

Diane R Campbell

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118
papers

7,370
citations

44
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84
g-index

120
ext. papers

8,074
ext. citations

4.3
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6.09
L-index

#	Paper	IF	Citations
118	POLLEN LIMITATION OF PLANT REPRODUCTION: ECOLOGICAL AND EVOLUTIONARY CAUSES AND CONSEQUENCES. <i>Ecology</i> , 2004 , 85, 2408-2421	4.6	801
117	Pollen Limitation of Plant Reproduction: Pattern and Process. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2005 , 36, 467-497	13.5	707
116	Landscape approaches to historical and contemporary gene flow in plants. <i>Trends in Ecology and Evolution</i> , 1999 , 14, 219-224	10.9	303
115	MEASUREMENTS OF SELECTION IN A HERMAPHRODITIC PLANT: VARIATION IN MALE AND FEMALE POLLINATION SUCCESS. <i>Evolution; International Journal of Organic Evolution</i> , 1989 , 43, 318-334	3.8	267
114	Resource and Pollen Limitations to Lifetime Seed Production in a Natural Plant Population. <i>Ecology</i> , 1993 , 74, 1043-1051	4.6	234
113	COMPONENTS OF PHENOTYPIC SELECTION: POLLEN EXPORT AND FLOWER COROLLA WIDTH IN IPOMOPSIS AGGREGATA. <i>Evolution; International Journal of Organic Evolution</i> , 1991 , 45, 1458-1467	3.8	216
112	Analyzing Pollinator-Mediated Selection in a Plant Hybrid Zone: Hummingbird Visitation Patterns on Three Spatial Scales. <i>American Naturalist</i> , 1997 , 149, 295-315	3.7	180
111	The Mechanism of Competition for Pollination between Two Forest Herbs. <i>Ecology</i> , 1985 , 66, 554-563	4.6	172
110	Effects of Floral Traits on Sequential Components of Fitness in <i>Ipomopsis aggregata</i> . <i>American Naturalist</i> , 1991 , 137, 713-737	3.7	155
109	TEMPORAL AND SPATIAL VARIATION IN POLLINATION OF A MONTANE HERB: A SEVEN-YEAR STUDY. <i>Ecology</i> , 2005 , 86, 2106-2116	4.6	154
108	COMPARING POLLEN DISPERSAL AND GENE FLOW IN A NATURAL POPULATION. <i>Evolution; International Journal of Organic Evolution</i> , 1991 , 45, 1965-1968	3.8	140
107	EVOLUTION OF FLORAL TRAITS IN A HERMAPHRODITIC PLANT: FIELD MEASUREMENTS OF HERITABILITIES AND GENETIC CORRELATIONS. <i>Evolution; International Journal of Organic Evolution</i> , 1996 , 50, 1442-1453	3.8	138
106	THE CONSEQUENCES OF FLORAL HERBIVORY FOR POLLINATOR SERVICE TO <i>ISOMERIS ARBOREA</i> . <i>Ecology</i> , 1999 , 80, 125-134	4.6	125
105	Mechanisms of Hummingbird-Mediated Selection for Flower width in <i>Ipomopsis Aggregata</i> . <i>Ecology</i> , 1996 , 77, 1463-1472	4.6	121
104	Pollination Effectiveness of Specialist and Generalist Visitors to a North Carolina Population of <i>Claytonia Virginica</i> . <i>Ecology</i> , 1981 , 62, 1278-1287	4.6	121
103	HUMMINGBIRD BEHAVIOR AND MECHANISMS OF SELECTION ON FLOWER COLOR IN IPOMOPSIS. <i>Ecology</i> , 1997 , 78, 2532-2541	4.6	119
102	Genotype-by-environment interaction and the fitness of plant hybrids in the wild. <i>Evolution; International Journal of Organic Evolution</i> , 2001 , 55, 669-76	3.8	118

101	Pollinator Sharing and Seed Set of <i>Stellaria pubera</i> : Competition for Pollination. <i>Ecology</i> , 1985 , 66, 544-553	4.3	118
100	Experimental tests of sex-allocation theory in plants. <i>Trends in Ecology and Evolution</i> , 2000 , 15, 227-232	10.9	115
99	INFLORESCENCE SIZE: TEST OF THE MALE FUNCTION HYPOTHESIS. <i>American Journal of Botany</i> , 1989 , 76, 730-738	2.7	97
98	Measurements of Selection in a Hermaphroditic Plant: Variation in Male and Female Pollination Success. <i>Evolution; International Journal of Organic Evolution</i> , 1989 , 43, 318	3.8	97
97	The Spatial Scale of Genetic Differentiation in a Hummingbird-Pollinated Plant: Comparison with Models of Isolation by Distance. <i>American Naturalist</i> , 1992 , 139, 735-748	3.7	87
96	INDIRECT SELECTION OF STIGMA POSITION IN <i>IPOMOPSIS AGGREGATA</i> VIA A GENETICALLY CORRELATED TRAIT. <i>Evolution; International Journal of Organic Evolution</i> , 1994 , 48, 55-68	3.8	86
95	VARIATION IN POLLEN FLOW WITHIN AND AMONG POPULATIONS OF <i>IPOMOPSIS AGGREGATA</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1989 , 43, 1444-1455	3.8	83
94	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	3.8	80
93	Natural selection in <i>Ipomopsis</i> hybrid zones: implications for ecological speciation. <i>New Phytologist</i> , 2004 , 161, 83-90	9.8	78
92	GENETIC AND ENVIRONMENTAL VARIATION IN LIFE-HISTORY TRAITS OF A MONOCARPIC PERENNIAL: A DECADE-LONG FIELD EXPERIMENT. <i>Evolution; International Journal of Organic Evolution</i> , 1997 , 51, 373-382	3.8	76
91	ADAPTIVE SIGNIFICANCE OF FLOWER COLOR AND INTER-TRAIT CORRELATIONS IN AN <i>IPOMOPSIS</i> HYBRID ZONE. <i>Evolution; International Journal of Organic Evolution</i> , 1998 , 52, 1293-1303	3.8	75
90	Flower color influences insect visitation in alpine New Zealand. <i>Ecology</i> , 2010 , 91, 2638-49	4.6	73
89	POLLEN AND GENE DISPERSAL: THE INFLUENCES OF COMPETITION FOR POLLINATION. <i>Evolution; International Journal of Organic Evolution</i> , 1985 , 39, 418-431	3.8	72
88	Ovule number per flower in a world of unpredictable pollination. <i>American Journal of Botany</i> , 2009 , 96, 1159-67	2.7	63
87	Evolutionary dynamics of an <i>Ipomopsis</i> hybrid zone: confronting models with lifetime fitness data. <i>American Naturalist</i> , 2007 , 169, 298-310	3.7	59
86	Shifts in water availability mediate plant-pollinator interactions. <i>New Phytologist</i> , 2017 , 215, 792-802	9.8	57
85	POLLEN TRANSFER BY NATURAL HYBRIDS AND PARENTAL SPECIES IN AN <i>IPOMOPSIS</i> HYBRID ZONE. <i>Evolution; International Journal of Organic Evolution</i> , 1998 , 52, 1602-1611	3.8	55
84	Variation in pollinator preference between two <i>Ipomopsis</i> contact sites that differ in hybridization rate. <i>Evolution; International Journal of Organic Evolution</i> , 2007 , 61, 99-110	3.8	54

83	Evolution of Floral Traits in a Hermaphroditic Plant: Field Measurements of Heritabilities and Genetic Correlations. <i>Evolution; International Journal of Organic Evolution</i> , 1996 , 50, 1442	3.8	54
82	Predicting patterns of mating and potential hybridization from pollinator behavior. <i>American Naturalist</i> , 2002 , 159, 438-50	3.7	51
81	Bridging the generation gap in plants: pollination, parental fecundity, and offspring demography. <i>Ecology</i> , 2008 , 89, 1596-604	4.6	50
80	Cytoplasmic and nuclear markers reveal contrasting patterns of spatial genetic structure in a natural <i>Ipomopsis</i> hybrid zone. <i>Molecular Ecology</i> , 2005 , 14, 781-92	5.7	50
79	The Evolution of Plant Mating Systems: Multilocus Simulations of Pollen Dispersal. <i>American Naturalist</i> , 1987 , 129, 593-609	3.7	49
78	Multiple paternity in fruits of <i>Ipomopsis Aggregata</i> (Polemoniaceae). <i>American Journal of Botany</i> , 1998 , 85, 1022-1027	2.7	47
77	Genetic correlation between biomass allocation to male and female functions in a natural population of <i>Ipomopsis aggregata</i> . <i>Heredity</i> , 1997 , 79, 606-614	3.6	46
76	The Consequences of Floral Herbivory for Pollinator Service to <i>Isomeris arborea</i> . <i>Ecology</i> , 1999 , 80, 125	4.6	45
75	Using phenotypic manipulations to study multivariate selection of floral trait associations. <i>Annals of Botany</i> , 2009 , 103, 1557-66	4.1	44
74	Differential performance of reciprocal hybrids in multiple environments. <i>Journal of Ecology</i> , 2008 , 96, 1306-1318	6	42
73	Context-dependent reproductive isolation mediated by floral scent and color. <i>Evolution; International Journal of Organic Evolution</i> , 2015 , 69, 1-13	3.8	41
72	Inflorescence Size: Test of the Male Function Hypothesis. <i>American Journal of Botany</i> , 1989 , 76, 730	2.7	40
71	Reproductive isolation and hybrid pollen disadvantage in <i>Ipomopsis</i> . <i>Journal of Evolutionary Biology</i> , 2003 , 16, 536-40	2.3	39
70	Phenotypic plasticity of floral volatiles in response to increasing drought stress. <i>Annals of Botany</i> , 2019 , 123, 601-610	4.1	39
69	Ecological Speciation in Flowering Plants 2004 , 264-277		37
68	Tests of pre- and postpollination barriers to hybridization between sympatric species of <i>Ipomopsis</i> (Polemoniaceae). <i>American Journal of Botany</i> , 2001 , 88, 213-219	2.7	37
67	Adaptive Significance of Flower Color and Inter-Trait Correlations in an <i>Ipomopsis</i> Hybrid Zone. <i>Evolution; International Journal of Organic Evolution</i> , 1998 , 52, 1293	3.8	37
66	Pollen and Gene Dispersal: The Influences of Competition for Pollination. <i>Evolution; International Journal of Organic Evolution</i> , 1985 , 39, 418	3.8	37

65	Lifetime fitness in two generations of Ipomopsis hybrids. <i>Evolution; International Journal of Organic Evolution</i> , 2008 , 62, 2616-27	3.8	35
64	Genetic and Environmental Variation in Life-History Traits of a Monocarpic Perennial: A Decade-Long Field Experiment. <i>Evolution; International Journal of Organic Evolution</i> , 1997 , 51, 373	3.8	34
63	Predicting the pathway to wind pollination: heritabilities and genetic correlations of inflorescence traits associated with wind pollination in <i>Schiedea salicaria</i> (Caryophyllaceae). <i>Journal of Evolutionary Biology</i> , 2006 , 19, 331-42	2.3	34
62	Floral neighborhood influences pollinator assemblages and effective pollination in a native plant. <i>Oecologia</i> , 2014 , 176, 465-76	2.9	31
61	Butterflies show flower colour preferences but not constancy in foraging at four plant species. <i>Ecological Entomology</i> , 2011 , 36, 290-300	2.1	31
60	Ecophysiology of first and second generation hybrids in a natural plant hybrid zone. <i>Oecologia</i> , 2005 , 144, 214-25	2.9	31
59	Indirect Selection of Stigma Position in <i>Ipomopsis aggregata</i> via a Genetically Correlated Trait. <i>Evolution; International Journal of Organic Evolution</i> , 1994 , 48, 55	3.8	30
58	Natural selection on floral morphology can be influenced by climate. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282, 20150178	4.4	29
57	Environmental stressors differentially affect leaf ecophysiological responses in two <i>Ipomopsis</i> species and their hybrids. <i>Oecologia</i> , 2006 , 148, 202-12	2.9	29
56	VARIATION IN SEX ALLOCATION AND FLORAL MORPHOLOGY IN IPOMOPSIS AGGREGATA (POLEMONIACEAE). <i>American Journal of Botany</i> , 1992 , 79, 516-521	2.7	29
55	Interpopulational Variation in Fruit Production: The Role of Pollination-Limitation in the Olympic Mountains. <i>American Journal of Botany</i> , 1987 , 74, 269	2.7	28
54	The relative importance of solitary bees and syrphid flies as pollinators of two outcrossing plant species in the New Zealand alpine. <i>Austral Ecology</i> , 2013 , 38, 169-176	1.5	27
53	Photosynthetic and growth responses of reciprocal hybrids to variation in water and nitrogen availability. <i>American Journal of Botany</i> , 2010 , 97, 925-33	2.7	27
52	Genetic and morphological patterns show variation in frequency of hybrids between <i>Ipomopsis</i> (Polemoniaceae) zones of sympatry. <i>Heredity</i> , 2009 , 102, 257-65	3.6	27
51	INTERPOPULATIONAL VARIATION IN FRUIT PRODUCTION: THE ROLE OF POLLINATION-LIMITATION IN THE OLYMPIC MOUNTAINS. <i>American Journal of Botany</i> , 1987 , 74, 269-273	2.7	27
50	Comparing Pollen Dispersal and Gene Flow in a Natural Population. <i>Evolution; International Journal of Organic Evolution</i> , 1991 , 45, 1965	3.8	26
49	Variation in lifetime male fitness in <i>Ipomopsis aggregata</i> : tests of sex allocation theory. <i>American Naturalist</i> , 1998 , 152, 338-53	3.7	25
48	Predicting Plant Reproductive Success from Models of Competition for Pollination. <i>Oikos</i> , 1986 , 47, 257-4	2.5	25

47	Where have all the blue flowers gone: pollinator responses and selection on flower colour in New Zealand <i>Wahlenbergia albomarginata</i> . <i>Journal of Evolutionary Biology</i> , 2012 , 25, 352-64	2.3	24
46	Genetic variation of ecophysiological traits in two gynodioecious species of <i>Schiedea</i> (Caryophyllaceae). <i>New Phytologist</i> , 2006 , 169, 589-601	9.8	24
45	Pollen Transfer by Natural Hybrids and Parental Species in an <i>Ipomopsis</i> Hybrid Zone. <i>Evolution; International Journal of Organic Evolution</i> , 1998 , 52, 1602	3.8	24
44	Variation in Pollen Flow Within and Among Populations of <i>Ipomopsis aggregata</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1989 , 43, 1444	3.8	24
43	Floral scent in natural hybrids of <i>Ipomopsis</i> (Polemoniaceae) and their parental species. <i>Annals of Botany</i> , 2014 , 113, 533-44	4.1	23
42	GENOTYPE-BY-ENVIRONMENT INTERACTION AND THE FITNESS OF PLANT HYBRIDS IN THE WILD. <i>Evolution; International Journal of Organic Evolution</i> , 2007 , 55, 669-676	3.8	23
41	Reproductive isolation between <i>Zaluzianskya</i> species: the influence of volatiles and flower orientation on hawkmoth foraging choices. <i>New Phytologist</i> , 2016 , 210, 333-42	9.8	23
40	Asymmetrical pollen success in <i>Ipomopsis</i> (Polemoniaceae) contact sites. <i>American Journal of Botany</i> , 2006 , 93, 903-9	2.7	22
39	Absence of conspecific pollen advantage in the dynamics of an <i>Ipomopsis</i> (Polemoniaceae) hybrid zone. <i>American Journal of Botany</i> , 2000 , 87, 819-824	2.7	22
38	Genetic variation and covariation in floral allocation of two species of <i>Schiedea</i> with contrasting levels of sexual dimorphism. <i>Evolution; International Journal of Organic Evolution</i> , 2011 , 65, 757-70	3.8	20
37	Pollination of a native plant changes with distance and density of invasive plants in a simulated biological invasion. <i>American Journal of Botany</i> , 2016 , 103, 1458-65	2.7	19
36	Density-dependent demographic responses of a semelparous plant to natural variation in seed rain. <i>Oikos</i> , 2010 , 119, 1929-1935	4	18
35	Leaf physiology reflects environmental differences and cytoplasmic background in <i>Ipomopsis</i> (Polemoniaceae) hybrids. <i>American Journal of Botany</i> , 2007 , 94, 1804-12	2.7	18
34	Resistance to pre-dispersal seed predators in a natural hybrid zone. <i>Oecologia</i> , 2002 , 131, 436-443	2.9	17
33	Early snowmelt projected to cause population decline in a subalpine plant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 12901-12906	11.5	16
32	Pollinator Shifts and the Origin and Loss of Plant Species ¹ . <i>Annals of the Missouri Botanical Garden</i> , 2008 , 95, 264-274	1.8	16
31	Is Plant Fitness Proportional to Seed Set? An Experiment and a Spatial Model. <i>American Naturalist</i> , 2017 , 190, 818-827	3.7	15
30	Improving our chemistry: challenges and opportunities in the interdisciplinary study of floral volatiles. <i>Natural Product Reports</i> , 2015 , 32, 893-903	15.1	15

29	Selection of trait combinations through bee and fly visitation to flowers of <i>Polemonium foliosissimum</i> . <i>Journal of Evolutionary Biology</i> , 2014 , 27, 325-36	2.3	15
28	Sexual dimorphism and the genetic potential for evolution of sex allocation in the gynodioecious plant, <i>Schiedea salicaria</i> . <i>Journal of Evolutionary Biology</i> , 2008 , 21, 18-29	2.3	15
27	Altered precipitation affects plant hybrids differently than their parental species. <i>American Journal of Botany</i> , 2013 , 100, 1322-31	2.7	14
26	Physiological differences among two <i>Penstemon</i> species and their hybrids in field and common garden environments. <i>New Phytologist</i> , 2009 , 181, 478-488	9.8	14
25	Global gradients in intraspecific variation in vegetative and floral traits are partially associated with climate and species richness. <i>Global Ecology and Biogeography</i> , 2020 , 29, 992-1007	6.1	13
24	Variation in Sex Allocation and Floral Morphology in <i>Ipomopsis aggregata</i> (Polemoniaceae). <i>American Journal of Botany</i> , 1992 , 79, 516	2.7	13
23	Plant Genotype: A Variable Factor in Insect-Plant Interactions 1992 , 75-111		12
22	Genetic correlation between biomass allocation to male and female functions in a natural population of <i>Ipomopsis aggregata</i>		12
21	Timing of invasive pollen deposition influences pollen tube growth and seed set in a native plant. <i>Biological Invasions</i> , 2016 , 18, 1701-1711	2.7	10
20	Selection for a floral trait is not mediated by pollen receipt even though seed set in the population is pollen-limited. <i>Functional Ecology</i> , 2013 , 27, 1117-1125	5.6	10
19	Clines in traits compared over two decades in a plant hybrid zone. <i>Annals of Botany</i> , 2018 , 122, 315-324	4.1	10
18	Sexually dimorphic inflorescence traits in a wind-pollinated species: heritabilities and genetic correlations in <i>Schiedea adamantis</i> (Caryophyllaceae). <i>American Journal of Botany</i> , 2007 , 94, 1716-25	2.7	9
17	Hummingbird Behavior and Mechanisms of Selection on Flower Color in <i>Ipomopsis</i> . <i>Ecology</i> , 1997 , 78, 2532	4.6	8
16	Soil fertility and parasitoids shape herbivore selection on plants. <i>Journal of Ecology</i> , 2014 , 102, 1120-1128	6	7
15	Pollinator visitation rate and effectiveness vary with flowering phenology. <i>American Journal of Botany</i> , 2020 , 107, 445-455	2.7	6
14	An enigmatic Hawaiian moth is a missing link in the adaptive radiation of <i>Schiedea</i> . <i>New Phytologist</i> , 2017 , 213, 1533-1542	9.8	6
13	Measure for measure: comparing morphological and biomass traits for sex allocation in two gynodioecious species. <i>American Journal of Botany</i> , 2013 , 100, 1071-82	2.7	5
12	Floral Scent Composition and Fine-Scale Timing in Two Moth-Pollinated Hawaiian (Caryophyllaceae). <i>Frontiers in Plant Science</i> , 2020 , 11, 1116	6.2	5

11	Water influences how seed production responds to conspecific and heterospecific pollen. <i>American Journal of Botany</i> , 2019 , 106, 713-721	2.7	4
10	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. <i>Annals of the Entomological Society of America</i> , 2008 , 101, 70-78	2	4
9	Differences in Flowering Phenology Are Likely Not the Product of Competition for Pollination in <i>Clarkia</i> Communities. <i>International Journal of Plant Sciences</i> , 2019 , 180, 974-986	2.6	3
8	Geographical Variation in Hybridization of <i>Ipomopsis</i> (Polemoniaceae): Testing the Role of Photosynthetic Responses to Temperature and Water. <i>International Journal of Plant Sciences</i> , 2013 , 174, 57-64	2.6	2
7	Experimental Test of the Combined Effects of Water Availability and Flowering Time on Pollinator Visitation and Seed Set. <i>Frontiers in Ecology and Evolution</i> , 2021 , 9,	3.7	2
6	Selection of Floral Traits by Pollinators and Seed Predators during Sequential Life History Stages.. <i>American Naturalist</i> , 2022 , 199, 808-823	3.7	1
5	Earlier snow melt and reduced summer precipitation alter floral traits important to pollination. <i>Global Change Biology</i> , 2022 , 28, 323-339	11.4	0
4	Variation in floral volatiles across time, sexes, and populations of wind-pollinated <i>Schiedea globosa</i> .. <i>American Journal of Botany</i> , 2022 , 109, 345-360	2.7	0
3	Advanced phenology of intraguild predators shifts herbivore host plant preference and performance. <i>Ecological Entomology</i> , 2020 , 45, 1004-1014	2.1	
2	Unraveling the ecological and evolutionary impacts of a plant invader on the pollination of a native plant. <i>Biological Invasions</i> , 2021 , 23, 1533-1547	2.7	
1	Water availability affects the relationship between pollen intensity and seed production.. <i>AoB PLANTS</i> , 2021 , 13, plab074	2.9	