

Tanja Slotte

List of Publications by Year in descending order

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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	Genomic Signatures of Sexual Selection on Pollen-Expressed Genes in <i>Arabis alpina</i> . <i>Molecular Biology and Evolution</i> , 2022, 39, .	8.9	12
2	Mutation accumulation opposes polymorphism: supergenes and the curious case of balanced lethals. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, .	4.0	5
3	What can cold-induced transcriptomes of Arctic Brassicaceae tell us about the evolution of cold tolerance?. <i>Molecular Ecology</i> , 2022, 31, 4271-4285.	3.9	5
4	The genome of <i>Draba nivalis</i> shows signatures of adaptation to the extreme environmental stresses of the Arctic. <i>Molecular Ecology Resources</i> , 2021, 21, 661-676.	4.8	14
5	Hybrid seed incompatibility in <i>Capsella</i> is connected to chromatin condensation defects in the endosperm. <i>PLoS Genetics</i> , 2021, 17, e1009370.	3.5	17
6	The Genomic Architecture and Evolutionary Fates of Supergenes. <i>Genome Biology and Evolution</i> , 2021, 13, .	2.5	63
7	On the origin of the widespread self-compatible allotetraploid <i>Capsella bursa-pastoris</i> (Brassicaceae). <i>Heredity</i> , 2021, 127, 124-134.	2.6	12
8	Genomic basis of parallel adaptation varies with divergence in <i>Arabidopsis</i> and its relatives. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	61
9	Unboxing mutations: Connecting mutation types with evolutionary consequences. <i>Molecular Ecology</i> , 2021, 30, 2710-2723.	3.9	11
10	Genome assemblies of three closely related leaf beetle species (<i>Galerucella</i> spp.). <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	1.8	2
11	Selection on Accessible Chromatin Regions in <i>Capsella grandiflora</i> . <i>Molecular Biology and Evolution</i> , 2021, 38, 5563-5575.	8.9	6
12	HEARTBREAK Controls Post-translational Modification of INDEHISCENT to Regulate Fruit Morphology in <i>Capsella</i> . <i>Current Biology</i> , 2020, 30, 3880-3888.e5.	3.9	5
13	Differential Expression of Immune Genes between Two Closely Related Beetle Species with Different Immunocompetence following Attack by <i>Asecodes parviclava</i> . <i>Genome Biology and Evolution</i> , 2020, 12, 522-534.	2.5	6
14	Population Genomics of Transitions to Selfing in Brassicaceae Model Systems. <i>Methods in Molecular Biology</i> , 2020, 2090, 269-287.	0.9	15
15	Genetic basis and timing of a major mating system shift in <i>Capsella</i> . <i>New Phytologist</i> , 2019, 224, 505-517.	7.3	23
16	Impact of demography on linked selection in two outcrossing Brassicaceae species. <i>Ecology and Evolution</i> , 2019, 9, 9532-9545.	1.9	8
17	Shotgun Environmental DNA, Pollen, and Macrofossil Analysis of Lateglacial Lake Sediments From Southern Sweden. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	91
18	Pervasive population genomic consequences of genome duplication in <i>Arabidopsis arenosa</i> . <i>Nature Ecology and Evolution</i> , 2019, 3, 457-468.	7.8	102

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19	Single-cell expression noise and gene-body methylation in <i>Arabidopsis thaliana</i> . <i>Heredity</i> , 2019, 123, 81-91.	2.6	30
20	Long-term balancing selection drives evolution of immunity genes in <i>Capsella</i> . <i>ELife</i> , 2019, 8, .	6.0	69
21	Demography and mating system shape the genome-wide impact of purifying selection in <i>Arabis alpina</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 816-821.	7.1	55
22	Archaeal community changes in Lateglacial lake sediments: Evidence from ancient DNA. <i>Quaternary Science Reviews</i> , 2018, 181, 19-29.	3.0	78
23	Paternally expressed imprinted genes associate with hybridization barriers in <i>Capsella</i> . <i>Nature Plants</i> , 2018, 4, 352-357.	9.3	81
24	Targeted Long-Read Sequencing of a Locus Under Long-Term Balancing Selection in <i>Capsella</i> . <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 1327-1333.	1.8	9
25	Interspecific variation in ploidy as a key plant trait outlining local extinction risks and community patterns in fragmented landscapes. <i>Functional Ecology</i> , 2018, 32, 2095-2106.	3.6	13
26	Genomic analysis reveals major determinants of <i>cis-</i> regulatory variation in <i>Capsella grandiflora</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1087-1092.	7.1	50
27	The Role of Small RNA-Based Epigenetic Silencing for Purifying Selection on Transposable Elements in <i>Capsella grandiflora</i> . <i>Genome Biology and Evolution</i> , 2017, 9, 2911-2920.	2.5	18
28	Genomic legacies of the progenitors and the evolutionary consequences of allopolyploidy. <i>Current Opinion in Plant Biology</i> , 2016, 30, 88-93.	7.1	45
29	Rapid Evolution of Genomic Imprinting in Two Species of the Brassicaceae. <i>Plant Cell</i> , 2016, 28, 1815-1827.	6.6	84
30	<i>Cis-</i> Regulatory Changes Associated with a Recent Mating System Shift and Floral Adaptation in <i>Capsella</i> . <i>Molecular Biology and Evolution</i> , 2015, 32, 2501-2514.	8.9	35
31	Hybrid origins and the earliest stages of diploidization in the highly successful recent polyploid <i>Capsella bursa-pastoris</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2806-2811.	7.1	128
32	Non-reciprocal Interspecies Hybridization Barriers in the <i>Capsella</i> Genus Are Established in the Endosperm. <i>PLoS Genetics</i> , 2015, 11, e1005295.	3.5	88
33	The impact of linked selection on plant genomic variation. <i>Briefings in Functional Genomics</i> , 2014, 13, 268-275.	2.7	61
34	The <i>Capsella rubella</i> genome and the genomic consequences of rapid mating system evolution. <i>Nature Genetics</i> , 2013, 45, 831-835.	21.4	374
35	Genomic Identification of Founding Haplotypes Reveals the History of the Selfing Species <i>Capsella rubella</i> . <i>PLoS Genetics</i> , 2013, 9, e1003754.	3.5	86
36	Evolutionary consequences of self-fertilization in plants. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20130133.	2.6	346

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37	Signatures of balancing selection are maintained at disease resistance loci following mating system evolution and a population bottleneck in the genus <i>Capsella</i> . <i>BMC Evolutionary Biology</i> , 2012, 12, 152.	3.2	32
38	Coalescent-Based Analysis Distinguishes between Allo- and Autopolyploid Origin in Shepherd's Purse (<i>Capsella bursa-pastoris</i>). <i>Molecular Biology and Evolution</i> , 2012, 29, 1721-1733.	8.9	29
39	GENETIC ARCHITECTURE AND ADAPTIVE SIGNIFICANCE OF THE SELFING SYNDROME IN <i>CAPSELLA</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 1360-1374.	2.3	79
40	Reduced Efficacy of Natural Selection on Codon Usage Bias in Selfing <i>Arabidopsis</i> and <i>Capsella</i> Species. <i>Genome Biology and Evolution</i> , 2011, 3, 868-880.	2.5	85
41	Contrasting demographic history and population structure in <i>Capsella rubella</i> and <i>Capsella grandiflora</i> , two closely related species with different mating systems. <i>Molecular Ecology</i> , 2011, 20, 3306-3320.	3.9	63
42	Genomic Determinants of Protein Evolution and Polymorphism in <i>Arabidopsis</i> . <i>Genome Biology and Evolution</i> , 2011, 3, 1210-1219.	2.5	98
43	Genome-Wide Evidence for Efficient Positive and Purifying Selection in <i>Capsella grandiflora</i> , a Plant Species with a Large Effective Population Size. <i>Molecular Biology and Evolution</i> , 2010, 27, 1813-1821.	8.9	153
44	Splicing Variation at a <i>FLOWERING LOCUS C</i> Homeolog Is Associated With Flowering Time Variation in the Tetraploid <i>Capsella bursa-pastoris</i> . <i>Genetics</i> , 2009, 183, 337-345.	2.9	38
45	Recent speciation associated with the evolution of selfing in <i>Capsella</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5241-5245.	7.1	245
46	Recent speciation of <i>Capsella rubella</i> from <i>Capsella grandiflora</i> , associated with loss of self-incompatibility and an extreme bottleneck. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5246-5251.	7.1	204
47	Polyploid Speciation Did Not Confer Instant Reproductive Isolation in <i>Capsella</i> (Brassicaceae). <i>Molecular Biology and Evolution</i> , 2008, 25, 1472-1481.	8.9	93
48	Differential Expression of Genes Important for Adaptation in <i>Capsella bursa-pastoris</i> (Brassicaceae). <i>Plant Physiology</i> , 2007, 145, 160-173.	4.8	45
49	Intrageneric phylogeny of <i>Capsella</i> (Brassicaceae) and the origin of the tetraploid <i>C. bursa-pastoris</i> based on chloroplast and nuclear DNA sequences. <i>American Journal of Botany</i> , 2006, 93, 1714-1724.	1.7	58