Scott A Hodges

List of Publications by Year
in descending order

52 papers	4,597 citations	159585 30 h-index	175258 52 g-index
56 all docs	56 docs citations	56 times ranked	3860 citing authors

#	Article	IF	Citations
1	Pollinator shifts drive increasingly long nectar spurs in columbine flowers. Nature, 2007, 447, 706-709.	27.8	558
2	Are natural hybrids fit or unfit relative to their parents?. Trends in Ecology and Evolution, 1995, 10, 67-71.	8.7	539
3	A survey of nuclear ribosomal internal transcribed spacer substitution rates across angiosperms: an approximate molecular clock with life history effects. BMC Evolutionary Biology, 2006, 6, 36.	3.2	291
4	Sugar Composition of Nectars and Fruits Consumed by Birds and Bats in the Tropics and Subtropics1. Biotropica, 1998, 30, 559-586.	1.6	280
5	Floral isolation between Aquilegia formosa and Aquilegia pubescens. Proceedings of the Royal Society B: Biological Sciences, 1999, 266, 2247-2252.	2.6	226
6	Columbines: a geographically widespread species flock.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 5129-5132.	7.1	180
7	Floral Nectar Spurs and Diversification. International Journal of Plant Sciences, 1997, 158, S81-S88.	1.3	165
8	Divergence in mycorrhizal specialization within <i>Hexalectris spicata</i> (Orchidaceae), a nonphotosynthetic desert orchid. American Journal of Botany, 2003, 90, 1168-1179.	1.7	141
9	Floral and ecological isolation between Aquilegia formosa and Aquilegia pubescens.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 2493-2496.	7.1	130
10	T he influence of nectar production on hawkmoth behavior, self pollination, and seed production in M irabilis multiflora (N yctaginaceae). American Journal of Botany, 1995, 82, 197-204.	1.7	130
11	Genetics of Floral Traits Influencing Reproductive Isolation betweenAquilegia formosaandAquilegia pubescens. American Naturalist, 2002, 159, S51-S60.	2.1	129
12	The Aquilegia genome provides insight into adaptive radiation and reveals an extraordinarily polymorphic chromosome with a unique history. ELife, 2018, 7, .	6.0	120
13	Convergence, constraint and the role of gene expression during adaptive radiation: floral anthocyanins in Aquilegia. Molecular Ecology, 2006, 15, 4645-4657.	3.9	119
14	Are we there yet? Tracking the development of new model systems. Trends in Genetics, 2008, 24, 353-360.	6.7	109
15	Evidence for mycorrhizal races in a cheating orchid. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 35-43.	2.6	95
16	EFFECTS OF DIFFERENTIAL POLLENâ€TUBE GROWTH ON HYBRIDIZATION IN THE LOUISIANA IRISES. Evolution; International Journal of Organic Evolution, 1996, 50, 1871-1878.	2.3	92
17	Verne Grant and evolutionary studies of Aquilegia. New Phytologist, 2004, 161, 113-120.	7.3	90
18	Disruption of the petal identity gene <i>APETALA3-3</i> is highly correlated with loss of petals within the buttercup family (Ranunculaceae). Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5074-5079.	7.1	88

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19	Spatiotemporal reconstruction of the <i>Aquilegia</i> rapid radiation through nextâ€generation sequencing of rapidly evolving cp<scp>DNA</scp> regions. New Phytologist, 2013, 198, 579-592.	7.3	86
20	Floral Ontogeny of Aquilegia, Semiaquilegia, and Enemion (Ranunculaceae). International Journal of Plant Sciences, 2005, 166, 557-574.	1.3	78
21	<i>Aquilegia</i>as a model system for the evolution and ecology of petals. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 477-490.	4.0	77
22	Evolution of spur-length diversity in <i>Aquilegia</i> petals is achieved solely through cell-shape anisotropy. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 1640-1645.	2.6	76
23	The Influence of Nectar Production on Hawkmoth Behavior, Self Pollination, and Seed Production in Mirabilis multiflora (Nyctaginaceae). American Journal of Botany, 1995, 82, 197.	1.7	68
24	POLLENâ€TUBE COMPETITION, SIRING SUCCESS, AND CONSISTENT ASYMMETRIC HYBRIDIZATION IN LOUISIANA IRISES. Evolution; International Journal of Organic Evolution, 1996, 50, 2201-2206.	2.3	66
25	Adaptive radiations: From field to genomic studies. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9947-9954.	7.1	64
26	Landscape Genomics to Enable Conservation Actions: The California Conservation Genomics Project. Journal of Heredity, 2022, 113, 577-588.	2.4	59
27	Cryptic species in an endangered pondweed community (<i>Potamogeton</i>, Potamogetonaceae) revealed by AFLP markers. American Journal of Botany, 2004, 91, 2022-2029.	1.7	57
28	Generating single-copy nuclear gene data for a recent adaptive radiation. Molecular Phylogenetics and Evolution, 2006, 39, 124-134.	2.7	56
29	NATURAL FORMATION OF IRIS HYBRIDS: EXPERIMENTAL EVIDENCE ON THE ESTABLISHMENT OF HYBRID ZONES. Evolution; International Journal of Organic Evolution, 1996, 50, 2504-2509.	2.3	50
30	<i>POPOVICH</i> , encoding a C2H2 zinc-finger transcription factor, plays a central role in the development of a key innovation, floral nectar spurs, in <i>Aquilegia</i>. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22552-22560.	7.1	35
31	Consistent Interplant Variation in Nectar Characteristics of Mirabilis Multiflora. Ecology, 1993, 74, 542-548.	3.2	33
32	Effects of Differential Pollen-Tube Growth on Hybridization in the Louisiana Irises. Evolution; International Journal of Organic Evolution, 1996, 50, 1871.	2.3	30
33	Understanding the development and evolution of novel floral form in Aquilegia. Current Opinion in Plant Biology, 2014, 17, 22-27.	7.1	30
34	Within and between Whorls: Comparative Transcriptional Profiling of Aquilegia and Arabidopsis. PLoS ONE, 2010, 5, e9735.	2.5	26
35	The extent of clonality and genetic diversity in the Santa Cruz Island ironwood, Lyonothamnus floribundus. Molecular Ecology, 1999, 8, 471-475.	3.9	25
36	Pollen-Tube Competition, Siring Success, and Consistent Asymmetric Hybridization in Louisiana Irises. Evolution; International Journal of Organic Evolution, 1996, 50, 2201.	2.3	23

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37	Natural Formation of Iris Hybrids: Experimental Evidence on the Establishment of Hybrid Zones. Evolution; International Journal of Organic Evolution, 1996, 50, 2504.	2.3	23
38	Genetic Variation at Nuclear Loci Fails to Distinguish Two Morphologically Distinct Species of Aquilegia. PLoS ONE, 2010, 5, e8655.	2.5	23
39	Comparative transcriptomics of early petal development across four diverse species of Aquilegia reveal few genes consistently associated with nectar spur development. BMC Genomics, 2019, 20, 668.	2.8	18
40	Cross-species amplification of microsatellite loci in Aquilegia and Semiaquilegia (Ranunculaceae). Molecular Ecology Notes, 2005, 5, 317-320.	1.7	14
41	Early Inbreeding Depression Selects for High Outcrossing Rates in<i>Aquilegia formosa</i>and<i>Aquilegia pubescens</i>. International Journal of Plant Sciences, 2010, 171, 860-871.	1.3	14
42	Genetic architecture of floral traits in beeâ€•and hummingbirdâ€pollinated sister species of <i>Aquilegia</i> (columbine). Evolution; International Journal of Organic Evolution, 2021, 75, 2197-2216.	2.3	14
43	Genomic tools development for Aquilegia: construction of a BAC-based physical map. BMC Genomics, 2010, 11, 621.	2.8	13
44	Gene flow between nascent species: geographic, genotypic and phenotypic differentiation within and between <i>Aquilegia formosa</i> and <i>A.Âpubescens</i>. Molecular Ecology, 2014, 23, 5589-5598.	3.9	12
45	Columbines. Current Biology, 2007, 17, R992-R994.	3.9	9
46	Non-pollinator selection for a floral homeotic mutant conferring loss of nectar reward in Aquilegia coerulea. Current Biology, 2022, 32, 1332-1341.e5.	3.9	9
47	Floral evolution: One-sided evolution or two? A reply to Ennos. Heredity, 2008, 100, 541-542.	2.6	6
48	Genetic variation among mainland and island populations of a native perennial grass used in restoration. AoB PLANTS, 2014, 6, .	2.3	6
49	Reply from M.L. Arnold and S.A. Hodges. Trends in Ecology and Evolution, 1995, 10, 289.	8.7	4
50	Semiaquilegia danxiashanensis (Ranunculaceae), a new species from Danxia Shan in Guangdong, southern China. Phytotaxa, 2019, 405, 1.	0.3	3
51	Genetic architecture underlying variation in floral meristem termination in <i>Aquilegia</i>. Journal of Experimental Botany, 2022, 73, 6241-6254.	4.8	1
52	Genetics of Floral Traits Influencing Reproductive Isolation between Aquilegia formosa and Aquilegia pubescens. American Naturalist, 2002, 159, S51.	2.1	0