

Candace Galen

List of Publications by Year in descending order

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75
papers

5,148
citations

76196

40
h-index

91712

69
g-index

76
all docs

76
docs citations

76
times ranked

3401
citing authors

#	ARTICLE	IF	CITATIONS
1	Why Do Flowers Vary?. <i>BioScience</i> , 1999, 49, 631-640.	2.2	260
2	DOWN THE TUBE: POLLINATORS, PREDATORS, AND THE EVOLUTION OF FLOWER SHAPE IN THE ALPINE SKYPILOT, <i>POLEMONIUM VISCOSUM</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 1963-1971.	1.1	193
3	Functional mismatch in a bumble bee pollination mutualism under climate change. <i>Science</i> , 2015, 349, 1541-1544.	6.0	181
4	Frequency-Dependent Selection and Adaptive Surfaces for Floral Character Combinations: The Pollination of <i>Polemonium viscosum</i> . <i>American Naturalist</i> , 1991, 138, 1342-1353.	1.0	176
5	High and Dry: Drought Stress, Sex Allocation Tradeoffs, and Selection on Flower Size in the Alpine Wildflower <i>Polemonium viscosum</i> (Polemoniaceae). <i>American Naturalist</i> , 2000, 156, 72-83.	1.0	176
6	Drought stress, plant water status, and floral trait expression in fireweed, <i>Epilobium angustifolium</i> (Onagraceae). <i>American Journal of Botany</i> , 2001, 88, 438-446.	0.8	172
7	Are flowers physiological sinks or faucets? Costs and correlates of water use by flowers of <i>Polemonium viscosum</i> . <i>Oecologia</i> , 1999, 118, 461-470.	0.9	164
8	Interspecific pollen transfer as a mechanism of competition: Consequences of foreign pollen contamination for seed set in the alpine wildflower, <i>Polemonium viscosum</i> . <i>Oecologia</i> , 1989, 81, 120-123.	0.9	161
9	BUMBLE BEE POLLINATION AND FLORAL MORPHOLOGY: FACTORS INFLUENCING POLLEN DISPERSAL IN THE ALPINE SKY PILOT, <i>POLEMONIUM VISCOSUM</i> (POLEMONIACEAE). <i>American Journal of Botany</i> , 1989, 76, 419-426.	0.8	158
10	RATES OF FLORAL EVOLUTION: ADAPTATION TO BUMBLEBEE POLLINATION IN AN ALPINE WILDFLOWER, <i>POLEMONIUM VISCOSUM</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1996, 50, 120-125.	1.1	155
11	Regulation of Seed-Set in <i>Polemonium viscosum</i> : Floral Scents, Pollination, and Resources. <i>Ecology</i> , 1985, 66, 792-797.	1.5	142
12	Responses of Snowbed Plant Species to Changes in Growing-Season Length. <i>Ecology</i> , 1995, 76, 1546-1557.	1.5	133
13	Carpels as leaves: meeting the carbon cost of reproduction in an alpine buttercup. <i>Oecologia</i> , 1993, 95, 187-193.	0.9	132
14	POLLINATION IN FLORAL SCENT MORPHS OF <i>POLEMONIUM VISCOSUM</i> : A MECHANISM FOR DISRUPTIVE SELECTION ON FLOWER SIZE. <i>Evolution; International Journal of Organic Evolution</i> , 1987, 41, 599-606.	1.1	130
15	Measuring Pollinator-Mediated Selection on Morphometric Floral Traits: Bumblebees and the Alpine Sky Pilot, <i>Polemonium viscosum</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1989, 43, 882.	1.1	125
16	CONSEQUENCES OF EMERGENCE PHENOLOGY FOR REPRODUCTIVE SUCCESS IN <i>RANUNCULUS ADONEUS</i> (RANUNCULACEAE). <i>American Journal of Botany</i> , 1991, 78, 978-988.	0.8	125
17	Life on The Edge: Adaptation Versus Environmentally Mediated Gene Flow in The Snow Buttercup, <i>Ranunculus Adoneus</i> . <i>American Naturalist</i> , 1997, 150, 143-178.	1.0	113
18	Dosage-Dependent Impacts of a Floral Volatile Compound on Pollinators, Larcenists, and the Potential for Floral Evolution in the Alpine Skypilot <i>Polemonium viscosum</i> . <i>American Naturalist</i> , 2011, 177, 258-272.	1.0	113

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19	Pollination in Floral Scent Morphs of <i>Polemonium viscosum</i> : A Mechanism for Disruptive Selection on Flower Size. <i>Evolution; International Journal of Organic Evolution</i> , 1987, 41, 599.	1.1	100
20	Rates of Floral Evolution: Adaptation to Bumblebee Pollination in an Alpine Wildflower, <i>Polemonium viscosum</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1996, 50, 120.	1.1	98
21	Functional ecology of a blue light photoreceptor: effects of phototropin on root growth enhance drought tolerance in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2007, 173, 91-99.	3.5	93
22	Scent and Color, Floral Polymorphisms and Pollination Biology in <i>Polemonium viscosum</i> Nutt.. <i>American Midland Naturalist</i> , 1980, 104, 281.	0.2	91
23	The Effects of Nectar Thieving Ants on Seedset in Floral Scent Morphs of <i>Polemonium Viscosum</i> . <i>Oikos</i> , 1983, 41, 245.	1.2	91
24	Short-Term Responses of Alpine Buttercups to Experimental Manipulations of Growing Season Length. <i>Ecology</i> , 1993, 74, 1052-1058.	1.5	89
25	BUMBLE BEE POLLINATION AND FLORAL MORPHOLOGY: FACTORS INFLUENCING POLLEN DISPERSAL IN THE ALPINE SKY PILOT, <i>POLEMONIUM VISCOSUM</i> (POLEMONIACEAE). , 1989, 76, 419.		83
26	Consequences of flower heliotropism for reproduction in an alpine buttercup (<i>Ranunculus adoneus</i>). <i>Oecologia</i> , 1989, 78, 477-485.	0.9	78
27	Flowers and Enemies: Predation by Nectar-Thieving Ants in Relation to Variation in Floral Form of an Alpine Wildflower, <i>Polemonium viscosum</i> . <i>Oikos</i> , 1999, 85, 426.	1.2	78
28	FLORAL BIOLOGY AND REGULATION OF SEED SET AND SEED SIZE IN THE LILY, <i>CLINTONIA BOREALIS</i> . <i>American Journal of Botany</i> , 1985, 72, 1544-1552.	0.8	71
29	COSTS OF SELF-POLLINATION IN A SELF-INCOMPATIBLE PLANT, <i>POLEMONIUM VISCOSUM</i> . <i>American Journal of Botany</i> , 1989, 76, 1675-1680.	0.8	70
30	POLLINATION QUALITY, SEED SET, AND FLOWER TRAITS IN <i>POLEMONIUM VISCOSUM</i> : COMPLEMENTARY EFFECTS OF VARIATION IN FLOWER SCENT AND SIZE. <i>American Journal of Botany</i> , 1988, 75, 900-905.	0.8	65
31	Limits to the Distributions of Alpine Tundra Plants: Herbivores and the Alpine Skypilot, <i>Polemonium viscosum</i> . <i>Oikos</i> , 1990, 59, 355.	1.2	62
32	A comparison of phenotypic plasticity in the native dandelion <i>Taraxacum ceratophorum</i> and its invasive congener <i>T. officinale</i> . <i>New Phytologist</i> , 2005, 166, 173-183.	3.5	61
33	CONSEQUENCES OF EMERGENCE PHENOLOGY FOR REPRODUCTIVE SUCCESS IN <i>RANUNCULUS ADONEUS</i> (RANUNCULACEAE). , 1991, 78, 978.		61
34	Ants in your plants: effects of nectar-thieves on pollen fertility and seed-siring capacity in the alpine wildflower, <i>Polemonium viscosum</i> . <i>Oikos</i> , 2003, 101, 521-528.	1.2	60
35	AN EXPERIMENTAL TEST OF THE ADAPTIVE EVOLUTION OF PHOTOTROPINS: BLUE-LIGHT PHOTORECEPTORS CONTROLLING PHOTOTROPISM IN <i>ARABIDOPSIS THALIANA</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 515-523.	1.1	59
36	Drought tolerance in the alpine dandelion, <i>Taraxacum ceratophorum</i> (Asteraceae), its exotic congener <i>T. officinale</i> , and interspecific hybrids under natural and experimental conditions. <i>American Journal of Botany</i> , 2005, 92, 1311-1321.	0.8	57

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37	Stage-dependent patterns of drought tolerance and gas exchange vary between sexes in the alpine willow, <i>Salix glauca</i> . <i>Oecologia</i> , 2007, 153, 1-9.	0.9	55
38	Willows indirectly reduce arbuscular mycorrhizal fungal colonization in understory communities. <i>Journal of Ecology</i> , 2012, 100, 343-351.	1.9	52
39	Sunny side up: flower heliotropism as a source of parental environmental effects on pollen quality and performance in the snow buttercup, <i>Ranunculus adoneus</i> (Ranunculaceae). <i>American Journal of Botany</i> , 2003, 90, 724-729.	0.8	48
40	Bumblebee foraging and floral scent dimorphism: <i>Bombus kirbyellus</i> Curtis (Hymenoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1207-1213.	0.4	45
41	Light-Sensing in Roots. <i>Plant Signaling and Behavior</i> , 2007, 2, 106-108.	1.2	45
42	Does body size predict the buzz pollination frequencies used by bees?. <i>Ecology and Evolution</i> , 2019, 9, 4875-4887.	0.8	40
43	Soil fungal effects on floral signals, rewards, and aboveground interactions in an alpine pollination web. <i>American Journal of Botany</i> , 2011, 98, 1299-1308.	0.8	39
44	Ecophysiology of first and second generation hybrids in a natural plant hybrid zone. <i>Oecologia</i> , 2005, 144, 214-225.	0.9	38
45	High-altitude multi-taskers: bumble bee food plant use broadens along an altitudinal productivity gradient. <i>Oecologia</i> , 2014, 176, 1033-1045.	0.9	36
46	It Never Rains but then it Pours. , 2005, , 77-95.		34
47	SEEDLING ESTABLISHMENT IN ALPINE BUTTERCUPS UNDER EXPERIMENTAL MANIPULATIONS OF GROWING-SEASON LENGTH. <i>Ecology</i> , 1999, 80, 2033-2044.	1.5	30
48	Flight of the bumble bee: Buzzes predict pollination services. <i>PLoS ONE</i> , 2017, 12, e0179273.	1.1	28
49	Nurse Effects of Alpine Willows (<i>Salix</i>) Enhance Over-winter Survival at the Upper Range Limit of Fireweed, <i>Chamerion Angustifolium</i> . <i>Arctic, Antarctic, and Alpine Research</i> , 2007, 39, 57-64.	0.4	24
50	Variance in pollen carryover in animal-pollinated plants: Implications for mate choice. <i>Journal of Theoretical Biology</i> , 1988, 135, 419-429.	0.8	22
51	Quantifying direct vs. indirect effects of nectar robbers on male and female components of plant fitness. <i>Journal of Ecology</i> , 2015, 103, 1487-1497.	1.9	22
52	RE-EVALUATING THE SIGNIFICANCE OF CORRELATIONS BETWEEN SEED NUMBER AND SIZE: EVIDENCE FROM A NATURAL POPULATION OF THE LILY, <i>CLINTONIA BOREALIS</i> . <i>American Journal of Botany</i> , 1986, 73, 346-352.	0.8	21
53	DENSITY-DEPENDENT EFFECTS OF ANTS ON SELECTION FOR BUMBLE BEE POLLINATION IN <i>POLEMONIUM VISCOSUM</i> . <i>Ecology</i> , 2007, 88, 1202-1209.	1.5	21
54	COSTS OF SELF-POLLINATION IN A SELF-INCOMPATIBLE PLANT, <i>POLEMONIUM VISCOSUM</i> . , 1989, 76, 1675.		21

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55	MECHANISMS OF TOLERANCE TO FLORAL LARCENY IN TWO WILDFLOWER SPECIES. <i>Ecology</i> , 2008, 89, 3093-3104.	1.5	20
56	Sexual and natural selection on pollen morphology in <i>Taraxacum</i> . <i>American Journal of Botany</i> , 2020, 107, 364-374.	0.8	20
57	Pollen Dispersal Dynamics in an Alpine Wildflower, <i>Polemonium viscosum</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1992, 46, 1043.	1.1	19
58	Catching ants with honey: an experimental test of distraction and satiation as alternative modes of escape from flower-damaging ants. <i>Oecologia</i> , 2005, 144, 80-87.	0.9	19
59	Solar furnaces or swamp coolers: costs and benefits of water use by solar-tracking flowers of the alpine snow buttercup, <i>Ranunculus adoneus</i> . <i>Oecologia</i> , 2006, 148, 195-201.	0.9	18
60	The Evolution of Floral Form: Insights from an Alpine Wildflower, <i>Polemonium viscosum</i> (Polemoniaceae). , 1996, , 273-291.		18
61	Tracing impacts of partner abundance in facultative pollination mutualisms: from individuals to populations. <i>Ecology</i> , 2012, 93, 1581-1592.	1.5	17
62	Anthropogenic and soil environmental drivers of arbuscular mycorrhizal community composition differ between grassland ecosystems. <i>Botany</i> , 2019, 97, 85-99.	0.5	15
63	Pollination on the Dark Side: Acoustic Monitoring Reveals Impacts of a Total Solar Eclipse on Flight Behavior and Activity Schedule of Foraging Bees. <i>Annals of the Entomological Society of America</i> , 2019, 112, 20-26.	1.3	14
64	An experimental test of the adaptive evolution of phototropins: blue-light photoreceptors controlling phototropism in <i>Arabidopsis thaliana</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 515-23.	1.1	12
65	Caste-specific patterns of flower visitation in bumble bees (<i>Bombus kirbyellus</i>) collecting nectar from <i>Polemonium viscosum</i> . <i>Ecological Entomology</i> , 1988, 13, 11-17.	1.1	11
66	Plant Parental Care: Conspecific Nurse Effects in <i>Frasera speciosa</i> and <i>Cirsium scopulorum</i> . <i>Ecology</i> , 1998, 79, 1657.	1.5	11
67	Acoustic detection of bees in the field using CASA with focal templates. , 2017, , .		11
68	Cost of Reproduction in <i>Polemonium viscosum</i> : Phenotypic and Genetic Approaches. <i>Evolution; International Journal of Organic Evolution</i> , 1993, 47, 1073.	1.1	10
69	Intra- and Interspecific Variation in Mycorrhizal Associations across a Heterogeneous Habitat Gradient in Alpine Plant Communities. <i>Arctic, Antarctic, and Alpine Research</i> , 2009, 41, 183-190.	0.4	10
70	Between a Rock and a Hard Place: Impact of Nest Selection Behavior on the Altitudinal Range of an Alpine Ant, <i>Formica neorufibarbis</i> . <i>Environmental Entomology</i> , 2011, 40, 534-540.	0.7	10
71	How shrub encroachment under climate change could threaten pollination services for alpine wildflowers: A case study using the alpine skypilot, <i>Polemonium viscosum</i> . <i>Ecology and Evolution</i> , 2017, 7, 6963-6971.	0.8	9
72	Sources of spatial and temporal heterogeneity in the colonization of an alpine krummholz environment by the weedy subalpine plant <i>Chamerion angustifolium</i> (fireweed). <i>Canadian Journal of Botany</i> , 2006, 84, 933-939.	1.2	8

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73	Current and Future Costs of Reproduction in <i>Oxytropis sericea</i> , a Perennial Plant from the Colorado Rocky Mountains, U.S.A.. <i>Arctic, Antarctic, and Alpine Research</i> , 2000, 32, 438-448.	0.4	3
74	Finding partners in a habitat mosaic: Patch history and size mediate host colonization by arbuscular mycorrhizal fungi. <i>Ecosphere</i> , 2016, 7, e01570.	1.0	2
75	Pollen: The Big Picture, Piece by Piece. <i>Ecology</i> , 1987, 68, 1134-1135.	1.5	0