Susan J Mazer

List of Publications by Year
in descending order

77	5,097	147566 31	91712 69
papers	citations	h-index	g-index

79	79	79	4643
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Geographic variation in offspring size: Longâ€•and shortâ€term climate affect mean seed mass of <i>Streptanthus</i> populations. Ecology, 2022, 103, e3698.	1.5	4
2	Contextâ€dependent concordance between physiological divergence and phenotypic selection in sister taxa with contrasting phenology and mating systems. American Journal of Botany, 2022, 109, 1757-1779.	0.8	1
3	Advancing frost dates have reduced frost risk among most North American angiosperms since 1980. Global Change Biology, 2021, 27, 165-176.	4.2	21
4	Tradeâ€off drives Pareto optimality of withinâ€•and amongâ€year emergence timing in response to increasing aridity. Evolutionary Applications, 2021, 14, 658-673.	1.5	2
5	Regionâ€specific phenological sensitivities and rates of climate warming generate divergent temporal shifts in flowering date across a species' range. American Journal of Botany, 2021, 108, 1873-1888.	0.8	16
6	Machine Learning Undercounts Reproductive Organs on Herbarium Specimens but Accurately Derives Their Quantitative Phenological Status: A Case Study of Streptanthus tortuosus. Plants, 2021, 10, 2471.	1.6	6
7	PHENOLOGICAL SENSITIVITIES TO CLIMATE ARE SIMILAR IN TWO CLARKIA CONGENERS: INDIRECT EVIDENCE FOR FACILITATION, CONVERGENCE, NICHE CONSERVATISM, OR GENETIC CONSTRAINTS. MadroÃ±o, 2021, 68, .	0.3	12
8	PHENOLOGICAL TRENDS IN THE CALIFORNIA POPPY (ESCHSCHOLZIA CALIFORNICA): DIGITIZED HERBARIUM SPECIMENS REVEAL INTRASPECIFIC VARIATION IN THE SENSITIVITY OF FLOWERING DATE TO CLIMATE CHANGE. MadroÃ±o, 2021, 68, .	0.3	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 Clarkia. Journal of Ecology, 2020, 108, 1523-1539.	1.9	11
10	A new fineâ€grained method for automated visual analysis of herbarium specimens: A case study for phenological data extraction. Applications in Plant Sciences, 2020, 8, e11368.	0.8	27
11	Machine Learning Using Digitized Herbarium Specimens to Advance Phenological Research. BioScience, 2020, 70, 610-620.	2.2	61
12	Climate Predicts UV Floral Pattern Size, Anthocyanin Concentration, and Pollen Performance in Clarkia unguiculata. Frontiers in Plant Science, 2020, 11, 847.	1.7	20
13	Sexâ€specific floral attraction traits in a sequentially hermaphroditic species. Ecology and Evolution, 2020, 10, 1856-1875.	0.8	6
14	2020 CBS BANQUET AT UC SANTA CRUZ. MadroÃ±o, 2020, 66, 194.	0.3	0
15	A new phenological metric for use in phenoâ€climatic models: A case study using herbarium specimens of Streptanthus tortuosus. Applications in Plant Sciences, 2019, 7, e11276.	0.8	14
16	Pollinator limitation causes sexual reproductive failure in <i>ex situ</i> populations of self-compatible <i>Iris ensata</i>. Plant Ecology and Diversity, 2019, 12, 21-35.	1.0	8
17	Floral traits influence the opportunity for selection among male gametophytes: independent and combined effects ofÂstyle length and petal area. American Journal of Botany, 2019, 106, 744-753.	0.8	2
18	Heteranthery in <i>Clarkia</i>: pollen performance of dimorphic anthers contradicts expectations. American Journal of Botany, 2019, 106, 598-603.	0.8	9

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19	PhenoForecaster: A software package for the prediction of flowering phenology. Applications in Plant Sciences, 2019, 7, e01230.	0.8	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.	2.7	9
21	Testing mechanisms of compensatory fitness of dioecy in a cosexual world. Journal of Vegetation Science, 2019, 30, 413-426.	1.1	2
22	2019 GRADUATE STUDENT SYMPOSIUM AT CAL POLY, SAN LUIS OBISPO. MadroÃ±o, 2019, 66, 36.	0.3	0
23	Digitization protocol for scoring reproductive phenology from herbarium specimens of seed plants. Applications in Plant Sciences, 2018, 6, e1022.	0.8	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.	1.1	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 Clarkia. Annals of Botany, 2018, 121, 753-766.	1.4	11
26	Overlooked climate parameters best predict flowering onset: Assessing phenological models using the elastic net. Global Change Biology, 2018, 24, 5972-5984.	4.2	40
27	2018 CBS Banquet at UC Davis. MadroÃ±o, 2018, 65, 65-65.	0.3	0
28	Old Plants, New Tricks: Phenological Research Using Herbarium Specimens. Trends in Ecology and Evolution, 2017, 32, 531-546.	4.2	232
29	Phenological responsiveness to climate differs among four species of <i>Quercus</i> in North America. Journal of Ecology, 2017, 105, 1610-1622.	1.9	42
30	Historical changes in flowering phenology are governed by temperatureÃ‚Ã—Ã‚precipitation interactions in a widespread perennial herb in western North America. New Phytologist, 2016, 210, 157-167.	3.5	69
31	The plant phenology monitoring design for The National Ecological Observatory Network. Ecosphere, 2016, 7, e01303.	1.0	72
32	Pollenâ€"Tiny and ephemeral but not forgotten: New ideas on their ecology and evolution. American Journal of Botany, 2016, 103, 365-374.	0.8	31
33	Nitrogen:phosphorous supply ratio and allometry in five alpine plant species. Ecology and Evolution, 2016, 6, 8881-8892.	0.8	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.	1.4	22
35	GC-TOF-MS based metabolomics and ICP-MS based metallomics of cucumber (Cucumis sativus) fruits reveal alteration of metabolites profile and biological pathway disruption induced by nano copper. Environmental Science: Nano, 2016, 3, 1114-1123.	2.2	58
36	Seed set variation in wild Clarkia populations: teasing apart the effects of seasonal resource depletion, pollen quality, and pollen quantity. Ecology and Evolution, 2016, 6, 6524-6536.	0.8	14

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37	How climate change affects plants' sex lives. Science, 2016, 353, 32-33.	6.0	19
38	Geographic variation in climate as a proxy for climate change: Forecasting evolutionary trajectories from species differentiation and genetic correlations. American Journal of Botany, 2016, 103, 140-152.	0.8	15
39	Project Baseline: An unprecedented resource to study plant evolution across space and time. American Journal of Botany, 2016, 103, 164-173.	0.8	58
40	Winning in style: Longer styles receive more pollen, but style length does not affect pollen attrition in wild Clarkia populations. American Journal of Botany, 2016, 103, 408-422.	0.8	23
41	Environmental Stresses Increase Photosynthetic Disruption by Metal Oxide Nanomaterials in a Soil-Grown Plant. ACS Nano, 2015, 9, 11737-11749.	7.3	96
42	Speciesâ€specific phenological responses to winter temperature and precipitation in a waterâ€limited ecosystem. Ecosphere, 2015, 6, 1-27.	1.0	41
43	Soil heterogeneity and the distribution of native grasses in California: Can soil properties inform restoration plans?. Ecosphere, 2014, 5, 1-14.	1.0	4
44	Phylogenetic conservatism in plant phenology. Journal of Ecology, 2013, 101, 1520-1530.	1.9	182
45	The California Phenology Project: Tracking Plant Responses to Climate Change. MadroÃ±o, 2013, 60, 1-3.	0.3	11
46	Flowering date of taxonomic families predicts phenological sensitivity to temperature: Implications for forecasting the effects of climate change on unstudied taxa. American Journal of Botany, 2013, 100, 1381-1397.	0.8	54
47	Sensitivity of Spring Phenology to Warming Across Temporal and Spatial Climate Gradients in Two Independent Databases. Ecosystems, 2012, 15, 1283-1294.	1.6	107
48	Local Adaptation and the Effects of Grazing on the Performance of <i>Nassella pulchra</i>: Implications for Seed Sourcing in Restoration. Restoration Ecology, 2012, 20, 688-695.	1.4	19
49	Reproductive allometry in <i>Pedicularis</i> species changes with elevation. Journal of Ecology, 2012, 100, 452-458.	1.9	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. Journal of Ecology, 2010, 98, 1232-1242.	1.9	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. American Journal of Botany, 2010, 97, 1334-1341.	0.8	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?. International Journal of Plant Sciences, 2010, 171, 1029-1047.	0.6	49
53	Sizeâ€dependent pollen:ovule ratios and the allometry of floral sex allocation in <i>Clarkia</i> (Onagraceae) taxa with contrasting mating systems. American Journal of Botany, 2009, 96, 968-978.	0.8	20
54	Seed mass, abundance and breeding system among tropical forest species: do dioecious species exhibit compensatory reproduction or abundances?. Journal of Ecology, 2009, 97, 555-566.	1.9	45

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55	Stability of pollenâ€“ovule ratios in pollinatorâ€dependent versus autogamous <i>Clarkia</i> sister taxa: testing evolutionary predictions. New Phytologist, 2009, 183, 630-648.	3.5	29
56	Local Adaptation and Effects of Grazing among Seedlings of Two Native California Bunchgrass Species: Implications for Restoration. Restoration Ecology, 2008, 16, 59-69.	1.4	25
57	Allee effects within small populations of<i>Aconitum napellus</i>ssp.<i>lusitanicum</i>, a protected subspecies in northern France. New Phytologist, 2008, 179, 1171-1182.	3.5	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. Evolution; International Journal of Organic Evolution, 2007, 61, 83-98.	1.1	19
59	Evolving plans for the USA National Phenology Network. Eos, 2007, 88, 211-211.	0.1	23
60	Pollen Limitation of Plant Reproduction: Pattern and Process. Annual Review of Ecology, Evolution, and Systematics, 2005, 36, 467-497.	3.8	888
61	Life history, floral development, and mating system in <i>Clarkia xantiana</i> (Onagraceae): do floral and wholeâ€plant rates of development evolve independently?. American Journal of Botany, 2004, 91, 2041-2050.	0.8	47
62	POLLEN LIMITATION OF PLANT REPRODUCTION: ECOLOGICAL AND EVOLUTIONARY CAUSES AND CONSEQUENCES. Ecology, 2004, 85, 2408-2421.	1.5	1,004
63	Relationship between genetic structure and seed and pollen dispersal in the endangered orchidSpiranthes spiralis. New Phytologist, 2003, 157, 677-687.	3.5	83
64	TRADE-OFFS BETWEEN MALE AND FEMALE REPRODUCTION ASSOCIATED WITH ALLOZYME VARIATION IN PHOSPHOGLUCOISOMERASE IN AN ANNUAL PLANT (CLARKIA UNGUICULATA: ONAGRACEAE). Evolution; International Journal of Organic Evolution, 2001, 55, 2421-2428.	1.1	12
65	Sizeâ€dependent sex allocation within flowers of the annual herb Clarkia unguiculata (Onagraceae): ontogenetic and amongâ€plant variation. American Journal of Botany, 2001, 88, 819-831.	0.8	57
66	The absence of cryptic selfâ€incompatibility in Clarkia unguiculata (Onagraceae). American Journal of Botany, 2000, 87, 191-196.	0.8	13
67	SEED MASS, SEEDLING EMERGENCE, AND ENVIRONMENTAL FACTORS IN SEVEN RAIN FORESTPSYCHOTRIA(RUBIACEAE). Ecology, 1999, 80, 1594-1606.	1.5	48
68	RESPONSES OF FLORAL TRAITS TO SELECTION ON PRIMARY SEXUAL INVESTMENT IN <i>SPERGULARIA MARINA</i> : THE BATTLE BETWEEN THE SEXES. Evolution; International Journal of Organic Evolution, 1999, 53, 717-731.	1.1	58
69	Contrasting variation within and covariation between gender-related traits in autogamous versus outcrossing species: Alternative evolutionary predictions. Evolutionary Ecology, 1998, 12, 403-425.	0.5	26
70	TEMPORAL INSTABILITY OF GENETIC COMPONENTS OF FLORAL TRAIT VARIATION: MATERNAL FAMILY AND POPULATION EFFECTS IN <i>SPERGULARIA MARINA</i> (CARYOPHYLLACEAE). Evolution; International Journal of Organic Evolution, 1996, 50, 2509-2515.	1.1	16
71	Seed mass of Indiana Dune genera and families: Taxonomic and ecological correlates. Evolutionary Ecology, 1990, 4, 326-357.	0.5	92
72	Ecological, Taxonomic, and Life History Correlates of Seed Mass Among Indiana Dune Angiosperms. Ecological Monographs, 1989, 59, 153-175.	2.4	266

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73	The Quantitative Genetics of Life History and Fitness Components in Raphanus raphanistrum L. (Brassicaceae): Ecological and Evolutionary Consequences of Seed-Weight Variation. American Naturalist, 1987, 130, 891-914.	1.0	185
74	PARENTAL EFFECTS ON SEED DEVELOPMENT AND SEED YIELD IN <i>RAPHANUS RAPHANISTRUM</i> : IMPLICATIONS FOR NATURAL AND SEXUAL SELECTION. Evolution; International Journal of Organic Evolution, 1987, 41, 355-371.	1.1	115
75	Maternal investment and male reproductive success in angiosperms: parent-offspring conflict or sexual selection?. Biological Journal of the Linnean Society, 1987, 30, 115-133.	0.7	27
76	FERTILIZATION DYNAMICS AND PARENTAL EFFECTS UPON FRUIT DEVELOPMENT IN RAPHANUS RAPHANISTRUM: CONSEQUENCES FOR SEED SIZE VARIATION. American Journal of Botany, 1986, 73, 500-511.	0.8	99
77	FERTILIZATION DYNAMICS AND PARENTAL EFFECTS UPON FRUIT DEVELOPMENT IN RAPHANUS RAPHANISTRUM: CONSEQUENCES FOR SEED SIZE VARIATION. , 1986, 73, 500.		36