

Susan J Mazer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1475821/publications.pdf>

Version: 2024-02-01

77
papers

5,097
citations

136950

32
h-index

91884

69
g-index

79
all docs

79
docs citations

79
times ranked

4643
citing authors

#	ARTICLE	IF	CITATIONS
1	Geographic variation in offspring size: Long-term and short-term climate affect mean seed mass of <i>Streptanthus</i> populations. <i>Ecology</i> , 2022, 103, e3698.	3.2	4
2	Context-dependent concordance between physiological divergence and phenotypic selection in sister taxa with contrasting phenology and mating systems. <i>American Journal of Botany</i> , 2022, 109, 1757-1779.	1.7	1
3	Advancing frost dates have reduced frost risk among most North American angiosperms since 1980. <i>Global Change Biology</i> , 2021, 27, 165-176.	9.5	21
4	Trade-off drives Pareto optimality of within- and among-year emergence timing in response to increasing aridity. <i>Evolutionary Applications</i> , 2021, 14, 658-673.	3.1	2
5	Region-specific phenological sensitivities and rates of climate warming generate divergent temporal shifts in flowering date across a species' range. <i>American Journal of Botany</i> , 2021, 108, 1873-1888.	1.7	16
6	Machine Learning Undercounts Reproductive Organs on Herbarium Specimens but Accurately Derives Their Quantitative Phenological Status: A Case Study of <i>Streptanthus tortuosus</i> . <i>Plants</i> , 2021, 10, 2471.	3.5	6
7	PHENOLOGICAL SENSITIVITIES TO CLIMATE ARE SIMILAR IN TWO CLARKIA CONGENERS: INDIRECT EVIDENCE FOR FACILITATION, CONVERGENCE, NICHE CONSERVATISM, OR GENETIC CONSTRAINTS. <i>Madoño</i> , 2021, 68, .	0.4	12
8	PHENOLOGICAL TRENDS IN THE CALIFORNIA POPPY (<i>ESCHSCHOLZIA CALIFORNICA</i>): DIGITIZED HERBARIUM SPECIMENS REVEAL INTRASPECIFIC VARIATION IN THE SENSITIVITY OF FLOWERING DATE TO CLIMATE CHANGE. <i>Madoño</i> , 2021, 68, .	0.4	14
9	Mating system and historical climate conditions affect population mean seed mass: Evidence for adaptation and a new component of the selfing syndrome in <i>Clarkia</i> . <i>Journal of Ecology</i> , 2020, 108, 1523-1539.	4.0	11
10	A new fine-grained method for automated visual analysis of herbarium specimens: A case study for phenological data extraction. <i>Applications in Plant Sciences</i> , 2020, 8, e11368.	2.1	27
11	Machine Learning Using Digitized Herbarium Specimens to Advance Phenological Research. <i>BioScience</i> , 2020, 70, 610-620.	4.9	61
12	Climate Predicts UV Floral Pattern Size, Anthocyanin Concentration, and Pollen Performance in <i>Clarkia unguiculata</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 847.	3.6	20
13	Sex-specific floral attraction traits in a sequentially hermaphroditic species. <i>Ecology and Evolution</i> , 2020, 10, 1856-1875.	1.9	6
14	2020 CBS BANQUET AT UC SANTA CRUZ. <i>Madoño</i> , 2020, 66, 194.	0.4	0
15	A new phenological metric for use in phenoclimatic models: A case study using herbarium specimens of <i>Streptanthus tortuosus</i> . <i>Applications in Plant Sciences</i> , 2019, 7, e11276.	2.1	14
16	Pollinator limitation causes sexual reproductive failure in <i>ex situ</i> populations of self-compatible <i>Iris ensata</i> . <i>Plant Ecology and Diversity</i> , 2019, 12, 21-35.	2.4	8
17	Floral traits influence the opportunity for selection among male gametophytes: independent and combined effects of style length and petal area. <i>American Journal of Botany</i> , 2019, 106, 744-753.	1.7	2
18	Heteranthery in <i>Clarkia</i> : pollen performance of dimorphic anthers contradicts expectations. <i>American Journal of Botany</i> , 2019, 106, 598-603.	1.7	9

#	ARTICLE	IF	CITATIONS
19	PhenoForecaster: A software package for the prediction of flowering phenology. Applications in Plant Sciences, 2019, 7, e01230.	2.1	13
20	Climate affects the rate at which species successively flower: Capturing an emergent property of regional floras. Global Ecology and Biogeography, 2019, 28, 1078.	5.8	9
21	Testing mechanisms of compensatory fitness of dioecy in a cosexual world. Journal of Vegetation Science, 2019, 30, 413-426.	2.2	2
22	2019 GRADUATE STUDENT SYMPOSIUM AT CAL POLY, SAN LUIS OBISPO. Madroño, 2019, 66, 36.	0.4	0
23	Digitization protocol for scoring reproductive phenology from herbarium specimens of seed plants. Applications in Plant Sciences, 2018, 6, e1022.	2.1	46
24	Divergence in pollen performance between <i>Clarkia</i> sister species with contrasting mating systems supports predictions of sexual selection. Evolution; International Journal of Organic Evolution, 2018, 72, 453-472.	2.3	24
25	Could seasonally deteriorating environments favour the evolution of autogamous selfing and a drought escape physiology through indirect selection? A test of the time limitation hypothesis using artificial selection in <i>Clarkia</i> . Annals of Botany, 2018, 121, 753-766.	2.9	11
26	Overlooked climate parameters best predict flowering onset: Assessing phenological models using the elastic net. Global Change Biology, 2018, 24, 5972-5984.	9.5	40
27	2018 CBS Banquet at UC Davis. Madroño, 2018, 65, 65-65.	0.4	0
28	Old Plants, New Tricks: Phenological Research Using Herbarium Specimens. Trends in Ecology and Evolution, 2017, 32, 531-546.	8.7	232
29	Phenological responsiveness to climate differs among four species of <i>Quercus</i> in North America. Journal of Ecology, 2017, 105, 1610-1622.	4.0	42
30	Historical changes in flowering phenology are governed by temperature–precipitation interactions in a widespread perennial herb in western North America. New Phytologist, 2016, 210, 157-167.	7.3	69
31	The plant phenology monitoring design for The National Ecological Observatory Network. Ecosphere, 2016, 7, e01303.	2.2	72
32	Pollen—Tiny and ephemeral but not forgotten: New ideas on their ecology and evolution. American Journal of Botany, 2016, 103, 365-374.	1.7	31
33	Nitrogen:phosphorous supply ratio and allometry in five alpine plant species. Ecology and Evolution, 2016, 6, 8881-8892.	1.9	61
34	Outcrossing and photosynthetic rates vary independently within two <i>Clarkia</i> species: implications for the joint evolution of drought escape physiology and mating system. Annals of Botany, 2016, 118, 897-905.	2.9	22
35	GC-TOF-MS based metabolomics and ICP-MS based metallomics of cucumber (<i>Cucumis sativus</i>) fruits reveal alteration of metabolites profile and biological pathway disruption induced by nano copper. Environmental Science: Nano, 2016, 3, 1114-1123.	4.3	58
36	Seed set variation in wild <i>Clarkia</i> populations: teasing apart the effects of seasonal resource depletion, pollen quality, and pollen quantity. Ecology and Evolution, 2016, 6, 6524-6536.	1.9	14

#	ARTICLE	IF	CITATIONS
37	How climate change affects plants' sex lives. <i>Science</i> , 2016, 353, 32-33.	12.6	19
38	Geographic variation in climate as a proxy for climate change: Forecasting evolutionary trajectories from species differentiation and genetic correlations. <i>American Journal of Botany</i> , 2016, 103, 140-152.	1.7	15
39	Project Baseline: An unprecedented resource to study plant evolution across space and time. <i>American Journal of Botany</i> , 2016, 103, 164-173.	1.7	58
40	Winning in style: Longer styles receive more pollen, but style length does not affect pollen attrition in wild <i>Clarkia</i> populations. <i>American Journal of Botany</i> , 2016, 103, 408-422.	1.7	23
41	Environmental Stresses Increase Photosynthetic Disruption by Metal Oxide Nanomaterials in a Soil-Grown Plant. <i>ACS Nano</i> , 2015, 9, 11737-11749.	14.6	96
42	Species-specific phenological responses to winter temperature and precipitation in a water-limited ecosystem. <i>Ecosphere</i> , 2015, 6, 1-27.	2.2	41
43	Soil heterogeneity and the distribution of native grasses in California: Can soil properties inform restoration plans?. <i>Ecosphere</i> , 2014, 5, 1-14.	2.2	4
44	Phylogenetic conservatism in plant phenology. <i>Journal of Ecology</i> , 2013, 101, 1520-1530.	4.0	182
45	The California Phenology Project: Tracking Plant Responses to Climate Change. <i>Madroño</i> , 2013, 60, 1-3.	0.4	11
46	Flowering date of taxonomic families predicts phenological sensitivity to temperature: Implications for forecasting the effects of climate change on unstudied taxa. <i>American Journal of Botany</i> , 2013, 100, 1381-1397.	1.7	54
47	Sensitivity of Spring Phenology to Warming Across Temporal and Spatial Climate Gradients in Two Independent Databases. <i>Ecosystems</i> , 2012, 15, 1283-1294.	3.4	107
48	Local Adaptation and the Effects of Grazing on the Performance of <i>Nassella pulchra</i> : Implications for Seed Sourcing in Restoration. <i>Restoration Ecology</i> , 2012, 20, 688-695.	2.9	19
49	Reproductive allometry in <i>Pedicularis</i> species changes with elevation. <i>Journal of Ecology</i> , 2012, 100, 452-458.	4.0	32
50	Geographic variation in seed mass within and among nine species of <i>Pedicularis</i> (Orobanchaceae): effects of elevation, plant size and seed number per fruit. <i>Journal of Ecology</i> , 2010, 98, 1232-1242.	4.0	79
51	Geographic variation in primary sex allocation per flower within and among 12 species of <i>Pedicularis</i> (Orobanchaceae): Proportional male investment increases with elevation. <i>American Journal of Botany</i> , 2010, 97, 1334-1341.	1.7	27
52	Physiological Performance in <i>Clarkia</i> Sister Taxa with Contrasting Mating Systems: Do Early-Flowering Autogamous Taxa Avoid Water Stress Relative to Their Pollinator-Dependent Counterparts?. <i>International Journal of Plant Sciences</i> , 2010, 171, 1029-1047.	1.3	49
53	Size-dependent pollen:ovule ratios and the allometry of floral sex allocation in <i>Clarkia</i> (Onagraceae) taxa with contrasting mating systems. <i>American Journal of Botany</i> , 2009, 96, 968-978.	1.7	20
54	Seed mass, abundance and breeding system among tropical forest species: do dioecious species exhibit compensatory reproduction or abundances?. <i>Journal of Ecology</i> , 2009, 97, 555-566.	4.0	45

#	ARTICLE	IF	CITATIONS
55	Stability of pollen:ovule ratios in pollinator-dependent versus autogamous <i>Clarkia</i> sister taxa: testing evolutionary predictions. <i>New Phytologist</i> , 2009, 183, 630-648.	7.3	29
56	Local Adaptation and Effects of Grazing among Seedlings of Two Native California Bunchgrass Species: Implications for Restoration. <i>Restoration Ecology</i> , 2008, 16, 59-69.	2.9	25
57	Allee effects within small populations of <i>Aconitum napellus</i> ssp. <i>lusitanicum</i> , a protected subspecies in northern France. <i>New Phytologist</i> , 2008, 179, 1171-1182.	7.3	43
58	EVOLUTION OF MATING SYSTEM AND THE GENETIC COVARIANCE BETWEEN MALE AND FEMALE INVESTMENT IN CLARKIA (ONAGRACEAE): SELFING OPPOSES THE EVOLUTION OF TRADE-OFFS. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 83-98.	2.3	19
59	Evolving plans for the USA National Phenology Network. <i>Eos</i> , 2007, 88, 211-211.	0.1	23
60	Pollen Limitation of Plant Reproduction: Pattern and Process. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2005, 36, 467-497.	8.3	888
61	Life history, floral development, and mating system in <i>Clarkia xantiana</i> (Onagraceae): do floral and whole-plant rates of development evolve independently?. <i>American Journal of Botany</i> , 2004, 91, 2041-2050.	1.7	47
62	POLLEN LIMITATION OF PLANT REPRODUCTION: ECOLOGICAL AND EVOLUTIONARY CAUSES AND CONSEQUENCES. <i>Ecology</i> , 2004, 85, 2408-2421.	3.2	1,004
63	Relationship between genetic structure and seed and pollen dispersal in the endangered orchid <i>Spiranthes spiralis</i> . <i>New Phytologist</i> , 2003, 157, 677-687.	7.3	83
64	TRADE-OFFS BETWEEN MALE AND FEMALE REPRODUCTION ASSOCIATED WITH ALLOZYME VARIATION IN PHOSPHOGLUCOISOMERASE IN AN ANNUAL PLANT (CLARKIA UNGUICULATA: ONAGRACEAE). <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 2421-2428.	2.3	12
65	Size-dependent sex allocation within flowers of the annual herb <i>Clarkia unguiculata</i> (Onagraceae): ontogenetic and among-plant variation. <i>American Journal of Botany</i> , 2001, 88, 819-831.	1.7	57
66	The absence of cryptic self-incompatibility in <i>Clarkia unguiculata</i> (Onagraceae). <i>American Journal of Botany</i> , 2000, 87, 191-196.	1.7	13
67	SEED MASS, SEEDLING EMERGENCE, AND ENVIRONMENTAL FACTORS IN SEVEN RAIN FOREST PSYCHOTRIA (RUBIACEAE). <i>Ecology</i> , 1999, 80, 1594-1606.	3.2	48
68	RESPONSES OF FLORAL TRAITS TO SELECTION ON PRIMARY SEXUAL INVESTMENT IN <i>SPERGULARIA MARINA</i> : THE BATTLE BETWEEN THE SEXES. <i>Evolution; International Journal of Organic Evolution</i> , 1999, 53, 717-731.	2.3	58
69	Contrasting variation within and covariation between gender-related traits in autogamous versus outcrossing species: Alternative evolutionary predictions. <i>Evolutionary Ecology</i> , 1998, 12, 403-425.	1.2	26
70	TEMPORAL INSTABILITY OF GENETIC COMPONENTS OF FLORAL TRAIT VARIATION: MATERNAL FAMILY AND POPULATION EFFECTS IN <i>SPERGULARIA MARINA</i> (CARYOPHYLLACEAE). <i>Evolution; International Journal of Organic Evolution</i> , 1996, 50, 2509-2515.	2.3	16
71	Seed mass of Indiana Dune genera and families: Taxonomic and ecological correlates. <i>Evolutionary Ecology</i> , 1990, 4, 326-357.	1.2	92
72	Ecological, Taxonomic, and Life History Correlates of Seed Mass Among Indiana Dune Angiosperms. <i>Ecological Monographs</i> , 1989, 59, 153-175.	5.4	266

#	ARTICLE	IF	CITATIONS
73	The Quantitative Genetics of Life History and Fitness Components in <i>Raphanus raphanistrum</i> L. (Brassicaceae): Ecological and Evolutionary Consequences of Seed-Weight Variation. <i>American Naturalist</i> , 1987, 130, 891-914.	2.1	185
74	PARENTAL EFFECTS ON SEED DEVELOPMENT AND SEED YIELD IN <i>RAPHANUS RAPHANISTRUM</i> : IMPLICATIONS FOR NATURAL AND SEXUAL SELECTION. <i>Evolution; International Journal of Organic Evolution</i> , 1987, 41, 355-371.	2.3	115
75	Maternal investment and male reproductive success in angiosperms: parent-offspring conflict or sexual selection?. <i>Biological Journal of the Linnean Society</i> , 1987, 30, 115-133.	1.6	27
76	FERTILIZATION DYNAMICS AND PARENTAL EFFECTS UPON FRUIT DEVELOPMENT IN <i>RAPHANUS RAPHANISTRUM</i> : CONSEQUENCES FOR SEED SIZE VARIATION. <i>American Journal of Botany</i> , 1986, 73, 500-511.	1.7	99
77	Fertilization Dynamics and Parental Effects Upon Fruit Development in <i>Raphanus raphanistrum</i> : Consequences for Seed Size Variation. <i>American Journal of Botany</i> , 1986, 73, 500.	1.7	36