

# Diane R Campbell

## List of Publications by Year in descending order

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120  
papers

9,020  
citations

50170

46  
h-index

43802

91  
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120  
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120  
docs citations

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times ranked

4595  
citing authors

#	ARTICLE	IF	CITATIONS
1	Selection of Floral Traits by Pollinators and Seed Predators during Sequential Life History Stages. <i>American Naturalist</i> , 2022, 199, 808-823.	1.0	7
2	Earlier snow melt and reduced summer precipitation alter floral traits important to pollination. <i>Global Change Biology</i> , 2022, 28, 323-339.	4.2	12
3	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.	0.8	4
4	Phenotypic plasticity and selection on leaf traits in response to snowmelt timing and summer precipitation. <i>New Phytologist</i> , 2022, 234, 1477-1490.	3.5	9
5	Comparative impacts of long-term trends in snowmelt and species interactions on plant population dynamics. <i>Journal of Ecology</i> , 2022, 110, 1102-1112.	1.9	0
6	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.	1.2	0
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, .	1.1	6
8	Water availability affects the relationship between pollen intensity and seed production. <i>AoB PLANTS</i> , 2021, 13, plab074.	1.2	2
9	Floral Scent Composition and Fine-Scale Timing in Two Moth-Pollinated Hawaiian <i>Schiedea</i> (Caryophyllaceae). <i>Frontiers in Plant Science</i> , 2020, 11, 1116.	1.7	13
10	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.	2.7	51
11	Pollinator visitation rate and effectiveness vary with flowering phenology. <i>American Journal of Botany</i> , 2020, 107, 445-455.	0.8	16
12	Advanced phenology of intraguild predators shifts herbivore host plant preference and performance. <i>Ecological Entomology</i> , 2020, 45, 1004-1014.	1.1	1
13	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.	0.6	6
14	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.	3.3	32
15	Water influences how seed production responds to conspecific and heterospecific pollen. <i>American Journal of Botany</i> , 2019, 106, 713-721.	0.8	4
16	Phenotypic plasticity of floral volatiles in response to increasing drought stress. <i>Annals of Botany</i> , 2019, 123, 601-610.	1.4	69
17	Clines in traits compared over two decades in a plant hybrid zone. <i>Annals of Botany</i> , 2018, 122, 315-324.	1.4	16
18	Shifts in water availability mediate plant-pollinator interactions. <i>New Phytologist</i> , 2017, 215, 792-802.	3.5	88

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19	Is Plant Fitness Proportional to Seed Set? An Experiment and a Spatial Model. <i>American Naturalist</i> , 2017, 190, 818-827.	1.0	17
20	An enigmatic Hawaiian moth is a missing link in the adaptive radiation of <i>Schiedea</i> . <i>New Phytologist</i> , 2017, 213, 1533-1542.	3.5	9
21	Reproductive isolation between <i>Zaluzianskya</i> species: the influence of volatiles and flower orientation on hawkmoth foraging choices. <i>New Phytologist</i> , 2016, 210, 333-342.	3.5	40
22	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, 1458-1465.	0.8	26
23	Timing of invasive pollen deposition influences pollen tube growth and seed set in a native plant. <i>Biological Invasions</i> , 2016, 18, 1701-1711.	1.2	13
24	Natural selection on floral morphology can be influenced by climate. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150178.	1.2	42
25	Improving our chemistry: challenges and opportunities in the interdisciplinary study of floral volatiles. <i>Natural Product Reports</i> , 2015, 32, 893-903.	5.2	24
26	Context-dependent reproductive isolation mediated by floral scent and color. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 1-13.	1.1	60
27	Floral neighborhood influences pollinator assemblages and effective pollination in a native plant. <i>Oecologia</i> , 2014, 176, 465-476.	0.9	38
28	Selection of trait combinations through bee and fly visitation to flowers of <i>Polemonium foliosissimum</i> . <i>Journal of Evolutionary Biology</i> , 2014, 27, 325-336.	0.8	18
29	Floral scent in natural hybrids of <i>Ipomopsis</i> (Polemoniaceae) and their parental species. <i>Annals of Botany</i> , 2014, 113, 533-544.	1.4	34
30	Soil fertility and parasitoids shape herbivore selection on plants. <i>Journal of Ecology</i> , 2014, 102, 1120-1128.	1.9	9
31	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.	0.7	41
32	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.	1.7	12
33	Measure for measure: Comparing morphological and biomass traits for sex allocation in two gynodioecious species. <i>American Journal of Botany</i> , 2013, 100, 1071-1082.	0.8	6
34	Altered precipitation affects plant hybrids differently than their parental species. <i>American Journal of Botany</i> , 2013, 100, 1322-1331.	0.8	22
35	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.	0.6	3
36	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, 352-364.	0.8	28

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37	Butterflies show flower colour preferences but not constancy in foraging at four plant species. <i>Ecological Entomology</i> , 2011, 36, 290-300.	1.1	43
38	GENETIC VARIATION AND COVARIATION IN FLORAL ALLOCATION OF TWO SPECIES OF SCHIEDEA WITH CONTRASTING LEVELS OF SEXUAL DIMORPHISM. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 757-770.	1.1	25
39	Density-dependent demographic responses of a semelparous plant to natural variation in seed rain. <i>Oikos</i> , 2010, 119, 1929-1935.	1.2	19
40	Photosynthetic and growth responses of reciprocal hybrids to variation in water and nitrogen availability. <i>American Journal of Botany</i> , 2010, 97, 925-933.	0.8	33
41	Flower color influences insect visitation in alpine New Zealand. <i>Ecology</i> , 2010, 91, 2638-2649.	1.5	96
42	Using phenotypic manipulations to study multivariate selection of floral trait associations. <i>Annals of Botany</i> , 2009, 103, 1557-1566.	1.4	49
43	Genetic and morphological patterns show variation in frequency of hybrids between <i>Ipomopsis</i> (Polemoniaceae) zones of sympatry. <i>Heredity</i> , 2009, 102, 257-265.	1.2	28
44	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.	3.5	16
45	Ovule number per flower in a world of unpredictable pollination. <i>American Journal of Botany</i> , 2009, 96, 1159-1167.	0.8	81
46	LIFETIME FITNESS IN TWO GENERATIONS OF <i>IPOMOPSIS</i> HYBRIDS. <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 2616-2627.	1.1	37
47	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.	0.8	18
48	Differential performance of reciprocal hybrids in multiple environments. <i>Journal of Ecology</i> , 2008, 96, 1306-1318.	1.9	53
49	Pollinator Shifts and the Origin and Loss of Plant Species1. <i>Annals of the Missouri Botanical Garden</i> , 2008, 95, 264-274.	1.3	22
50	Effects of Aggregation Size and Host Plant on the Survival of an Ant-Tended Membracid (Hemiptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf <i>Entomological Society of America</i> , 2008, 101, 70-78.	1.3	7
51	BRIDGING THE GENERATION GAP IN PLANTS: POLLINATION, PARENTAL FECUNDITY, AND OFFSPRING DEMOGRAPHY. <i>Ecology</i> , 2008, 89, 1596-1604.	1.5	58
52	Leaf physiology reflects environmental differences and cytoplasmic background in <i>Ipomopsis</i> (Polemoniaceae) hybrids. <i>American Journal of Botany</i> , 2007, 94, 1804-1812.	0.8	20
53	Evolutionary Dynamics of an <i>Ipomopsis</i> Hybrid Zone: Confronting Models with Lifetime Fitness Data. <i>American Naturalist</i> , 2007, 169, 298-310.	1.0	64
54	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, 1716-1725.	0.8	11

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55	VARIATION IN POLLINATOR PREFERENCE BETWEEN TWO IPOMOPSIS CONTACT SITES THAT DIFFER IN HYBRIDIZATION RATE. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 99-110.	1.1	63
56	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, 331-342.	0.8	42
57	Genetic variation of ecophysiological traits in two gynodioecious species of <i>Schiedea</i> (Caryophyllaceae). <i>New Phytologist</i> , 2006, 169, 589-601.	3.5	29
58	Environmental stressors differentially affect leaf ecophysiological responses in two <i>Ipomopsis</i> species and their hybrids. <i>Oecologia</i> , 2006, 148, 202-212.	0.9	33
59	Asymmetrical pollen success in <i>Ipomopsis</i> (Polemoniaceae) contact sites. <i>American Journal of Botany</i> , 2006, 93, 903-909.	0.8	23
60	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, 781-792.	2.0	59
61	Ecophysiology of first and second generation hybrids in a natural plant hybrid zone. <i>Oecologia</i> , 2005, 144, 214-225.	0.9	38
62	Pollen Limitation of Plant Reproduction: Pattern and Process. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2005, 36, 467-497.	3.8	888
63	TEMPORAL AND SPATIAL VARIATION IN POLLINATION OF A MONTANE HERB: A SEVEN-YEAR STUDY. <i>Ecology</i> , 2005, 86, 2106-2116.	1.5	191
64	Natural selection in <i>Ipomopsis</i> hybrid zones: implications for ecological speciation. <i>New Phytologist</i> , 2004, 161, 83-90.	3.5	88
65	POLLEN LIMITATION OF PLANT REPRODUCTION: ECOLOGICAL AND EVOLUTIONARY CAUSES AND CONSEQUENCES. <i>Ecology</i> , 2004, 85, 2408-2421.	1.5	1,004
66	Ecological Speciation in Flowering Plants. , 2004, , 264-277.		60
67	Reproductive isolation and hybrid pollen disadvantage in <i>Ipomopsis</i> . <i>Journal of Evolutionary Biology</i> , 2003, 16, 536-540.	0.8	42
68	Predicting Patterns of Mating and Potential Hybridization from Pollinator Behavior. <i>American Naturalist</i> , 2002, 159, 438-450.	1.0	54
69	Resistance to pre-dispersal seed predators in a natural hybrid zone. <i>Oecologia</i> , 2002, 131, 436-443.	0.9	22
70	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.	0.8	48
71	GENOTYPE-BY-ENVIRONMENT INTERACTION AND THE FITNESS OF PLANT HYBRIDS IN THE WILD. <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 669.	1.1	134
72	GENOTYPE-BY-ENVIRONMENT INTERACTION AND THE FITNESS OF PLANT HYBRIDS IN THE WILD. <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 669-676.	1.1	24

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73	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.	0.8	24
74	Experimental tests of sex-allocation theory in plants. <i>Trends in Ecology and Evolution</i> , 2000, 15, 227-232.	4.2	137
75	Landscape approaches to historical and contemporary gene flow in plants. <i>Trends in Ecology and Evolution</i> , 1999, 14, 219-224.	4.2	337
76	THE CONSEQUENCES OF FLORAL HERBIVORY FOR POLLINATOR SERVICE TO <i>ISOMERIS ARBOREA</i> . <i>Ecology</i> , 1999, 80, 125-134.	1.5	153
77	The Consequences of Floral Herbivory for Pollinator Service to <i>Isomeris arborea</i> . <i>Ecology</i> , 1999, 80, 125.	1.5	75
78	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.	1.1	37
79	Multiple paternity in fruits of <i>Ipomopsis aggregata</i> (Polemoniaceae). <i>American Journal of Botany</i> , 1998, 85, 1022-1027.	0.8	49
80	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.	1.1	25
81	Variation in Lifetime Male Fitness in <i>Ipomopsis aggregata</i> : Tests of Sex Allocation Theory. <i>American Naturalist</i> , 1998, 152, 338-353.	1.0	25
82	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.	1.1	82
83	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.	1.1	58
84	Hummingbird Behavior and Mechanisms of Selection on Flower Color in <i>Ipomopsis</i> . <i>Ecology</i> , 1997, 78, 2532.	1.5	14
85	Analyzing Pollinator-Mediated Selection in a Plant Hybrid Zone: Hummingbird Visitation Patterns on Three Spatial Scales. <i>American Naturalist</i> , 1997, 149, 295-315.	1.0	202
86	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.	1.1	79
87	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.	1.1	35
88	HUMMINGBIRD BEHAVIOR AND MECHANISMS OF SELECTION ON FLOWER COLOR IN <i>IPOMOPSIS</i> . <i>Ecology</i> , 1997, 78, 2532-2541.	1.5	144
89	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.	1.2	48
90	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.	1.2	13

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91	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.	1.1	80
92	Mechanisms of Hummingbird-Mediated Selection for Flower width in <i>Ipomopsis Aggregata</i> . <i>Ecology</i> , 1996, 77, 1463-1472.	1.5	150
93	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.	1.1	149
94	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.	1.1	92
95	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.	1.1	30
96	Resource and Pollen Limitations to Lifetime Seed Production in a Natural Plant Population. <i>Ecology</i> , 1993, 74, 1043-1051.	1.5	311
97	Variation in Sex Allocation and Floral Morphology in <i>Ipomopsis aggregata</i> (Polemoniaceae). <i>American Journal of Botany</i> , 1992, 79, 516.	0.8	14
98	VARIATION IN SEX ALLOCATION AND FLORAL MORPHOLOGY IN <i>IPOMOPSIS AGGREGATA</i> (POLEMONIACEAE). <i>American Journal of Botany</i> , 1992, 79, 516-521.	0.8	32
99	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.	1.0	106
100	Plant Genotype: A Variable Factor in Insect-Plant Interactions. , 1992, , 75-111.		18
101	Comparing Pollen Dispersal and Gene Flow in a Natural Population. <i>Evolution; International Journal of Organic Evolution</i> , 1991, 45, 1965.	1.1	28
102	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
103	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
104	COMPARING POLLEN DISPERSAL AND GENE FLOW IN A NATURAL POPULATION. <i>Evolution; International Journal of Organic Evolution</i> , 1991, 45, 1965-1968.	1.1	149
105	Effects of Floral Traits on Sequential Components of Fitness in <i>Ipomopsis aggregata</i> . <i>American Naturalist</i> , 1991, 137, 713-737.	1.0	170
106	INFLORESCENCE SIZE: TEST OF THE MALE FUNCTION HYPOTHESIS. <i>American Journal of Botany</i> , 1989, 76, 730-738.	0.8	104
107	Inflorescence Size: Test of the Male Function Hypothesis. <i>American Journal of Botany</i> , 1989, 76, 730.	0.8	46
108	Variation in Pollen Flow Within and Among Populations of <i>Ipomopsis aggregata</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1989, 43, 1444.	1.1	26

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109	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.	1.1	105
110	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.	1.1	92
111	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.	1.1	294
112	Interpopulational Variation in Fruit Production: The Role of Pollination-Limitation in the Olympic Mountains. <i>American Journal of Botany</i> , 1987, 74, 269.	0.8	28
113	The Evolution of Plant Mating Systems: Multilocus Simulations of Pollen Dispersal. <i>American Naturalist</i> , 1987, 129, 593-609.	1.0	53
114	INTERPOPULATIONAL VARIATION IN FRUIT PRODUCTION: THE ROLE OF POLLINATION LIMITATION IN THE OLYMPIC MOUNTAINS. <i>American Journal of Botany</i> , 1987, 74, 269-273.	0.8	42
115	Predicting Plant Reproductive Success from Models of Competition for Pollination. <i>Oikos</i> , 1986, 47, 257.	1.2	34
116	POLLEN AND GENE DISPERSAL: THE INFLUENCES OF COMPETITION FOR POLLINATION. <i>Evolution; International Journal of Organic Evolution</i> , 1985, 39, 418-431.	1.1	100
117	Pollinator Sharing and Seed Set of <i>Stellaria pubera</i> : Competition for Pollination. <i>Ecology</i> , 1985, 66, 544-553.	1.5	159
118	Pollen and Gene Dispersal: The Influences of Competition for Pollination. <i>Evolution; International Journal of Organic Evolution</i> , 1985, 39, 418.	1.1	40
119	The Mechanism of Competition for Pollination between Two Forest Herbs. <i>Ecology</i> , 1985, 66, 554-563.	1.5	225
120	Pollination Effectiveness of Specialist and Generalist Visitors to a North Carolina Population of <i>Claytonia Virginica</i> . <i>Ecology</i> , 1981, 62, 1278-1287.	1.5	170