics in a long-lived perennial plant. <i>New Phytologist</i> , 2010, 188, 856-867.	7.3	5
51	Beyond QTL Cloning. <i>PLoS Genetics</i> , 2010, 6, e1001197.	3.5	4
52	Plant reproductive fitness and phenology responses to climate warming: Results from native populations, communities, and ecosystems. , 2019, , 61-102.		3
53	Genetic trade-offs and unexpected life history traits shape local adaptation in <i>Trifolium repens</i> . <i>Molecular Ecology</i> , 0, , .	3.9	3
54	Evolutionary consequences of climate change. , 2019, , 29-59.		1