Diane R Campbell

List of Publications by Year in Descending Order

118 papers	7,370 citations	44 h-index	84 g-index
120 ext. papers	8,074 ext. citations	4.3 avg, IF	6.09 L-index

#	Paper	IF	Citations
118	Selection of Floral Traits by Pollinators and Seed Predators during Sequential Life History Stages.. *American Naturalist*, **2022**, 199, 808-823	3.7	1
117	Earlier snow melt and reduced summer precipitation alter floral traits important to pollination. *Global Change Biology*, **2022**, 28, 323-339	11.4	0
116	Variation in floral volatiles across time, sexes, and populations of wind-pollinated Schiedea globosa.. *American Journal of Botany*, **2022**, 109, 345-360	2.7	0
115	Experimental Test of the Combined Effects of Water Availability and Flowering Time on Pollinator Visitation and Seed Set. *Frontiers in Ecology and Evolution*, **2021**, 9,	3.7	2
114	Unraveling the ecological and evolutionary impacts of a plant invader on the pollination of a native plant. *Biological Invasions*, **2021**, 23, 1533-1547	2.7	
113	Water availability affects the relationship between pollen intensity and seed production.. *AoB PLANTS*, **2021**, 13, plab074	2.9	
112	Global gradients in intraspecific variation in vegetative and floral traits are partially associated with climate and species richness. *Global Ecology and Biogeography*, **2020**, 29, 992-1007	6.1	13
111	Pollinator visitation rate and effectiveness vary with flowering phenology. *American Journal of Botany*, **2020**, 107, 445-455	2.7	6
110	Advanced phenology of intraguild predators shifts herbivore host plant preference and performance. *Ecological Entomology*, **2020**, 45, 1004-1014	2.1	
109	Floral Scent Composition and Fine-Scale Timing in Two Moth-Pollinated Hawaiian (Caryophyllaceae). *Frontiers in Plant Science*, **2020**, 11, 1116	6.2	5
108	Differences in Flowering Phenology Are Likely Not the Product of Competition for Pollination in Clarkia Communities. *International Journal of Plant Sciences*, **2019**, 180, 974-986	2.6	3
107	Early snowmelt projected to cause population decline in a subalpine plant. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 12901-12906	11.5	16
106	Water influences how seed production responds to conspecific and heterospecific pollen. *American Journal of Botany*, **2019**, 106, 713-721	2.7	4
105	Phenotypic plasticity of floral volatiles in response to increasing drought stress. *Annals of Botany*, **2019**, 123, 601-610	4.1	39
104	Clines in traits compared over two decades in a plant hybrid zone. *Annals of Botany*, **2018**, 122, 315-324	4.1	10
103	Shifts in water availability mediate plant-pollinator interactions. *New Phytologist*, **2017**, 215, 792-802	9.8	57
102	Is Plant Fitness Proportional to Seed Set? An Experiment and a Spatial Model. *American Naturalist*, **2017**, 190, 818-827	3.7	15

101	An enigmatic Hawaiian moth is a missing link in the adaptive radiation of Schiedea. *New Phytologist*, **2017**, 213, 1533-1542	9.8	6
100	Pollination of a native plant changes with distance and density of invasive plants in a simulated biological invasion. *American Journal of Botany*, **2016**, 103, 1458-65	2.7	19
99	Timing of invasive pollen deposition influences pollen tube growth and seed set in a native plant. *Biological Invasions*, **2016**, 18, 1701-1711	2.7	10
98	Reproductive isolation between Zaluzianskya species: the influence of volatiles and flower orientation on hawkmoth foraging choices. *New Phytologist*, **2016**, 210, 333-42	9.8	23
97	Improving our chemistry: challenges and opportunities in the interdisciplinary study of floral volatiles. *Natural Product Reports*, **2015**, 32, 893-903	15.1	15
96	Context-dependent reproductive isolation mediated by floral scent and color. *Evolution; International Journal of Organic Evolution*, **2015**, 69, 1-13	3.8	41
95	Natural selection on floral morphology can be influenced by climate. *Proceedings of the Royal Society B: Biological Sciences*, **2015**, 282, 20150178	4.4	29
94	Selection of trait combinations through bee and fly visitation to flowers of Polemonium foliosissimum. *Journal of Evolutionary Biology*, **2014**, 27, 325-36	2.3	15
93	Floral scent in natural hybrids of Ipomopsis (Polemoniaceae) and their parental species. *Annals of Botany*, **2014**, 113, 533-44	4.1	23
92	Soil fertility and parasitoids shape herbivore selection on plants. *Journal of Ecology*, **2014**, 102, 1120-1128	5.8	7
91	Floral neighborhood influences pollinator assemblages and effective pollination in a native plant. *Oecologia*, **2014**, 176, 465-76	2.9	31
90	The relative importance of solitary bees and syrphid flies as pollinators of two outcrossing plant species in the New Zealand alpine. *Austral Ecology*, **2013**, 38, 169-176	1.5	27
89	Selection for a floral trait is not mediated by pollen receipt even though seed set in the population is pollen-limited. *Functional Ecology*, **2013**, 27, 1117-1125	5.6	10
88	Measure for measure: comparing morphological and biomass traits for sex allocation in two gynodioecious species. *American Journal of Botany*, **2013**, 100, 1071-82	2.7	5
87	Altered precipitation affects plant hybrids differently than their parental species. *American Journal of Botany*, **2013**, 100, 1322-31	2.7	14
86	Geographical Variation in Hybridization of Ipomopsis (Polemoniaceae): Testing the Role of Photosynthetic Responses to Temperature and Water. *International Journal of Plant Sciences*, **2013**, 174, 57-64	2.6	2
85	Where have all the blue flowers gone: pollinator responses and selection on flower colour in New Zealand Wahlenbergia albomarginata. *Journal of Evolutionary Biology*, **2012**, 25, 352-64	2.3	24
84	Butterflies show flower colour preferences but not constancy in foraging at four plant species. *Ecological Entomology*, **2011**, 36, 290-300	2.1	31

83	Genetic variation and covariation in floral allocation of two species of Schiedea with contrasting levels of sexual dimorphism. *Evolution; International Journal of Organic Evolution*, **2011**, 65, 757-70	3.8	20
82	Density-dependent demographic responses of a semelparous plant to natural variation in seed rain. *Oikos*, **2010**, 119, 1929-1935	4	18
81	Photosynthetic and growth responses of reciprocal hybrids to variation in water and nitrogen availability. *American Journal of Botany*, **2010**, 97, 925-33	2.7	27
80	Flower color influences insect visitation in alpine New Zealand. *Ecology*, **2010**, 91, 2638-49	4.6	73
79	Using phenotypic manipulations to study multivariate selection of floral trait associations. *Annals of Botany*, **2009**, 103, 1557-66	4.1	44
78	Genetic and morphological patterns show variation in frequency of hybrids between Ipomopsis (Polemoniaceae) zones of sympatry. *Heredity*, **2009**, 102, 257-65	3.6	27
77	Physiological differences among two Penstemon species and their hybrids in field and common garden environments. *New Phytologist*, **2009**, 181, 478-488	9.8	14
76	Ovule number per flower in a world of unpredictable pollination. *American Journal of Botany*, **2009**, 96, 1159-67	2.7	63
75	Sexual dimorphism and the genetic potential for evolution of sex allocation in the gynodioecious plant, Schiedea salicaria. *Journal of Evolutionary Biology*, **2008**, 21, 18-29	2.3	15
74	Differential performance of reciprocal hybrids in multiple environments. *Journal of Ecology*, **2008**, 96, 1306-1318	6	42
73	Pollinator Shifts and the Origin and Loss of Plant Species1. *Annals of the Missouri Botanical Garden*, **2008**, 95, 264-274	1.8	16
72	Effects of Aggregation Size and Host Plant on the Survival of an Ant-Tended Membracid (Hemiptera: Membracidae): Potential Roles in Selecting for Generalized Host Plant Use. *Annals of the Entomological Society of America*, **2008**, 101, 70-78	2	4
71	Bridging the generation gap in plants: pollination, parental fecundity, and offspring demography. *Ecology*, **2008**, 89, 1596-604	4.6	50
70	Lifetime fitness in two generations of Ipomopsis hybrids. *Evolution; International Journal of Organic Evolution*, **2008**, 62, 2616-27	3.8	35
69	GENOTYPE-BY-ENVIRONMENT INTERACTION AND THE FITNESS OF PLANT HYBRIDS IN THE WILD. *Evolution; International Journal of Organic Evolution*, **2007**, 55, 669-676	3.8	23
68	Variation in pollinator preference between two Ipomopsis contact sites that differ in hybridization rate. *Evolution; International Journal of Organic Evolution*, **2007**, 61, 99-110	3.8	54
67	Leaf physiology reflects environmental differences and cytoplasmic background in Ipomopsis (Polemoniaceae) hybrids. *American Journal of Botany*, **2007**, 94, 1804-12	2.7	18
66	Evolutionary dynamics of an Ipomopsis hybrid zone: confronting models with lifetime fitness data. *American Naturalist*, **2007**, 169, 298-310	3.7	59

65	Sexually dimorphic inflorescence traits in a wind-pollinated species: heritabilities and genetic correlations in Schiedea adamantis (Caryophyllaceae). *American Journal of Botany*, **2007**, 94, 1716-25	2.7	9
64	Asymmetrical pollen success in Ipomopsis (Polemoniaceae) contact sites. *American Journal of Botany*, **2006**, 93, 903-9	2.7	22
63	Predicting the pathway to wind pollination: heritabilities and genetic correlations of inflorescence traits associated with wind pollination in Schiedea salicaria (Caryophyllaceae). *Journal of Evolutionary Biology*, **2006**, 19, 331-42	2.3	34
62	Genetic variation of ecophysiological traits in two gynodioecious species of Schiedea (Caryophyllaceae). *New Phytologist*, **2006**, 169, 589-601	9.8	24
61	Environmental stressors differentially affect leaf ecophysiological responses in two Ipomopsis species and their hybrids. *Oecologia*, **2006**, 148, 202-12	2.9	29
60	Pollen Limitation of Plant Reproduction: Pattern and Process. *Annual Review of Ecology, Evolution, and Systematics*, **2005**, 36, 467-497	13.5	707
59	TEMPORAL AND SPATIAL VARIATION IN POLLINATION OF A MONTANE HERB: A SEVEN-YEAR STUDY. *Ecology*, **2005**, 86, 2106-2116	4.6	154
58	Cytoplasmic and nuclear markers reveal contrasting patterns of spatial genetic structure in a natural Ipomopsis hybrid zone. *Molecular Ecology*, **2005**, 14, 781-92	5.7	50
57	Ecophysiology of first and second generation hybrids in a natural plant hybrid zone. *Oecologia*, **2005**, 144, 214-25	2.9	31
56	Natural selection in Ipomopsis hybrid zones: implications for ecological speciation. *New Phytologist*, **2004**, 161, 83-90	9.8	78
55	POLLEN LIMITATION OF PLANT REPRODUCTION: ECOLOGICAL AND EVOLUTIONARY CAUSES AND CONSEQUENCES. *Ecology*, **2004**, 85, 2408-2421	4.6	801
54	Ecological Speciation in Flowering Plants **2004**, 264-277		37
53	Reproductive isolation and hybrid pollen disadvantage in Ipomopsis. *Journal of Evolutionary Biology* , **2003**, 16, 536-40	2.3	39
52	Resistance to pre-dispersal seed predators in a natural hybrid zone. *Oecologia*, **2002**, 131, 436-443	2.9	17
51	Predicting patterns of mating and potential hybridization from pollinator behavior. *American Naturalist*, **2002**, 159, 438-50	3.7	51
50	Tests of pre- and postpollination barriers to hybridization between sympatric species of Ipomopsis (Polemoniaceae). *American Journal of Botany*, **2001**, 88, 213-219	2.7	37
49	Genotype-by-environment interaction and the fitness of plant hybrids in the wild. *Evolution; International Journal of Organic Evolution*, **2001**, 55, 669-76	3.8	118
48	Absence of conspecific pollen advantage in the dynamics of an Ipomopsis (Polemoniaceae) hybrid zone. *American Journal of Botany*, **2000**, 87, 819-824	2.7	22

47	Experimental tests of sex-allocation theory in plants. *Trends in Ecology and Evolution*, **2000**, 15, 227-232	10.9	115
46	Landscape approaches to historical and contemporary gene flow in plants. *Trends in Ecology and Evolution*, **1999**, 14, 219-224	10.9	303
45	THE CONSEQUENCES OF FLORAL HERBIVORY FOR POLLINATOR SERVICE TO ISOMERIS ARBOREA. *Ecology*, **1999**, 80, 125-134	4.6	125
44	The Consequences of Floral Herbivory for Pollinator Service to Isomeris arborea. *Ecology*, **1999**, 80, 125	4.6	45
43	Adaptive Significance of Flower Color and Inter-Trait Correlations in an Ipomopsis Hybrid Zone. *Evolution; International Journal of Organic Evolution*, **1998**, 52, 1293	3.8	37
42	Multiple paternity in fruits of Ipomopsis Aggregata (Polemoniaceae). *American Journal of Botany*, **1998**, 85, 1022-1027	2.7	47
41	Pollen Transfer by Natural Hybrids and Parental Species in an Ipomopsis Hybrid Zone. *Evolution; International Journal of Organic Evolution*, **1998**, 52, 1602	3.8	24
40	Variation in lifetime male fitness in Ipomopsis aggregata: tests of sex allocation theory. *American Naturalist*, **1998**, 152, 338-53	3.7	25
39	ADAPTIVE SIGNIFICANCE OF FLOWER COLOR AND INTER-TRAIT CORRELATIONS IN AN IPOMOPSIS HYBRID ZONE. *Evolution; International Journal of Organic Evolution*, **1998**, 52, 1293-1303	3.8	75
38	POLLEN TRANSFER BY NATURAL HYBRIDS AND PARENTAL SPECIES IN AN IPOMOPSIS HYBRID ZONE. *Evolution; International Journal of Organic Evolution*, **1998**, 52, 1602-1611	3.8	55
37	Hummingbird Behavior and Mechanisms of Selection on Flower Color in Ipomopsis. *Ecology*, **1997**, 78, 2532	4.6	8
36	Analyzing Pollinator-Mediated Selection in a Plant Hybrid Zone: Hummingbird Visitation Patterns on Three Spatial Scales. *American Naturalist*, **1997**, 149, 295-315	3.7	180
35	GENETIC AND ENVIRONMENTAL VARIATION IN LIFE-HISTORY TRAITS OF A MONOCARPIC PERENNIAL: A DECADE-LONG FIELD EXPERIMENT. *Evolution; International Journal of Organic Evolution*, **1997**, 51, 373-382	3.8	76
34	Genetic and Environmental Variation in Life-History Traits of a Monocarpic Perennial: A Decade-Long Field Experiment. *Evolution; International Journal of Organic Evolution*, **1997**, 51, 373	3.8	34
33	HUMMINGBIRD BEHAVIOR AND MECHANISMS OF SELECTION ON FLOWER COLOR IN IPOMOPSIS. *Ecology*, **1997**, 78, 2532-2541	4.6	119
32	Genetic correlation between biomass allocation to male and female functions in a natural population of Ipomopsis aggregata. *Heredity*, **1997**, 79, 606-614	3.6	46
31	Evolution of Floral Traits in a Hermaphroditic Plant: Field Measurements of Heritabilities and Genetic Correlations. *Evolution; International Journal of Organic Evolution*, **1996**, 50, 1442	3.8	54
30	Mechanisms of Hummingbird-Mediated Selection for Flower width in Ipomopsis Aggregata. *Ecology* , **1996**, 77, 1463-1472	4.6	121

29	EVOLUTION OF FLORAL TRAITS IN A HERMAPHRODITIC PLANT: FIELD MEASUREMENTS OF HERITABILITIES AND GENETIC CORRELATIONS. *Evolution; International Journal of Organic Evolution* , **1996**, 50, 1442-1453	3.8	138
28	INDIRECT SELECTION OF STIGMA POSITION IN IPOMOPSIS AGGREGATA VIA A GENETICALLY CORRELATED TRAIT. *Evolution; International Journal of Organic Evolution*, **1994**, 48, 55-68	3.8	86
27	Indirect Selection of Stigma Position in Ipomopsis aggregata via a Genetically Correlated Trait. *Evolution; International Journal of Organic Evolution*, **1994**, 48, 55	3.8	30
26	Resource and Pollen Limitations to Lifetime Seed Production in a Natural Plant Population. *Ecology*, **1993**, 74, 1043-1051	4.6	234
25	Variation in Sex Allocation and Floral Morphology in Ipomopsis aggregata (Polemoniaceae). *American Journal of Botany*, **1992**, 79, 516	2.7	13
24	VARIATION IN SEX ALLOCATION AND FLORAL MORPHOLOGY IN IPOMOPSIS AGGREGATA (POLEMONIACEAE). *American Journal of Botany*, **1992**, 79, 516-521	2.7	29
23	The Spatial Scale of Genetic Differentiation in a Hummingbird-Pollinated Plant: Comparison with Models of Isolation by Distance. *American Naturalist*, **1992**, 139, 735-748	3.7	87
22	Plant Genotype: A Variable Factor in Insect Plant Interactions **1992**, 75-111		12
21	COMPONENTS OF PHENOTYPIC SELECTION: POLLEN EXPORT AND FLOWER COROLLA WIDTH IN IPOMOPSIS AGGREGATA. *Evolution; International Journal of Organic Evolution*, **1991**, 45, 1458-1467	3.8	216
20	COMPARING POLLEN DISPERSAL AND GENE FLOW IN A NATURAL POPULATION. *Evolution; International Journal of Organic Evolution*, **1991**, 45, 1965-1968	3.8	140
19	Effects of Floral Traits on Sequential Components of Fitness in Ipomopsis aggregata. *American Naturalist*, **1991**, 137, 713-737	3.7	155
18	Comparing Pollen Dispersal and Gene Flow in a Natural Population. *Evolution; International Journal of Organic Evolution*, **1991**, 45, 1965	3.8	26
17	Components of Phenotypic Selection: Pollen Export and Flower Corrolla Width in Ipomopsis aggregata. *Evolution; International Journal of Organic Evolution*, **1991**, 45, 1458	3.8	80
16	INFLORESCENCE SIZE: TEST OF THE MALE FUNCTION HYPOTHESIS. *American Journal of Botany*, **1989**, 76, 730-738	2.7	97
15	Inflorescence Size: Test of the Male Function Hypothesis. *American Journal of Botany*, **1989**, 76, 730	2.7	40
14	Variation in Pollen Flow Within and Among Populations of Ipomopsis aggregata. *Evolution; International Journal of Organic Evolution*, **1989**, 43, 1444	3.8	24
13	Measurements of Selection in a Hermaphroditic Plant: Variation in Male and Female Pollination Success. *Evolution; International Journal of Organic Evolution*, **1989**, 43, 318	3.8	97
12	VARIATION IN POLLEN FLOW WITHIN AND AMONG POPULATIONS OF IPOMOPSIS AGGREGATA. *Evolution; International Journal of Organic Evolution*, **1989**, 43, 1444-1455	3.8	83

11	MEASUREMENTS OF SELECTION IN A HERMAPHRODITIC PLANT: VARIATION IN MALE AND FEMALE POLLINATION SUCCESS. *Evolution; International Journal of Organic Evolution*, **1989**, 43, 318-334	3.8	267
10	Interpopulational Variation in Fruit Production: The Role of Pollination-Limitation in the Olympic Mountains. *American Journal of Botany*, **1987**, 74, 269	2.7	28
9	The Evolution of Plant Mating Systems: Multilocus Simulations of Pollen Dispersal. *American Naturalist*, **1987**, 129, 593-609	3.7	49
8	INTERPOPULATIONAL VARIATION IN FRUIT PRODUCTION: THE ROLE OF POLLINATION-LIMITATION IN THE OLYMPIC MOUNTAINS. *American Journal of Botany*, **1987**, 74, 269-273	2.7	27
7	Predicting Plant Reproductive Success from Models of Competition for Pollination. *Oikos*, **1986**, 47, 257	4	25
6	POLLEN AND GENE DISPERSAL: THE INFLUENCES OF COMPETITION FOR POLLINATION. *Evolution; International Journal of Organic Evolution*, **1985**, 39, 418-431	3.8	72
5	Pollinator Sharing and Seed Set of Stellaria pubera: Competition for Pollination. *Ecology*, **1985**, 66, 544-553	4.6	118
4	Pollen and Gene Dispersal: The Influences of Competition for Pollination. *Evolution; International Journal of Organic Evolution*, **1985**, 39, 418	3.8	37
3	The Mechanism of Competition for Pollination between Two Forest Herbs. *Ecology*, **1985**, 66, 554-563	4.6	172
2	Pollination Effectiveness of Specialist and Generalist Visitors to a North Carolina Population of Claytonia Virginica. *Ecology*, **1981**, 62, 1278-1287	4.6	121
1	Genetic correlation between biomass allocation to male and female functions in a natural population of Ipomopsis aggregata		12