Johanne Brunet

List of Publications by Year
in descending order

56	2,007	279798 23	243625 44
papers	citations	h-index	g-index

58	58	58	1669
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genetic structure and domestication of carrot (Daucus carota subsp. sativus) (Apiaceae). American Journal of Botany, 2013, 100, 930-938.	1.7	167
2	Hypotheses for the evolution of dioecy in seed plants. Trends in Ecology and Evolution, 1990, 5, 11-16.	8.7	163
3	Sex allocation in hermaphroditic plants. Trends in Ecology and Evolution, 1992, 7, 79-84.	8.7	132
4	FLORAL SEX ALLOCATION IN SEQUENTIALLY BLOOMING PLANTS. Evolution; International Journal of Organic Evolution, 1995, 49, 70-79.	2.3	126
5	IMPACT OF INSECT POLLINATOR GROUP AND FLORAL DISPLAY SIZE ON OUTCROSSING RATE. Evolution; International Journal of Organic Evolution, 2006, 60, 234-246.	2.3	113
6	Effects of floral morphology and display on outcrossing in Blue Columbine, Aquilegia caerulea (Ranunculaceae). Functional Ecology, 1998, 12, 596-606.	3.6	106
7	Floral Sex Allocation in Sequentially Blooming Plants. Evolution; International Journal of Organic Evolution, 1995, 49, 70.	2.3	95
8	Male Reproductive Success and Variation in Fruit and Seed Set in Aquilegia Caerulea (Ranunculaceae). Ecology, 1996, 77, 2458-2471.	3.2	94
9	DIFFERENTIAL SUCCESS OF POLLEN DONORS IN A SELFâ€COMPATIBLE LILY. Evolution; International Journal of Organic Evolution, 1993, 47, 915-924.	2.3	74
10	Pollinators of the Rocky Mountain columbine: temporal variation, functional groups and associations with floral traits. Annals of Botany, 2009, 103, 1567-1578.	2.9	66
11	ORIGINAL ARTICLE: The extent of hybridization and its impact on the genetic diversity and population structure of an invasive tree, Ulmus pumila (Ulmaceae). Evolutionary Applications, 2010, 3, 157-168.	3.1	65
12	Patterns of hybridization and introgression between invasive Ulmus pumila (Ulmaceae) and native U. rubra. American Journal of Botany, 2009, 96, 1116-1128.	1.7	60
13	Phylogenetic insights into the correlates of dioecy in meadow-rues (Thalictrum, Ranunculaceae). Molecular Phylogenetics and Evolution, 2012, 63, 180-192.	2.7	59
14	Floral traits influencing plant attractiveness to three bee species: Consequences for plant reproductive success. American Journal of Botany, 2017, 104, 772-781.	1.7	58
15	Hybridization and introgression between the exotic Siberian elm, Ulmus pumila, and the native Field elm, U. minor, in Italy. Biological Invasions, 2013, 15, 2717-2730.	2.4	39
16	The influence of distinct pollinators on female and male reproductive success in the Rocky Mountain columbine. Molecular Ecology, 2009, 18, 3745-3758.	3.9	37
17	The Effects of Flower, Floral Display, and Reward Sizes on Bumblebee Foraging Behavior When Pollen Is the Reward and Plants Are Dichogamous. International Journal of Plant Sciences, 2015, 176, 811-819.	1.3	36
18	Strong Interspecific Differences in Foraging Activity Observed Between Honey Bees and Bumble Bees Using Miniaturized Radio Frequency Identification (RFID). Frontiers in Ecology and Evolution, 2018, 6, .	2.2	35

#	Article	IF	Citations
19	Linking the foraging behavior of three bee species to pollen dispersal and gene flow. PLoS ONE, 2019, 14, e0212561.	2.5	32
20	The role of pollinators in maintaining variation in flower colour in the Rocky Mountain columbine,Aquilegia coerulea. Annals of Botany, 2015, 115, 971-979.	2.9	28
21	DISEASE, FREQUENCY-DEPENDENT SELECTION, AND GENETIC POLYMORPHISMS: EXPERIMENTS WITH STRIPE RUST AND WHEAT. Evolution; International Journal of Organic Evolution, 2000, 54, 406-415.	2.3	27
22	Isolation and characterization of microsatellite markers for red elm (Ulmus rubra Muhl.) and cross-species amplification with Siberian elm (Ulmus pumila L.). Molecular Ecology Resources, 2008, 8, 109-112.	4.8	27
23	Impact of insect pollinator group and floral display size on outcrossing rate. Evolution; International Journal of Organic Evolution, 2006, 60, 234-46.	2.3	24
24	Impact of Bee Species and Plant Density on Alfalfa Pollination and Potential for Gene Flow. Psyche: Journal of Entomology, 2010, 2010, 1-7.	0.9	23
25	The Maintenance of Selfing in a Population of the Rocky Mountain Columbine. International Journal of Plant Sciences, 2006, 167, 213-219.	1.3	22
26	Genetic diversity and relationships among Dutch elm disease tolerantUlmus pumilaL. accessions from China. Genome, 2008, 51, 492-500.	2.0	22
27	The Response of Floral Traits Associated with Pollinator Attraction to Environmental Changes Expected under Anthropogenic Climate Change in High-Altitude Habitats. International Journal of Plant Sciences, 2019, 180, 954-964.	1.3	20
28	Netting and pan traps fail to identify the pollinator guild of an agricultural crop. Scientific Reports, 2020, 10, 13819.	3.3	19
29	Selfing Rate in an Alfalfa Seed Production Field Pollinated with Leafcutter Bees. Crop Science, 2015, 55, 1087-1095.	1.8	18
30	Effects of competition on resistance gene polymorphism in a plant/pathogen system. Heredity, 2000, 85, 393-400.	2.6	17
31	The Impact of Global Warming on Floral Traits That Affect the Selfing Rate in a High-Altitude Plant. International Journal of Plant Sciences, 2013, 174, 1099-1108.	1.3	16
32	The effects of time, temperature and plant variety on pollen viability and its implications for gene flow risk. Plant Biology, 2019, 21, 715-722.	3.8	16
33	Phenotypic Selection on Flower Color and Floral Display Size by Three Bee Species. Frontiers in Plant Science, 2020, 11, 587528.	3.6	16
34	The Distribution of Genetic Diversity Within and Among Populations of the Rocky Mountain Columbine: The Impact of Gene Flow, Pollinators, and Mating System. International Journal of Plant Sciences, 2012, 173, 484-494.	1.3	15
35	The response of flowering time to global warming in a high-altitude plant: the impact of genetics and the environment. Botany, 2012, 90, 319-326.	1.0	15
36	Differential Success of Pollen Donors in a Self-Compatible Lily. Evolution; International Journal of Organic Evolution, 1993, 47, 915.	2.3	14

#	Article	IF	Citations
37	Conservation of genetic diversity in slippery elm (Ulmus rubra) in Wisconsin despite the devastating impact of Dutch elm disease. Conservation Genetics, 2016, 17, 1001-1010.	1.5	12
38	Intra- and interspecific hybridization in invasive Siberian elm. Biological Invasions, 2017, 19, 1889-1904.	2.4	12
39	Patch selection by bumble bees navigating discontinuous landscapes. Scientific Reports, 2021, 11, 8986.	3.3	12
40	Bee species visiting Medicago sativa differ in pollen deposition curves with consequences for gene flow. American Journal of Botany, 2021, 108, 1016-1028.	1.7	11
41	Surrounding landscape and spatial arrangement of honey bee hives affect pollen foraging and yield in cranberry. Agriculture, Ecosystems and Environment, 2019, 286, 106624.	5.3	10
42	Polyploidy and Gender Dimorphism. Science, 2001, 291, 1441a-1441.	12.6	8
43	Self-Fertilization, Inbreeding, and Yield in Alfalfa Seed Production. Frontiers in Plant Science, 2021, 12, 700708.	3.6	8
44	Gene flow in commercial alfalfa (Medicago sativa subsp. sativa L.) seed production fields: Distance is the primary but not the sole influence on adventitious presence. PLoS ONE, 2021, 16, e0248746.	2.5	7
45	Impact of density and disease on frequency-dependent selection and genetic polymorphism: experiments with stripe rust and wheat. Evolutionary Ecology, 2008, 22, 637-657.	1.2	6
46	DISEASE, FREQUENCY-DEPENDENT SELECTION, AND GENETIC POLYMORPHISMS: EXPERIMENTS WITH STRIPE RUST AND WHEAT. Evolution; International Journal of Organic Evolution, 2000, 54, 406.	2.3	5
47	IMPACT OF INSECT POLLINATOR GROUP AND FLORAL DISPLAY SIZE ON OUTCROSSING RATE. Evolution; International Journal of Organic Evolution, 2006, 60, 234.	2.3	3
48	Using population matrix models to reduce the spread of wild carrot. Acta Horticulturae, 2017, , 273-278.	0.2	3
49	Gene Flow in Carrot. Compendium of Plant Genomes, 2019, , 59-76.	0.5	3
50	Combined effects of disease and competition on plant fitness. Canadian Journal of Botany, 2000, 78, 646-654.	1.1	3
51	Floral Evolution: Breeding Systems, Pollinators, and Beyond. International Journal of Plant Sciences, 2019, 180, 929-933.	1.3	2
52	Genetic markers to detect introgression of cultivar genes in wild carrot populations. Acta Horticulturae, 2019, , 165-174.	0.2	2
53	Populationâ€specific responses of floral volatiles to abiotic factors in changing environments. American Journal of Botany, 2022, , .	1.7	2
54	Pollinator Decline: Implications for Food Security & Environment. , 2019, , .		1

#	Article	IF	Citations
55	The Use of Sequence-Based SSR Mining for the Development of a Vast Collection of Microsatellites in <i>Aquilegia formosa</i>. American Journal of Plant Sciences, 2014, 05, 2402-2412.	0.8	1
56	Combined effects of disease and competition on plant fitness. Canadian Journal of Botany, 2000, 78, 646-654.	1.1	0