# 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 g-index |
| 120 all docs | 120 docs citations | 120 times ranked | 4595 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | POLLEN LIMITATION OF PLANT REPRODUCTION: ECOLOGICAL AND EVOLUTIONARY CAUSES AND CONSEQUENCES. Ecology, 2004, 85, 2408-2421. | 1.5 | 1,004 |
| 2 | Pollen Limitation of Plant Reproduction: Pattern and Process. Annual Review of Ecology, Evolution, and Systematics, 2005, 36, 467-497. | 3.8 | 888 |
| 3 | Landscape approaches to historical and contemporary gene flow in plants. Trends in Ecology and Evolution, 1999, 14, 219-224. | 4.2 | 337 |
| 4 | Resource and Pollen Limitations to Lifetime Seed Production in a Natural Plant Population. Ecology, 1993, 74, 1043-1051. | 1.5 | 311 |
| 5 | MEASUREMENTS OF SELECTION IN A HERMAPHRODITIC PLANT: VARIATION IN MALE AND FEMALE POLLINATION SUCCESS. Evolution; International Journal of Organic Evolution, 1989, 43, 318-334. | 1.1 | 294 |
| 6 | COMPONENTS OF PHENOTYPIC SELECTION: POLLEN EXPORT AND FLOWER COROLLA WIDTH IN <i>IPOMOPSIS AGGREGATA</i>. Evolution; International Journal of Organic Evolution, 1991, 45, 1458-1467. | 1.1 | 231 |
| 7 | The Mechanism of Competition for Pollination between Two Forest Herbs. Ecology, 1985, 66, 554-563. | 1.5 | 225 |
| 8 | Analyzing Pollinator-Mediated Selection in a Plant Hybrid Zone: Hummingbird Visitation Patterns on Three Spatial Scales. American Naturalist, 1997, 149, 295-315. | 1.0 | 202 |
| 9 | TEMPORAL AND SPATIAL VARIATION IN POLLINATION OF A MONTANE HERB: A SEVEN-YEAR STUDY. Ecology, 2005, 86, 2106-2116. | 1.5 | 191 |
| 10 | Pollination Effectiveness of Specialist and Generalist Visitors to a North Carolina Population of Claytonia Virginica. Ecology, 1981, 62, 1278-1287. | 1.5 | 170 |
| 11 | Effects of Floral Traits on Sequential Components of Fitness in Ipomopsis aggregata. American Naturalist, 1991, 137, 713-737. | 1.0 | 170 |
| 12 | Pollinator Sharing and Seed Set of Stellaria pubera: Competition for Pollination. Ecology, 1985, 66, 544-553. | 1.5 | 159 |
| 13 | THE CONSEQUENCES OF FLORAL HERBIVORY FOR POLLINATOR SERVICE TOISOMERIS ARBOREA. Ecology, 1999, 80, 125-134. | 1.5 | 153 |
| 14 | Mechanisms of Hummingbird-Mediated Selection for Flower width in Ipomopsis Aggregata. Ecology, 1996, 77, 1463-1472. | 1.5 | 150 |
| 15 | COMPARING POLLEN DISPERSAL AND GENE FLOW IN A NATURAL POPULATION. Evolution; International Journal of Organic Evolution, 1991, 45, 1965-1968. | 1.1 | 149 |
| 16 | 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. | 1.1 | 149 |
| 17 | HUMMINGBIRD BEHAVIOR AND MECHANISMS OF SELECTION ON FLOWER COLOR INIPOMOPSIS. Ecology, 1997, 78, 2532-2541. | 1.5 | 144 |
| 18 | Experimental tests of sex-allocation theory in plants. Trends in Ecology and Evolution, 2000, 15, 227-232. | 4.2 | 137 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | GENOTYPE-BY-ENVIRONMENT INTERACTION AND THE FITNESS OF PLANT HYBRIDS IN THE WILD. Evolution; International Journal of Organic Evolution, 2001, 55, 669. | 1.1 | 134 |
| 20 | The Spatial Scale of Genetic Differentiation in a Hummingbird-Pollinated Plant: Comparison with Models of Isolation by Distance. American Naturalist, 1992, 139, 735-748. | 1.0 | 106 |
| 21 | Measurements of Selection in a Hermaphroditic Plant: Variation in Male and Female Pollination Success. Evolution; International Journal of Organic Evolution, 1989, 43, 318. | 1.1 | 105 |
| 22 | Components of Phenotypic Selection: Pollen Export and Flower Corrolla Width in Ipomopsis aggregata. Evolution; International Journal of Organic Evolution, 1991, 45, 1458. | 1.1 | 105 |
| 23 | INFLORESCENCE SIZE: TEST OF THE MALE FUNCTION HYPOTHESIS. American Journal of Botany, 1989, 76, 730-738. | 0.8 | 104 |
| 24 | POLLEN AND GENE DISPERSAL: THE INFLUENCES OF COMPETITION FOR POLLINATION. Evolution; International Journal of Organic Evolution, 1985, 39, 418-431. | 1.1 | 100 |
| 25 | Flower color influences insect visitation in alpine New Zealand. Ecology, 2010, 91, 2638-2649. | 1.5 | 96 |
| 26 | VARIATION IN POLLEN FLOW WITHIN AND AMONG POPULATIONS OF <i>IPOMOPSIS AGGREGATA</i>. Evolution; International Journal of Organic Evolution, 1989, 43, 1444-1455. | 1.1 | 92 |
| 27 | INDIRECT SELECTION OF STIGMA POSITION IN <i>IPOMOPSIS AGGREGATA</i> VIA A GENETICALLY CORRELATED TRAIT. Evolution; International Journal of Organic Evolution, 1994, 48, 55-68. | 1.1 | 92 |
| 28 | Natural selection in Ipomopsis hybrid zones: implications for ecological speciation. New Phytologist, 2004, 161, 83-90. | 3.5 | 88 |
| 29 | Shifts in water availability mediate plantâ€“pollinator interactions. New Phytologist, 2017, 215, 792-802. | 3.5 | 88 |
| 30 | ADAPTIVE SIGNIFICANCE OF FLOWER COLOR AND INTERâ€TRAIT CORRELATIONS IN AN <i>IPOMOPSIS</i> HYBRID ZONE. Evolution; International Journal of Organic Evolution, 1998, 52, 1293-1303. | 1.1 | 82 |
| 31 | Ovule number per flower in a world of unpredictable pollination. American Journal of Botany, 2009, 96, 1159-1167. | 0.8 | 81 |
| 32 | Evolution of Floral Traits in a Hermaphroditic Plant: Field Measurements of Heritabilities and Genetic Correlations. Evolution; International Journal of Organic Evolution, 1996, 50, 1442. | 1.1 | 80 |
| 33 | GENETIC AND ENVIRONMENTAL VARIATION IN LIFEâ€HISTORY TRAITS OF A MONOCARPIC PERENNIAL: A DECADEâ€LONG FIELD EXPERIMENT. Evolution; International Journal of Organic Evolution, 1997, 51, 373-382. | 1.1 | 79 |
| 34 | The Consequences of Floral Herbivory for Pollinator Service to Isomeris arborea. Ecology, 1999, 80, 125. | 1.5 | 75 |
| 35 | Phenotypic plasticity of floral volatiles in response to increasing drought stress. Annals of Botany, 2019, 123, 601-610. | 1.4 | 69 |
| 36 | Evolutionary Dynamics of an Ipomopsis Hybrid Zone: Confronting Models with Lifetime Fitness Data. American Naturalist, 2007, 169, 298-310. | 1.0 | 64 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 37 | VARIATION IN POLLINATOR PREFERENCE BETWEEN TWO IPOMOPSIS CONTACT SITES THAT DIFFER IN HYBRIDIZATION RATE. Evolution; International Journal of Organic Evolution, 2007, 61, 99-110. | 1.1 | 63 |
| 38 | Ecological Speciation in Flowering Plants. , 2004, , 264-277. | | 60 |
| 39 | Context-dependent reproductive isolation mediated by floral scent and color. Evolution; International Journal of Organic Evolution, 2015, 69, 1-13. | 1.1 | 60 |
| 40 | Cytoplasmic and nuclear markers reveal contrasting patterns of spatial genetic structure in a natural Ipomopsis hybrid zone. Molecular Ecology, 2005, 14, 781-792. | 2.0 | 59 |
| 41 | POLLEN TRANSFER BY NATURAL HYBRIDS AND PARENTAL SPECIES IN AN <i>IPOMOPSIS</i> HYBRID ZONE. Evolution; International Journal of Organic Evolution, 1998, 52, 1602-1611. | 1.1 | 58 |
| 42 | BRIDGING THE GENERATION GAP IN PLANTS: POLLINATION, PARENTAL FECUNDITY, AND OFFSPRING DEMOGRAPHY. Ecology, 2008, 89, 1596-1604. | 1.5 | 58 |
| 43 | Predicting Patterns of Mating and Potential Hybridization from Pollinator Behavior. American Naturalist, 2002, 159, 438-450. | 1.0 | 54 |
| 44 | The Evolution of Plant Mating Systems: Multilocus Simulations of Pollen Dispersal. American Naturalist, 1987, 129, 593-609. | 1.0 | 53 |
| 45 | Differential performance of reciprocal hybrids in multiple environments. Journal of Ecology, 2008, 96, 1306-1318. | 1.9 | 53 |
| 46 | 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. | 2.7 | 51 |
| 47 | Multiple paternity in fruits of Ipomopsis Aggregata (Polemoniaceae). American Journal of Botany, 1998, 85, 1022-1027. | 0.8 | 49 |
| 48 | Using phenotypic manipulations to study multivariate selection of floral trait associations. Annals of Botany, 2009, 103, 1557-1566. | 1.4 | 49 |
| 49 | Genetic correlation between biomass allocation to male and female functions in a natural population of Ipomopsis aggregata. Heredity, 1997, 79, 606-614. | 1.2 | 48 |
| 50 | Tests of pre- and postpollination barriers to hybridization between sympatric species ofIpomopsis(Polemoniaceae). American Journal of Botany, 2001, 88, 213-219. | 0.8 | 48 |
| 51 | Inflorescence Size: Test of the Male Function Hypothesis. American Journal of Botany, 1989, 76, 730. | 0.8 | 46 |
| 52 | Butterflies show flower colour preferences but not constancy in foraging at four plant species. Ecological Entomology, 2011, 36, 290-300. | 1.1 | 43 |
| 53 | INTERPOPULATIONAL VARIATION IN FRUIT PRODUCTION: THE ROLE OF POLLINATIONâ€LIMITATION IN THE OLYMPIC MOUNTAINS. American Journal of Botany, 1987, 74, 269-273. | 0.8 | 42 |
| 54 | Reproductive isolation and hybrid pollen disadvantage in Ipomopsis. Journal of Evolutionary Biology, 2003, 16, 536-540. | 0.8 | 42 |

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|---|---|---|---|
| 55 | 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, 331-342. | 0.8 | 42 |
| 56 | Natural selection on floral morphology can be influenced by climate. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150178. | 1.2 | 42 |
| 57 | 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. | 0.7 | 41 |
| 58 | Pollen and Gene Dispersal: The Influences of Competition for Pollination. Evolution; International Journal of Organic Evolution, 1985, 39, 418. | 1.1 | 40 |
| 59 | Reproductive isolation between <i>Zaluzianskya</i> species: the influence of volatiles and flower orientation on hawkmoth foraging choices. New Phytologist, 2016, 210, 333-342. | 3.5 | 40 |
| 60 | Ecophysiology of first and second generation hybrids in a natural plant hybrid zone. Oecologia, 2005, 144, 214-225. | 0.9 | 38 |
| 61 | Floral neighborhood influences pollinator assemblages and effective pollination in a native plant. Oecologia, 2014, 176, 465-476. | 0.9 | 38 |
| 62 | Adaptive Significance of Flower Color and Inter-Trait Correlations in an Ipomopsis Hybrid Zone. Evolution; International Journal of Organic Evolution, 1998, 52, 1293. | 1.1 | 37 |
| 63 | LIFETIME FITNESS IN TWO GENERATIONS OF<i>IPOMOPSIS</i>HYBRIDS. Evolution; International Journal of Organic Evolution, 2008, 62, 2616-2627. | 1.1 | 37 |
| 64 | 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. | 1.1 | 35 |
| 65 | Predicting Plant Reproductive Success from Models of Competition for Pollination. Oikos, 1986, 47, 257. | 1.2 | 34 |
| 66 | Floral scent in natural hybrids of Ipomopsis (Polemoniaceae) and their parental species. Annals of Botany, 2014, 113, 533-544. | 1.4 | 34 |
| 67 | Environmental stressors differentially affect leaf ecophysiological responses in two Ipomopsis species and their hybrids. Oecologia, 2006, 148, 202-212. | 0.9 | 33 |
| 68 | Photosynthetic and growth responses of reciprocal hybrids to variation in water and nitrogen availability. American Journal of Botany, 2010, 97, 925-933. | 0.8 | 33 |
| 69 | VARIATION IN SEX ALLOCATION AND FLORAL MORPHOLOGY IN IPOMOPSIS AGGREGATA (POLEMONIACEAE). American Journal of Botany, 1992, 79, 516-521. | 0.8 | 32 |
| 70 | 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. | 3.3 | 32 |
| 71 | Indirect Selection of Stigma Position in Ipomopsis aggregata via a Genetically Correlated Trait. Evolution; International Journal of Organic Evolution, 1994, 48, 55. | 1.1 | 30 |
| 72 | Genetic variation of ecophysiological traits in two gynodioecious species of Schiedea (Caryophyllaceae). New Phytologist, 2006, 169, 589-601. | 3.5 | 29 |

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|---|---|---|---|
| 73 | Interpopulational Variation in Fruit Production: The Role of Pollination-Limitation in the Olympic Mountains. American Journal of Botany, 1987, 74, 269. | 0.8 | 28 |
| 74 | Comparing Pollen Dispersal and Gene Flow in a Natural Population. Evolution; International Journal of Organic Evolution, 1991, 45, 1965. | 1.1 | 28 |
| 75 | Genetic and morphological patterns show variation in frequency of hybrids between Ipomopsis (Polemoniaceae) zones of sympatry. Heredity, 2009, 102, 257-265. | 1.2 | 28 |
| 76 | Where have all the blue flowers gone: pollinator responses and selection on flower colour in New Zealand <i>Wahlenbergia albomarginata</i>. Journal of Evolutionary Biology, 2012, 25, 352-364. | 0.8 | 28 |
| 77 | Variation in Pollen Flow Within and Among Populations of Ipomopsis aggregata. Evolution; International Journal of Organic Evolution, 1989, 43, 1444. | 1.1 | 26 |
| 78 | Pollination of a native plant changes with distance and density of invasive plants in a simulated biological invasion. American Journal of Botany, 2016, 103, 1458-1465. | 0.8 | 26 |
| 79 | Pollen Transfer by Natural Hybrids and Parental Species in an Ipomopsis Hybrid Zone. Evolution; International Journal of Organic Evolution, 1998, 52, 1602. | 1.1 | 25 |
| 80 | Variation in Lifetime Male Fitness inIpomopsis aggregata: Tests of Sex Allocation Theory. American Naturalist, 1998, 152, 338-353. | 1.0 | 25 |
| 81 | 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, 757-770. | 1.1 | 25 |
| 82 | Absence of conspecific pollen advantage in the dynamics of an Ipomopsis (Polemoniaceae) hybrid zone. American Journal of Botany, 2000, 87, 819-824. | 0.8 | 24 |
| 83 | GENOTYPE-BY-ENVIRONMENT INTERACTION AND THE FITNESS OF PLANT HYBRIDS IN THE WILD. Evolution; International Journal of Organic Evolution, 2001, 55, 669-676. | 1.1 | 24 |
| 84 | Improving our chemistry: challenges and opportunities in the interdisciplinary study of floral volatiles. Natural Product Reports, 2015, 32, 893-903. | 5.2 | 24 |
| 85 | Asymmetrical pollen success in<i>Ipomopsis</i>(Polemoniaceae) contact sites. American Journal of Botany, 2006, 93, 903-909. | 0.8 | 23 |
| 86 | Resistance to pre-dispersal seed predators in a natural hybrid zone. Oecologia, 2002, 131, 436-443. | 0.9 | 22 |
| 87 | Pollinator Shifts and the Origin and Loss of Plant Species1. Annals of the Missouri Botanical Garden, 2008, 95, 264-274. | 1.3 | 22 |
| 88 | Altered precipitation affects plant hybrids differently than their parental species. American Journal of Botany, 2013, 100, 1322-1331. | 0.8 | 22 |
| 89 | Leaf physiology reflects environmental differences and cytoplasmic background in<i>Ipomopsis</i>(Polemoniaceae) hybrids. American Journal of Botany, 2007, 94, 1804-1812. | 0.8 | 20 |
| 90 | Density-dependent demographic responses of a semelparous plant to natural variation in seed rain. Oikos, 2010, 119, 1929-1935. | 1.2 | 19 |

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|---|---|---|---|
| 91 | Sexual dimorphism and the genetic potential for evolution of sex allocation in the gynodioecious plant, <i>Schiedea salicaria</i>. Journal of Evolutionary Biology, 2008, 21, 18-29. | 0.8 | 18 |
| 92 | Selection of trait combinations through bee and fly visitation to flowers of <i>Polemonium foliosissimum</i>. Journal of Evolutionary Biology, 2014, 27, 325-336. | 0.8 | 18 |
| 93 | Plant Genotype: A Variable Factor in Insectâ€“Plant Interactions. , 1992, , 75-111. | | 18 |
| 94 | Is Plant Fitness Proportional to Seed Set? An Experiment and a Spatial Model. American Naturalist, 2017, 190, 818-827. | 1.0 | 17 |
| 95 | Physiological differences among two <i>Penstemon</i> species and their hybrids in field and common garden environments. New Phytologist, 2009, 181, 478-488. | 3.5 | 16 |
| 96 | Clines in traits compared over two decades in a plant hybrid zone. Annals of Botany, 2018, 122, 315-324. | 1.4 | 16 |
| 97 | Pollinator visitation rate and effectiveness vary with flowering phenology. American Journal of Botany, 2020, 107, 445-455. | 0.8 | 16 |
| 98 | Variation in Sex Allocation and Floral Morphology in Ipomopsis aggregata (Polemoniaceae). American Journal of Botany, 1992, 79, 516. | 0.8 | 14 |
| 99 | Hummingbird Behavior and Mechanisms of Selection on Flower Color in Ipomopsis. Ecology, 1997, 78, 2532. | 1.5 | 14 |
| 100 | Timing of invasive pollen deposition influences pollen tube growth and seed set in a native plant. Biological Invasions, 2016, 18, 1701-1711. | 1.2 | 13 |
| 101 | Floral Scent Composition and Fine-Scale Timing in Two Moth-Pollinated Hawaiian Schiedea (Caryophyllaceae). Frontiers in Plant Science, 2020, 11, 1116. | 1.7 | 13 |
| 102 | Genetic correlation between biomass allocation to male and female functions in a natural population of Ipomopsis aggregata. Heredity, 1997, 79, 606-614. | 1.2 | 13 |
| 103 | Selection for a floral trait is not mediated by pollen receipt even though seed set in the population is pollenâ€limited. Functional Ecology, 2013, 27, 1117-1125. | 1.7 | 12 |
| 104 | Earlier snow melt and reduced summer precipitation alter floral traits important to pollination. Global Change Biology, 2022, 28, 323-339. | 4.2 | 12 |
| 105 | Sexually dimorphic inflorescence traits in a windâ€pollinated species: heritabilities and genetic correlations in <i>Schiedea adamantis</i> (Caryophyllaceae). American Journal of Botany, 2007, 94, 1716-1725. | 0.8 | 11 |
| 106 | Soil fertility and parasitoids shape herbivore selection on plants. Journal of Ecology, 2014, 102, 1120-1128. | 1.9 | 9 |
| 107 | An enigmatic Hawaiian moth is a missing link in the adaptive radiation of <i>Schiedea</i>. New Phytologist, 2017, 213, 1533-1542. | 3.5 | 9 |
| 108 | Phenotypic plasticity and selection on leaf traits in response to snowmelt timing and summer precipitation. New Phytologist, 2022, 234, 1477-1490. | 3.5 | 9 |

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|---|---|---|---|
| 109 | Effects of Aggregation Size and Host Plant on the Survival of an Ant-Tended Membracid (Hemiptera:) Tj ETQq1 1 0.784314 rgBT /Overlo Entomological Society of America, 2008, 101, 70-78. | 1.3 | 7 |
| 110 | Selection of Floral Traits by Pollinators and Seed Predators during Sequential Life History Stages. American Naturalist, 2022, 199, 808-823. | 1.0 | 7 |
| 111 | Measure for measure: Comparing morphological and biomass traits for sex allocation in two gynodioecious species. American Journal of Botany, 2013, 100, 1071-1082. | 0.8 | 6 |
| 112 | Differences in Flowering Phenology Are Likely Not the Product of Competition for Pollination in <i>Clarkia</i> Communities. International Journal of Plant Sciences, 2019, 180, 974-986. | 0.6 | 6 |
| 113 | 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, . | 1.1 | 6 |
| 114 | Water influences how seed production responds to conspecific and heterospecific pollen. American Journal of Botany, 2019, 106, 713-721. | 0.8 | 4 |
| 115 | Variation in floral volatiles across time, sexes, and populations of windâ€pollinated <i>Schiedea globosa</i>. American Journal of Botany, 2022, 109, 345-360. | 0.8 | 4 |
| 116 | Geographical Variation in Hybridization of <i>Ipomopsis</i> (Polemoniaceae): Testing the Role of Photosynthetic Responses to Temperature and Water. International Journal of Plant Sciences, 2013, 174, 57-64. | 0.6 | 3 |
| 117 | Water availability affects the relationship between pollen intensity and seed production. AoB PLANTS, 2021, 13, plab074. | 1.2 | 2 |
| 118 | Advanced phenology of intraguild predators shifts herbivore host plant preference and performance. Ecological Entomology, 2020, 45, 1004-1014. | 1.1 | 1 |
| 119 | Unraveling the ecological and evolutionary impacts of a plant invader on the pollination of a native plant. Biological Invasions, 2021, 23, 1533-1547. | 1.2 | 0 |
| 120 | Comparative impacts of longâ€term trends in snowmelt and species interactions on plant population dynamics. Journal of Ecology, 2022, 110, 1102-1112. | 1.9 | 0 |