

Shuang-Quan Huang

List of Publications by Year in descending order

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79
papers

1,981
citations

257357

24
h-index

302012

39
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80
all docs

80
docs citations

80
times ranked

1493
citing authors

#	ARTICLE	IF	CITATIONS
1	A directed network analysis of heterospecific pollen transfer in a biodiverse community. <i>Ecology</i> , 2013, 94, 1176-1185.	1.5	114
2	Floral diversity and community structure in <i>Pedicularis</i> (Orobanchaceae). <i>Ecology</i> , 2012, 93, S182.	1.5	96
3	Multifunctional Bracts in the Dove Tree <i>Davidia involucrata</i> (Nyssaceae: Cornales): Rain Protection and Pollinator Attraction. <i>American Naturalist</i> , 2008, 171, 119-124.	1.0	95
4	Why does the flower stalk of <i>Pulsatilla cernua</i> (Ranunculaceae) bend during anthesis?. <i>American Journal of Botany</i> , 2002, 89, 1599-1603.	0.8	80
5	Floral isolation in <i>Pedicularis</i> : how do congeners with shared pollinators minimize reproductive interference?. <i>New Phytologist</i> , 2013, 199, 858-865.	3.5	80
6	Temporal scale dependence of plant-pollinator networks. <i>Oikos</i> , 2020, 129, 1289-1302.	1.2	66
7	Floral symmetry: pollinator-mediated stabilizing selection on flower size in bilateral species. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 4013-4020.	1.2	61
8	Pollen resistance to water in 80 angiosperm species: flower structures protect rain-susceptible pollen. <i>New Phytologist</i> , 2009, 183, 892-899.	3.5	61
9	Buzz pollination in eight bumblebee-pollinated <i>Pedicularis</i> species: does it involve vibration-induced triboelectric charging of pollen grains?. <i>Annals of Botany</i> , 2014, 114, 1665-1674.	1.4	55
10	Do specialized flowers promote reproductive isolation? Realized pollination accuracy of three sympatric <i>Pedicularis</i> species. <i>Annals of Botany</i> , 2014, 113, 331-340.	1.4	53
11	Relative Stability of Core Groups in Pollination Networks in a Biodiversity Hotspot over Four Years. <i>PLoS ONE</i> , 2012, 7, e32663.	1.1	46
12	Flower dimorphism and the maintenance of andromonoecy in <i>Sagittaria guyanensis</i> ssp. <i>lappula</i> (Alismataceae). <i>New Phytologist</i> , 2003, 157, 357-364.	3.5	42
13	Corolla wilting facilitates delayed autonomous self-pollination in <i>Pedicularis dunniana</i> (Orobanchaceae). <i>Plant Systematics and Evolution</i> , 2005, 251, 229-237.	0.3	41
14	Safe sites of pollen placement: a conflict of interest between plants and bees?. <i>Oecologia</i> , 2018, 186, 163-171.	0.9	41
15	Generalist passerine pollination of a winter-flowering fruit tree in central China. <i>Annals of Botany</i> , 2012, 109, 379-384.	1.4	40
16	Nectar yeasts enhance the interaction between <i>Clematis akebioides</i> and its bumblebee pollinator. <i>Plant Biology</i> , 2019, 21, 732-737.	1.8	40
17	Interspecific pollen transfer between two coflowering species was minimized by bumblebee fidelity and differential pollen placement on the bumblebee body. <i>Journal of Plant Ecology</i> , 2015, 8, 109-115.	1.2	38
18	Gender Variation of Sequential Inflorescences in a Monoecious Plant <i>Sagittaria trifolia</i> (Alismataceae). <i>Annals of Botany</i> , 2002, 90, 613-622.	1.4	37

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19	Are Pollination "Syndromes" Predictive? Asian <i>Dalechampia</i> Fit Neotropical Models. <i>American Naturalist</i> , 2011, 178, 135-143.	1.0	37
20	TEMPORAL FLORAL SEX ALLOCATION IN PROTOGYNOUS <i>AQUILEGIA YABEANA</i> CONTRASTS WITH PROTANDROUS SPECIES: SUPPORT FOR THE MATING ENVIRONMENT HYPOTHESIS. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 1131-1134.	1.1	36
21	Pre- and post-pollination interaction between six co-flowering <i>Pedicularis</i> species via heterospecific pollen transfer. <i>New Phytologist</i> , 2016, 211, 1452-1461.	3.5	36
22	Pollinator response to female and male floral display in a monoecious species and its implications for the evolution of floral dimorphism. <i>New Phytologist</i> , 2006, 171, 417-424.	3.5	35
23	Evidence for reductions in floral attractants with increased selfing rates in two heterandrous species. <i>New Phytologist</i> , 2007, 175, 588-595.	3.5	29
24	Temporal stability of pollinator preference in an alpine plant community and its implications for the evolution of floral traits. <i>Oecologia</i> , 2011, 166, 671-680.	0.9	28
25	Red young leaves have less mechanical defence than green young leaves. <i>Oikos</i> , 2013, 122, 1035-1041.	1.2	27
26	Interspecific variation in pollen:ovule ratio is negatively correlated with pollen transfer efficiency in a natural community. <i>Plant Biology</i> , 2014, 16, 843-847.	1.8	25
27	Extra-gynoecial pollen tube growth in apocarpous angiosperms is phylogenetically widespread and probably adaptive. <i>New Phytologist</i> , 2012, 193, 253-260.	3.5	24
28	Floral divergence, pollinator partitioning and the spatiotemporal pattern of plant-pollinator interactions in three sympatric <i>Adenophora</i> species. <i>Oecologia</i> , 2013, 173, 1411-1423.	0.9	24
29	A paradoxical mismatch between interspecific pollinator moves and heterospecific pollen receipt in a natural community. <i>Ecology</i> , 2016, 97, 1970-1978.	1.5	23
30	Evidence for passerine bird pollination in <i>Rhododendron</i> species. <i>AoB PLANTS</i> , 2017, 9, plx062.	1.2	23
31	Bumblebee Rejection of Toxic Pollen Facilitates Pollen Transfer. <i>Current Biology</i> , 2019, 29, 1401-1406.e4.	1.8	23
32	Nectar properties and the role of sunbirds as pollinators of the golden-flowered tea (<i>Camellia</i>). <i>Journal of Ecology</i> , 2019, 107, 107-115.	0.8	22
33	Parthenogenesis Maintains Male Sterility in a Cynodioecious Orchid. <i>American Naturalist</i> , 2009, 174, 578-584.	1.0	21
34	Multi-year stigmatic pollen load sampling reveals temporal stability in interspecific pollination of flowers in a subalpine meadow. <i>Oikos</i> , 2019, 128, 1739-1747.	1.2	21
35	Pollen grain size associated with pollinator feeding strategy. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201191.	1.2	20
36	Pollinator shift to managed honeybees enhances reproductive output in a bumblebee-pollinated plant. <i>Plant Systematics and Evolution</i> , 2013, 299, 139-150.	0.3	19

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37	Mast fruiting in a hawkmoth-pollinated orchid <i>Habenaria glaucifolia</i> : an 8-year survey. <i>Journal of Plant Ecology</i> , 2015, 8, 136-141.	1.2	19
38	Experimental Evidence of Insect Pollination in Juncaceae, a Primarily Wind-Pollinated Family. <i>International Journal of Plant Sciences</i> , 2013, 174, 1219-1228.	0.6	18
39	Shortened anther-stigma distance reduces compatible pollination in two distylous <i>Primula</i> species. <i>Journal of Plant Ecology</i> , 2016, 9, 224-232.	1.2	18
40	Color-matching between pollen and corolla: hiding pollen via visual crypsis?. <i>New Phytologist</i> , 2019, 224, 1142-1150.	3.5	18
41	Floral traits and isolation of three sympatric <i>Aquilegia</i> species in the Qinling Mountains, China. <i>Plant Systematics and Evolution</i> , 2007, 267, 121-128.	0.3	17
42	Small bees overheat in sunlit flowers: do they make cooling flights?. <i>Ecological Entomology</i> , 2016, 41, 344-350.	1.1	17
43	Transitions from distyly to homostyly are associated with floral evolution in the buckwheat genus (<i>Fagopyrum</i>). <i>American Journal of Botany</i> , 2017, 104, 1232-1240.	0.8	17
44	Geographic consistency and variation in conflicting selection generated by pollinators and seed predators. <i>Annals of Botany</i> , 2016, 118, 227-237.	1.4	16
45	Pollen aggregation by viscin threads in <i>Rhododendron</i> varies with pollinator. <i>New Phytologist</i> , 2019, 221, 1150-1159.	3.5	16
46	Differentiation of Floral Traits Associated with Pollinator Preference in a Generalist-Pollinated Herb, <i>Trollius ranunculoides</i> (Ranunculaceae). <i>International Journal of Plant Sciences</i> , 2013, 174, 637-646.	0.6	15
47	Pistillate flowers experience more pollen limitation and less geitonogamy than perfect flowers in a gynomonoeious herb. <i>New Phytologist</i> , 2014, 201, 670-677.	3.5	15
48	Plant-pollinator interactions in a biodiverse meadow are rather stable and tight for 3 consecutive years. <i>Integrative Zoology</i> , 2016, 11, 199-206.	1.3	15
49	Nectar supplementation changes pollinator behaviour and pollination mode in <i>Pedicularis dichotoma</i> : implications for evolutionary transitions. <i>Annals of Botany</i> , 2019, 123, 373-380.	1.4	15
50	Reproductive success by unusual growth of pollen tubes to ovules. <i>New Phytologist</i> , 2003, 158, 232-234.	3.5	12
51	The effect of flower position on variation and covariation in floral traits in a wild hermaphrodite plant. <i>BMC Plant Biology</i> , 2010, 10, 91.	1.6	12
52	Pollinator scarcity drives the shift to delayed selfing in Himalayan mayapple <i>Podophyllum hexandrum</i> (Berberidaceae). <i>AoB PLANTS</i> , 2013, 5, .	1.2	12
53	Pollen size strongly correlates with stigma depth among <i>Pedicularis</i> species. <i>Journal of Integrative Plant Biology</i> , 2016, 58, 818-821.	4.1	12
54	Evidence for asymmetrical hybridization despite pre- and post-pollination reproductive barriers between two <i>Silene</i> species. <i>AoB PLANTS</i> , 2016, 8, .	1.2	12

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55	Pollen competition between morphs in a pollen-color dimorphic herb and the loss of phenotypic polymorphism within populations. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 785-797.	1.1	12
56	Production of male flowers does not decrease with plant size in insect-pollinated <i>Sagittaria trifolia</i> , contrary to predictions of size-dependent sex allocation. <i>Journal of Systematics and Evolution</i> , 2011, 49, 379-385.	1.6	11
57	Heterostyly promotes compatible pollination in buckwheats: Comparisons of intraflower, intraplant, and interplant pollen flow in distylous and homostylous <i>Fagopyrum</i> . <i>American Journal of Botany</i> , 2018, 105, 108-116.	0.8	11
58	Pollinator effectiveness and importance between female and male mining bee (<i>Andrena</i>). <i>Biology Letters</i> , 2019, 15, 20190479.	1.0	11
59	Are long corolla tubes in <i>Pedicularis</i> driven by pollinator selection?. <i>Journal of Integrative Plant Biology</i> , 2016, 58, 698-700.	4.1	10
60	Discovery of Gynoecium Color Polymorphism in an Aquatic Plant. <i>Journal of Integrative Plant Biology</i> , 2008, 50, 1178-1182.	4.1	9
61	Effects of floral sexual investment and dichogamy on floral longevity. <i>Journal of Plant Ecology</i> , 2015, 8, 116-121.	1.2	9
62	Effective pollinia transfer by settling moths' legs in an orchid <i>Habenaria aitchisonii</i> . <i>Journal of Systematics and Evolution</i> , 2020, 58, 174-181.	1.6	8
63	Reproductive strategies of animal-pollinated plants on high mountains: A review of studies from the "Third Pole". <i>Journal of Systematics and Evolution</i> , 2020, , .	1.6	7
64	Altitude-related shift of relative abundance from insect to sunbird pollination in <i>Elaeagnus umbellata</i> (Elaeagnaceae). <i>Journal of Systematics and Evolution</i> , 2021, 59, 1266-1275.	1.6	7
65	Rainwater in cupulate bracts repels seed herbivores in a bumblebee-pollinated subalpine flower. <i>AoB PLANTS</i> , 2015, 7, .	1.2	6
66	Effects of soil moisture and floral herbivory on sexual expression in a gynodioecious orchid. <i>Journal of Systematics and Evolution</i> , 2012, 50, 454-459.	1.6	5
67	Flexibility of resource allocation in a hermaphroditic-gynodioecious herb through deployment of female and male resources in perfect flowers. <i>American Journal of Botany</i> , 2017, 104, 461-467.	0.8	5
68	Sunbirds serve as major pollinators for various populations of <i>Firmiana kwangsiensis</i> , a tree endemic to South China. <i>Journal of Systematics and Evolution</i> , 2018, 56, 243-249.	1.6	5
69	Both small and large plants are likely to produce staminate (male) flowers in a hermaphrodite lily. <i>Plant Diversity</i> , 2020, 42, 142-147.	1.8	5
70	Does the relative importance of resource competition and architectural effect in floral variation vary with stages of floral ontogeny?. <i>Journal of Systematics and Evolution</i> , 2012, 50, 119-124.	1.6	4
71	Discovery of androecium color polymorphism in <i>Epimedium pubescens</i> with habitat preference of anther/pollen color in the genus. <i>Journal of Plant Ecology</i> , 2018, 11, 533-541.	1.2	4
72	Maintenance of self-incompatibility in peripheral populations of a circumboreal woodland subshrub. <i>AoB PLANTS</i> , 2014, 6, .	1.2	3

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73	Transient dehydration of pollen carried by hot bees impedes fertilization. <i>Arthropod-Plant Interactions</i> , 2020, 14, 207-214.	0.5	3
74	An examination of nectar production in 34 species of <i>Dendrobium</i> indicates that deceptive pollination in the orchids is not popular. <i>Journal of Systematics and Evolution</i> , 2022, 60, 1371-1377.	1.6	3
75	Experimental sympatry suggests geographic isolation as an essential reproductive barrier between two sister species of <i>Pedicularis</i> . <i>Journal of Systematics and Evolution</i> , 2023, 61, 428-439.	1.6	3
76	Influence of plant size on female-biased sex allocation in a single-flowered, nectarless herb. <i>AoB PLANTS</i> , 2016, 8, .	1.2	2
77	Foraging behavior and pollination efficiency of generalist insects in an understory dioecious shrub <i>Helwingia japonica</i> . <i>American Journal of Botany</i> , 2020, 107, 1274-1282.	0.8	2
78	Airborne conifer pollen grains are rarely deposited on stigmas of coflowering insect-pollinated angiosperms. <i>Journal of Systematics and Evolution</i> , 2020, 58, 331-338.	1.6	1
79	Interspecific and intraspecific variation in corolla tube length in <i>Pedicularis</i> species achieved by both cell anisotropy and division. <i>Journal of Systematics and Evolution</i> , 2017, 55, 208-214.	1.6	0