Kirsten Bomblies

List of Publications by Year
in descending order

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60	6,014	109137	133063
papers	citations	35 h-index	59 g-index

64	64	64	5984
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Male and female recombination landscapes of diploid Arabidopsis arenosa. Genetics, 2022, 220, .	1.2	10
2	The quiet evolutionary response to cellular challenges. American Journal of Botany, 2022, 109, 189-192.	0.8	3
3	The meiotic cohesin subunit REC8 contributes to multigenic adaptive evolution of autopolyploid meiosis in Arabidopsis arenosa. PLoS Genetics, 2022, 18, e1010304.	1.5	9
4	Genetics of adaptation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	37
5	De Novo Mutation and Rapid Protein (Co-)evolution during Meiotic Adaptation in Arabidopsis arenosa. Molecular Biology and Evolution, 2021, 38, 1980-1994.	3.5	18
6	Evolution and Plasticity of Genome-Wide Meiotic Recombination Rates. Annual Review of Genetics, 2021, 55, 23-43.	3.2	31
7	Male meiotic recombination rate varies with seasonal temperature fluctuations in wild populations of autotetraploid Arabidopsis arenosa. Molecular Ecology, 2021, 30, 4630-4641.	2.0	7
8	Evolution of crossover interference enables stable autopolyploidy by ensuring pairwise partner connections in Arabidopsis arenosa. Current Biology, 2021, 31, 4713-4726.e4.	1.8	37
9	When everything changes at once: finding a new normal after genome duplication. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20202154.	1.2	73
10	Derived alleles of two axis proteins affect meiotic traits in autotetraploid Arabidopsis arenosa. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8980-8988.	3.3	60
11	Both male and female gametogenesis require a fully functional protein Sâ€‹acyl transferase 21 in Arabidopsis thaliana. Plant Journal, 2019, 100, 754-767.	2.8	11
12	Pervasive population genomic consequences of genome duplication in Arabidopsis arenosa. Nature Ecology and Evolution, 2019, 3, 457-468.	3.4	102
13	Relaxed purifying selection in autopolyploids drives transposable element over-accumulation which provides variants for local adaptation. Nature Communications, 2019, 10, 5818.	5.8	70
14	Plasticity of Meiotic Recombination Rates in Response to Temperature in Arabidopsis. Genetics, 2018, 208, 1409-1420.	1.2	105
15	Genetic basis and evolution of rapid cycling in railway populations of tetraploid Arabidopsis arenosa. PLoS Genetics, 2018, 14, e1007510.	1.5	35
16	Genomic studies of adaptive evolution in outcrossing Arabidopsis species. Current Opinion in Plant Biology, 2017, 36, 9-14.	3.5	25
17	Are the effects of elevated temperature on meiotic recombination and thermotolerance linked via the axis and synaptonemal complex?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160470.	1.8	57
18	Borrowed alleles and convergence in serpentine adaptation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8320-8325.	3.3	147

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19	The challenge of evolving stable polyploidy: could an increase in â€œcrossover interference distanceâ€• play a central role?. Chromosoma, 2016, 125, 287-300.	1.0	109
20	Meiosis in autopolyploid and allopolyploid Arabidopsis. Current Opinion in Plant Biology, 2016, 30, 116-122.	3.5	102
21	Habitat-Associated Life History and Stress-Tolerance Variation in Arabidopsis arenosa. Plant Physiology, 2016, 171, 437-451.	2.3	35
22	Meiosis evolves: adaptation to external and internal environments. New Phytologist, 2015, 208, 306-323.	3.5	148
23	The High Life: Alpine Dwarfism in Arabidopsis. Plant Physiology, 2015, 168, 767-767.	2.3	2
24	Genome management and mismanagementâ€”cell-level opportunities and challenges of whole-genome duplication. Genes and Development, 2015, 29, 2405-2419.	2.7	33
25	Selection on Meiosis Genes in Diploid and Tetraploid Arabidopsis arenosa. Molecular Biology and Evolution, 2015, 32, 944-955.	3.5	66
26	Single Geographic Origin of a Widespread Autotetraploid Arabidopsis arenosa Lineage Followed by Interploidy Admixture. Molecular Biology and Evolution, 2015, 32, 1382-1395.	3.5	120
27	Salinity Is an Agent of Divergent Selection Driving Local Adaptation of Arabidopsis to Coastal Habitats. Plant Physiology, 2015, 168, 915-929.	2.3	44
28	Activation of the Arabidopsis thaliana Immune System by Combinations of Common ACD6 Alleles. PLoS Genetics, 2014, 10, e1004459.	1.5	54
29	Cytological techniques to analyze meiosis in Arabidopsis arenosa for investigating adaptation to polyploidy. Frontiers in Plant Science, 2014, 4, 546.	1.7	31
30	Species-wide Genetic Incompatibility Analysis Identifies Immune Genes as Hot Spots of Deleterious Epistasis. Cell, 2014, 159, 1341-1351.	13.5	247
31	Polyploidy in the Arabidopsis genus. Chromosome Research, 2014, 22, 117-134.	1.0	79
32	Editorial Overview: Genome studies and molecular genetics: Genomic approaches to understanding evolution, development and the plant phenome. Current Opinion in Plant Biology, 2014, 18, v-vi.	3.5	0
33	Cheaters divide and conquer. ELife, 2014, 3, e03371.	2.8	4
34	Meiotic Adaptation to Genome Duplication in Arabidopsis arenosa. Current Biology, 2013, 23, 2151-2156.	1.8	217
35	Short read sequencing in studies of natural variation and adaptation. Current Opinion in Plant Biology, 2013, 16, 85-91.	3.5	20
36	Evolutionary Genetics: Inheritance of a Complex Pollination Syndrome. Current Biology, 2013, 23, R525-R527.	1.8	3

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37	Genetic Adaptation Associated with Genome-Doubling in Autotetraploid Arabidopsis arenosa. PLoS Genetics, 2012, 8, e1003093.	1.5	152
38	Epigenetic Inheritance: What News for Evolution?. Current Biology, 2012, 22, R54-R56.	1.8	13
39	Genetic Architecture of Flowering-Time Variation in Arabidopsis thaliana. Genetics, 2011, 188, 421-433.	1.2	160
40	Complex Evolutionary Events at a Tandem Cluster of Arabidopsis thaliana Genes Resulting in a Single-Locus Genetic Incompatibility. PLoS Genetics, 2011, 7, e1002164.	1.5	60
41	Evolution: Redundancy as an Opportunity for Innovation. Current Biology, 2010, 20, R320-R322.	1.8	4
42	Arabidopsisand relatives as models for the study of genetic and genomic incompatibilities. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 1815-1823.	1.8	27
43	Local-Scale Patterns of Genetic Variability, Outcrossing, and Spatial Structure in Natural Stands of Arabidopsis thaliana. PLoS Genetics, 2010, 6, e1000890.	1.5	172
44	Progress and Promise in using Arabidopsis to Study Adaptation, Divergence, and Speciation. The Arabidopsis Book, 2010, 8, e0138.	0.5	10
45	Doomed Lovers: Mechanisms of Isolation and Incompatibility in Plants. Annual Review of Plant Biology, 2010, 61, 109-124.	8.6	86
46	Too much of a good thing? Hybrid necrosis as a by-product of plant immune system diversification. Botany, 2009, 87, 1013-1022.	0.5	25
47	Autoimmune Response as a Mechanism for a Dobzhansky-Muller-Type Incompatibility Syndrome in Plants. PLoS Biology, 2007, 5, e236.	2.6	489
48	Arabidopsisâ€”a model genus for speciation. Current Opinion in Genetics and Development, 2007, 17, 500-504.	1.5	39
49	Hybrid necrosis: autoimmunity as a potential gene-flow barrier in plant species. Nature Reviews Genetics, 2007, 8, 382-393.	7.7	382
50	HUA2 Caused Natural Variation in Shoot Morphology of A. thaliana. Current Biology, 2007, 17, 1513-1519.	1.8	46
51	Pleiotropic Effects of the Duplicate Maize FLORICAULA/LEAFY Genes zfl1 and zfl2 on Traits Under Selection During Maize Domestication. Genetics, 2006, 172, 519-531.	1.2	110
52	Hybrid Incompatibility: When Opposites Attract with a Fatal Outcome. Current Biology, 2006, 16, R542-R544.	1.8	3
53	The origin of the naked grains of maize. Nature, 2005, 436, 714-719.	13.7	561
54	The 35S promoter used in a selectable marker gene of a plant transformation vector affects the expression of the transgene. Planta, 2005, 221, 523-530.	1.6	144

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55	Molecular Evolution of FLORICAULA/LEAFY Orthologs in the Andropogoneae (Poaceae). Molecular Biology and Evolution, 2005, 22, 1082-1094.	3.5	56
56	Duplicate FLORICAULA/LEAFY homologs zfl1 and zfl2 control inflorescence architecture and flower patterning in maize. Development (Cambridge), 2003, 130, 2385-2395.	1.2	222
57	Interaction ofLEAFY,AGAMOUSandTERMINAL FLOWER1in maintaining floral meristem identity inArabidopsis. Development (Cambridge), 2002, 129, 2519-2527.	1.2	124
58	KANADI regulates organ polarity in Arabidopsis. Nature, 2001, 411, 706-709.	13.7	540
59	Activation of a Floral Homeotic Gene in Arabidopsis. Science, 1999, 285, 585-587.	6.0	364
60	Redundant Enhancers Mediate Transcriptional Repression of AGAMOUS by APETALA2. Developmental Biology, 1999, 216, 260-264.	0.9	69