Tanja Slotte

List of Publications by Year
in descending order

49 papers	3,365 citations	186265 28 h-index	197818 49 g-index
64 all docs	64 docs citations	64 times ranked	3370 citing authors

#	Article	IF	Citations
1	The Capsella rubella genome and the genomic consequences of rapid mating system evolution. Nature Genetics, 2013, 45, 831-835.	21.4	374
2	Evolutionary consequences of self-fertilization in plants. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130133.	2.6	346
3	Recent speciation associated with the evolution of selfing inCapsella. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5241-5245.	7.1	245
4	Recent speciation ofCapsella rubellafromCapsella grandiflora, associated with loss of self-incompatibility and an extreme bottleneck. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5246-5251.	7.1	204
5	Genome-Wide Evidence for Efficient Positive and Purifying Selection in Capsella grandiflora, a Plant Species with a Large Effective Population Size. Molecular Biology and Evolution, 2010, 27, 1813-1821.	8.9	153
6	Hybrid origins and the earliest stages of diploidization in the highly successful recent polyploid Capsella bursa-pastoris. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2806-2811.	7.1	128
7	Pervasive population genomic consequences of genome duplication in Arabidopsis arenosa. Nature Ecology and Evolution, 2019, 3, 457-468.	7.8	102
8	Genomic Determinants of Protein Evolution and Polymorphism in Arabidopsis. Genome Biology and Evolution, 2011, 3, 1210-1219.	2.5	98
9	Polyploid Speciation Did Not Confer Instant Reproductive Isolation in Capsella (Brassicaceae). Molecular Biology and Evolution, 2008, 25, 1472-1481.	8.9	93
10	Shotgun Environmental DNA, Pollen, and Macrofossil Analysis of Lateglacial Lake Sediments From Southern Sweden. Frontiers in Ecology and Evolution, 2019, 7, .	2.2	91
11	Non-reciprocal Interspecies Hybridization Barriers in the Capsella Genus Are Established in the Endosperm. PLoS Genetics, 2015, 11, e1005295.	3.5	88
12	Genomic Identification of Founding Haplotypes Reveals the History of the Selfing Species Capsella rubella. PLoS Genetics, 2013, 9, e1003754.	3.5	86
13	Reduced Efficacy of Natural Selection on Codon Usage Bias in Selfing Arabidopsis and Capsella Species. Genome Biology and Evolution, 2011, 3, 868-880.	2.5	85
14	Rapid Evolution of Genomic Imprinting in Two Species of the Brassicaceae. Plant Cell, 2016, 28, 1815-1827.	6.6	84
15	Paternally expressed imprinted genes associate with hybridization barriers in Capsella. Nature Plants, 2018, 4, 352-357.	9.3	81
16	GENETIC ARCHITECTURE AND ADAPTIVE SIGNIFICANCE OF THE SELFING SYNDROME INCAPSELLA. Evolution; International Journal of Organic Evolution, 2012, 66, 1360-1374.	2.3	79
17	Archaeal community changes in Lateglacial lake sediments: Evidence from ancient DNA. Quaternary Science Reviews, 2018, 181, 19-29.	3.0	78
18	Long-term balancing selection drives evolution of immunity genes in Capsella. ELife, 2019, 8, .	6.0	69

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19	Contrasting demographic history and population structure in Capsella rubella and Capsella grandiflora, two closely related species with different mating systems. Molecular Ecology, 2011, 20, 3306-3320.	3.9	63
20	The Genomic Architecture and Evolutionary Fates of Supergenes. Genome Biology and Evolution, 2021, 13, .	2.5	63
21	The impact of linked selection on plant genomic variation. Briefings in Functional Genomics, 2014, 13, 268-275.	2.7	61
22	Genomic basis of parallel adaptation varies with divergence in Arabidopsis and its relatives. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	61
23	Intrageneric phylogeny of Capsella (Brassicaceae) and the origin of the tetraploid C. bursaâ€pastoris based on chloroplast and nuclear DNA sequences. American Journal of Botany, 2006, 93, 1714-1724.	1.7	58
24	Demography and mating system shape the genome-wide impact of purifying selection in Arabis alpina. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 816-821.	7.1	55
25	Genomic analysis reveals major determinants ofcis-regulatory variation inCapsella grandiflora. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1087-1092.	7.1	50
26	Differential Expression of Genes Important for Adaptation inCapsella bursa-pastoris(Brassicaceae). Plant Physiology, 2007, 145, 160-173.	4.8	45
27	Genomic legacies of the progenitors and the evolutionary consequences of allopolyploidy. Current Opinion in Plant Biology, 2016, 30, 88-93.	7.1	45
28	Splicing Variation at a FLOWERING LOCUS C Homeolog Is Associated With Flowering Time Variation in the Tetraploid Capsella bursa-pastoris. Genetics, 2009, 183, 337-345.	2.9	38
29	Cis-Regulatory Changes Associated with a Recent Mating System Shift and Floral Adaptation inCapsella. Molecular Biology and Evolution, 2015, 32, 2501-2514.	8.9	35
30	Signatures of balancing selection are maintained at disease resistance loci following mating system evolution and a population bottleneck in the genus Capsella. BMC Evolutionary Biology, 2012, 12, 152.	3.2	32
31	Single-cell expression noise and gene-body methylation in Arabidopsis thaliana. Heredity, 2019, 123, 81-91.	2.6	30
32	Coalescent-Based Analysis Distinguishes between Allo- and Autopolyploid Origin in Shepherd's Purse (Capsella bursa-pastoris). Molecular Biology and Evolution, 2012, 29, 1721-1733.	8.9	29
33	Genetic basis and timing of a major mating system shift in Capsella. New Phytologist, 2019, 224, 505-517.	7.3	23
34	The Role of Small RNA-Based Epigenetic Silencing for Purifying Selection on Transposable Elements in Capsella grandiflora. Genome Biology and Evolution, 2017, 9, 2911-2920.	2.5	18
35	Hybrid seed incompatibility in Capsella is connected to chromatin condensation defects in the endosperm. PLoS Genetics, 2021, 17, e1009370.	3.5	17
36	Population Genomics of Transitions to Selfing in Brassicaceae Model Systems. Methods in Molecular Biology, 2020, 2090, 269-287.	0.9	15

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37	The genome of Draba nivalis shows signatures of adaptation to the extreme environmental stresses of the Arctic. Molecular Ecology Resources, 2021, 21, 661-676.	4.8	14
38	Interspecific variation in ploidy as a key plant trait outlining local extinction risks and community patterns in fragmented landscapes. Functional Ecology, 2018, 32, 2095-2106.	3.6	13
39	On the origin of the widespread self-compatible allotetraploid Capsella bursa-pastoris (Brassicaceae). Heredity, 2021, 127, 124-134.	2.6	12
40	Genomic Signatures of Sexual Selection on Pollen-Expressed Genes in Arabis alpina. Molecular Biology and Evolution, 2022, 39, .	8.9	12
41	Unboxing mutations: Connecting mutation types with evolutionary consequences. Molecular Ecology, 2021, 30, 2710-2723.	3.9	11
42	Targeted Long-Read Sequencing of a Locus Under Long-Term Balancing Selection inCapsella. G3: Genes, Genomes, Genetics, 2018, 8, 1327-1333.	1.8	9
43	Impact of demography on linked selection in two outcrossing Brassicaceae species. Ecology and Evolution, 2019, 9, 9532-9545.	1.9	8
44	Differential Expression of Immune Genes between Two Closely Related Beetle Species with Different Immunocompetence following Attack by Asecodes parviclava. Genome Biology and Evolution, 2020, 12, 522-534.	2.5	6
45	Selection on Accessible Chromatin Regions inCapsella grandiflora. Molecular Biology and Evolution, 2021, 38, 5563-5575.	8.9	6
46	HEARTBREAK Controls Post-translational Modification of INDEHISCENT to Regulate Fruit Morphology in Capsella. Current Biology, 2020, 30, 3880-3888.e5.	3.9	5
47	Mutation accumulation opposes polymorphism: supergenes and the curious case of balanced lethals. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, .	4.0	5
48	What can coldâ€induced transcriptomes of Arctic Brassicaceae tell us about the evolution of cold tolerance?. Molecular Ecology, 2022, 31, 4271-4285.	3.9	5
49	Genome assemblies of three closely related leaf beetle species (Galerucella spp.). G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	2