

Randall J Mitchell

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1418630/publications.pdf>

Version: 2024-02-01

68
papers

7,200
citations

81743

39
h-index

106150

65
g-index

68
all docs

68
docs citations

68
times ranked

5130
citing authors

#	ARTICLE	IF	CITATIONS
1	POLLEN LIMITATION OF PLANT REPRODUCTION: ECOLOGICAL AND EVOLUTIONARY CAUSES AND CONSEQUENCES. <i>Ecology</i> , 2004, 85, 2408-2421.	1.5	1,004
2	Pollen Limitation of Plant Reproduction: Pattern and Process. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2005, 36, 467-497.	3.8	888
3	COMPETITION FOR POLLINATION BETWEEN AN INVASIVE SPECIES (PURPLE LOOSESTRIFE) AND A NATIVE CONGENER. <i>Ecology</i> , 2002, 83, 2328-2336.	1.5	356
4	New frontiers in competition for pollination. <i>Annals of Botany</i> , 2009, 103, 1403-1413.	1.4	352
5	Worldwide evidence of a unimodal relationship between productivity and plant species richness. <i>Science</i> , 2015, 349, 302-305.	6.0	315
6	Testing Evolutionary and Ecological Hypotheses Using Path Analysis and Structural Equation Modelling. <i>Functional Ecology</i> , 1992, 6, 123.	1.7	287
7	Competition for pollination: effects of pollen of an invasive plant on seed set of a native congener. <i>Oecologia</i> , 2001, 129, 43-49.	0.9	244
8	COMPONENTS OF PHENOTYPIC SELECTION: POLLEN EXPORT AND FLOWER COROLLA WIDTH IN <i>IPOMOPSIS AGGREGATA</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1991, 45, 1458-1467.	1.1	231
9	The influence of <i>Mimulus ringens</i> floral display size on pollinator visitation patterns. <i>Functional Ecology</i> , 2004, 18, 116-124.	1.7	212
10	INTERSPECIFIC COMPETITION FOR POLLINATION LOWERS SEED PRODUCTION AND OUTCROSSING IN <i>MIMULUS RINGENS</i> . <i>Ecology</i> , 2005, 86, 762-771.	1.5	173
11	Ecology and evolution of plant-pollinator interactions. <i>Annals of Botany</i> , 2009, 103, 1355-1363.	1.4	172
12	Effects of experimental manipulation of inflorescence size on pollination and pre-dispersal seed predation in the hummingbird-pollinated plant <i>Ipomopsis aggregata</i> . <i>Oecologia</i> , 1997, 110, 86-93.	0.9	165
13	Using path analysis to measure natural selection. <i>Journal of Evolutionary Biology</i> , 2000, 13, 423-433.	0.8	160
14	Effects of Floral Traits, Pollinator Visitation, and Plant Size on <i>Ipomopsis aggregata</i> Fruit Production. <i>American Naturalist</i> , 1994, 143, 870-889.	1.0	151
15	ADAPTIVE SIGNIFICANCE OF <i>IPOMOPSIS AGGREGATA</i> NECTAR PRODUCTION: OBSERVATION AND EXPERIMENT IN THE FIELD. <i>Evolution; International Journal of Organic Evolution</i> , 1993, 47, 25-35.	1.1	139
16	Plant Mating Systems Often Vary Widely Among Populations. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	1.1	130
17	Adaptive Significance of <i>Ipomopsis Aggregata</i> Nectar Production: Pollination Success of Single Flowers. <i>Ecology</i> , 1992, 73, 633-638.	1.5	120
18	The influence of floral display size on selfing rates in <i>Mimulus ringens</i> . <i>Heredity</i> , 2004, 92, 242-248.	1.2	119

#	ARTICLE	IF	CITATIONS
19	Reproductive Success Increases with Local Density of Conspecifics in a Desert Mustard (<i>Lesquerella fendleri</i>). <i>Conservation Biology</i> , 1997, 11, 738-746.	0.784314	117
20	Components of Phenotypic Selection: Pollen Export and Flower Corolla Width in <i>Ipomopsis aggregata</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1991, 45, 1458.	1.1	105
21	Effects of floral display size on male and female reproductive success in <i>Mimulus ringens</i> . <i>Annals of Botany</i> , 2012, 109, 563-570.	1.4	104
22	New perspectives on the evolution of plant mating systems. <i>Annals of Botany</i> , 2012, 109, 493-503.	1.4	99
23	Heritability of floral traits for the perennial wild flower <i>Penstemon centranthifolius</i> (Scrophulariaceae): clones and crosses. <i>Heredity</i> , 1993, 71, 185-192.	1.2	96
24	Pollinator visitation patterns strongly influence among-flower variation in selfing rate. <i>Annals of Botany</i> , 2009, 103, 1379-1383.	1.4	94
25	HERITABILITY OF NECTAR TRAITS: WHY DO WE KNOW SO LITTLE?. <i>Ecology</i> , 2004, 85, 1527-1533.	1.5	87
26	Interspecific pollinator movements reduce pollen deposition and seed production in <i>Mimulus ringens</i> (Phrymaceae). <i>American Journal of Botany</i> , 2009, 96, 809-815.	0.8	83
27	Ovule number per flower in a world of unpredictable pollination. <i>American Journal of Botany</i> , 2009, 96, 1159-1167.	0.8	81
28	Do surface plant and soil seed bank populations differ genetically? a multipopulation study of the desert mustard <i>Lesquerella fendleri</i> (Brassicaceae). <i>American Journal of Botany</i> , 1998, 85, 1098-1109.	0.8	76
29	Effects of pollination intensity on <i>Lesquerella fendleri</i> seed set: variation among plants. <i>Oecologia</i> , 1997, 109, 382-388.	0.9	63
30	Multiple pollinator visits to <i>Mimulus ringens</i> (Phrymaceae) flowers increase mate number and seed set within fruits. <i>American Journal of Botany</i> , 2006, 93, 1306-1312.	0.8	63
31	The demographic role of soil seed banks. II. Investigations of the fate of experimental seeds of the desert mustard <i>Lesquerella fendleri</i> . <i>Journal of Ecology</i> , 2000, 88, 293-302.	1.9	61
32	Adaptive Significance of <i>Ipomopsis aggregata</i> Nectar Production: Observation and Experiment in the Field. <i>Evolution; International Journal of Organic Evolution</i> , 1993, 47, 25.	1.1	60
33	Increased relative abundance of an invasive competitor for pollination, <i>Lythrum salicaria</i> , reduces seed number in <i>Mimulus ringens</i> . <i>Oecologia</i> , 2010, 164, 445-454.	0.9	58
34	Effects of Population Size and Density on Pollinator Visitation, Pollinator Behavior, and Pollen Tube Abundance in <i>Lupinus perennis</i> . <i>International Journal of Plant Sciences</i> , 2008, 169, 944-953.	0.6	50
35	Nectar Standing Crops in <i>Delphinium Nelsonii</i> Flowers: Spatial Autocorrelation among Plants?. <i>Ecology</i> , 1990, 71, 116-123.	1.5	45
36	EFFECTS OF POLLEN QUANTITY ON PROGENY VIGOR: EVIDENCE FROM THE DESERT MUSTARD <i>LESQUERELLA FENDLERI</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1997, 51, 1679-1684.	1.1	45

#	ARTICLE	IF	CITATIONS
37	Pollinator Selection, Quantitative Genetics, and Predicted Evolutionary Responses of Floral Traits in <i>Penstemon centranthifolius</i> (Scrophulariaceae). <i>International Journal of Plant Sciences</i> , 1998, 159, 331-337.	0.6	43
38	Influence of pollinator grooming on pollen-mediated gene dispersal in <i>Mimulus ringens</i> (Phrymaceae). <i>Plant Species Biology</i> , 2012, 27, 77-85.	0.6	43
39	Effects of nectar volume and concentration on sugar intake rates of Australian honeyeaters (Meliphagidae). <i>Oecologia</i> , 1990, 83, 238-246.	0.9	41
40	Effects of multiple competitors for pollination on bumblebee foraging patterns and <i>Mimulus ringens</i> reproductive success. <i>Oikos</i> , 2011, 120, 200-207.	1.2	38
41	Patterns of multiple paternity in fruits of <i>Mimulus ringens</i> (Phrymaceae). <i>American Journal of Botany</i> , 2005, 92, 885-890.	0.8	36
42	Nonrandom mating and sexual selection in a desert mustard: an experimental approach. <i>American Journal of Botany</i> , 1998, 85, 48-55.	0.8	34
43	Pollination success following loss of a frequent pollinator: the role of compensatory visitation by other effective pollinators. <i>AoB PLANTS</i> , 2017, 9, plx020.	1.2	30
44	Influence of Pollen Transport Dynamics on Sire Profiles and Multiple Paternity in Flowering Plants. <i>PLoS ONE</i> , 2013, 8, e76312.	1.1	27
45	Habitat Preference and Phenology of Nest Seeking and Foraging Spring Bumble Bee Queens in Northeastern North America (Hymenoptera: Apidae: <i>Bombus</i>). <i>American Midland Naturalist</i> , 2019, 182, 131.	0.2	25
46	Pollination intensity and paternity in flowering plants. <i>Annals of Botany</i> , 2020, 125, 1-9.	1.4	24
47	Effects of population size on performance and inbreeding depression in <i>Lupinus perennis</i> . <i>Oecologia</i> , 2008, 154, 651-661.	0.9	23
48	Effects of pollination method on paternal success in <i>Lesquerella fendleri</i> (Brassicaceae). <i>American Journal of Botany</i> , 1995, 82, 462-467.	0.8	20
49	Predicting evolutionary consequences of pollinator declines: the long and short of floral evolution. <i>New Phytologist</i> , 2008, 177, 576-579.	3.5	20
50	Forecasting climate change impacts on the distribution of wetland habitat in the Midwestern United states. <i>Global Change Biology</i> , 2015, 21, 766-776.	4.2	20
51	Effects of Pollen Quantity on Progeny Vigor: Evidence from the Desert Mustard <i>Lesquerella fendleri</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1997, 51, 1679.	1.1	18
52	GENETIC EFFECTS OF GERMINATION TIMING AND ENVIRONMENT: AN EXPERIMENTAL INVESTIGATION. <i>Evolution; International Journal of Organic Evolution</i> , 1997, 51, 1427-1434.	1.1	18
53	Selfing rates vary with floral display, pollinator visitation and plant density in natural populations of <i>Mimulus ringens</i> . <i>Journal of Evolutionary Biology</i> , 2021, 34, 803-815.	0.8	18
54	Not a melting pot: Plant species aggregate in their non-native range. <i>Global Ecology and Biogeography</i> , 2020, 29, 482-490.	2.7	16

#	ARTICLE	IF	CITATIONS
55	Effects of pollination and postpollination processes on selfing rate in <i>Mimulus ringens</i> . American Journal of Botany, 2016, 103, 1524-1528.	0.8	15
56	Hermaphroditism promotes mate diversity in flowering plants. American Journal of Botany, 2019, 106, 1131-1136.	0.8	14
57	Using bud pollinations to avoid self-incompatibility: implications from studies of three mustards. Canadian Journal of Botany, 1996, 74, 285-289.	1.2	12
58	Bumble bee species distributions and habitat associations in the Midwestern USA, a region of declining diversity. Biodiversity and Conservation, 2021, 30, 865-887.	1.2	12
59	Do Plants Derived from Seeds that Readily Germinate Differ from Plants Derived from Seeds that Require Forcing to Germinate? A Case Study of the Desert Mustard <i>Lesquerella fendleri</i> . American Midland Naturalist, 1997, 138, 121.	0.2	10
60	Effects of pollination method on paternal success in <i>Lesquerella fendleri</i> (Brassicaceae). , 1995, 82, 462.		8
61	Characterization of 42 polymorphic microsatellite loci in <i>Mimulus ringens</i> (Phrymaceae) using Illumina sequencing. American Journal of Botany, 2012, 99, e477-80.	0.8	6
62	Species concepts. Nature, 1993, 364, 20-20.	13.7	5
63	Genetic Effects of Germination Timing and Environment: An Experimental Investigation. Evolution; International Journal of Organic Evolution, 1997, 51, 1427.	1.1	5
64	Response to Comment on "Worldwide evidence of a unimodal relationship between productivity and plant species richness". Science, 2016, 351, 457-457.	6.0	5
65	Nutrient amendments in a temperate grassland have greater negative impacts on early season and exotic plant species. Plant Ecology, 2011, 212, 853-864.	0.7	4
66	Edge effects and mating patterns in a bumblebee-pollinated plant. AoB PLANTS, 2020, 12, plaa033.	1.2	3
67	COMPETITION FOR POLLINATION BETWEEN AN INVASIVE SPECIES (PURPLE LOOSESTRIFE) AND A NATIVE CONGENER. , 2002, 83, 2328.		2
68	Pre-meeting Conference; The Ecology and Evolution of Plant-Pollinator Interactions. Bulletin of the Ecological Society of America, 2008, 89, 481-484.	0.2	0