Yongfeng Zhou

List of Publications by Year
in descending order

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51 papers	7,627 citations	101543 36 h-index	182427 51 g-index
66 all docs	66 docs citations	66 times ranked	8722 citing authors

#	Article	IF	Citations
1	The Molecular Genetics of Crop Domestication. Cell, 2006, 127, 1309-1321.	28.9	1,701
2	The Effects of Artificial Selection on the Maize Genome. Science, 2005, 308, 1310-1314.	12.6	742
3	Plant domestication, a unique opportunity to identify the genetic basis of adaptation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 8641-8648.	7.1	385
4	Evolutionary dynamics of grass genomes. New Phytologist, 2002, 154, 15-28.	7.3	376
5	Multilocus Analysis of Nucleotide Variation of Oryza sativa and Its Wild Relatives: Severe Bottleneck during Domestication of Rice. Molecular Biology and Evolution, 2007, 24, 875-888.	8.9	329
6	Fluorescent sensor based models for the detection of environmentally-related toxic heavy metals. Science of the Total Environment, 2018, 615, 476-485.	8.0	303
7	Selection Versus Demography: A Multilocus Investigation of the Domestication Process in Maize. Molecular Biology and Evolution, 2004, 21, 1214-1225.	8.9	251
8	Evolutionary genomics of grape (Vitis vinifera ssp. vinifera) domestication. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11715-11720.	7.1	236
9	The population genetics of structural variants in grapevine domestication. Nature Plants, 2019, 5, 965-979.	9.3	229
10	Olive domestication and diversification in the Mediterranean Basin. New Phytologist, 2015, 206, 436-447.	7.3	227
11	Recombination: an underappreciated factor in the evolution of plant genomes. Nature Reviews Genetics, 2007, 8, 77-84.	16.3	223
12	Demography and its effects on genomic variation in crop domestication. Nature Plants, 2018, 4, 512-520.	9.3	173
13	Plant conserved non-coding sequences and paralogue evolution. Trends in Genetics, 2005, 21, 60-65.	6.7	147
14	Genomics and the Contrasting Dynamics of Annual and Perennial Domestication. Trends in Genetics, 2015, 31, 709-719.	6.7	145
15	Selection on grain shattering genes and rates of rice domestication. New Phytologist, 2009, 184, 708-720.	7.3	140
16	Genome evolution and diversity of wild and cultivated potatoes. Nature, 2022, 606, 535-541.	27.8	125
17	The genetic basis of sex determination in grapes. Nature Communications, 2020, 11, 2902.	12.8	118
18	Demographic histories of four spruce (Picea) species of the Qinghai-Tibetan Plateau and neighboring areas inferred from multiple nuclear loci. Molecular Biology and Evolution, 2010, 27, 1001-1014.	8.9	113

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19	Genome size variation in wild and cultivated maize along altitudinal gradients. New Phytologist, 2013, 199, 264-276.	7.3	107
20	Demography and weak selection drive patterns of transposable element diversity in natural populations of Arabidopsis lyrata. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 13965-13970.	7.1	99
21	A super pan-genomic landscape of rice. Cell Research, 2022, 32, 878-896.	12.0	99
22	The evolution of transposable elements in natural populations of self-fertilizing Arabidopsis thaliana and its outcrossing relative Arabidopsis lyrata. BMC Evolutionary Biology, 2010, 10, 10.	3.2	84
23	Does Recombination Shape the Distribution and Evolution of Tandemly Arrayed Genes (TAGs) in the Arabidopsis thaliana Genome?. Genome Research, 2003, 13, 2533-2540.	5.5	79
24	Transcriptome Investigation and In Vitro Verification of Curcumin-Induced HO-1 as a Feature of Ferroptosis in Breast Cancer Cells. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-18.	4.0	76
25	Importance of incomplete lineage sorting and introgression in the origin of shared genetic variation between two closely related pines with overlapping distributions. Heredity, 2017, 118, 211-220.	2.6	73
26	GENE FLOW AND SPECIES DELIMITATION: A CASE STUDY OF TWO PINE SPECIES WITH OVERLAPPING DISTRIBUTIONS IN SOUTHEAST CHINA. Evolution; International Journal of Organic Evolution, 2010, 64, 2342-52.	2.3	69
27	A redox-responsive cationic supramolecular polymer constructed from small molecules as a promising gene vector. Chemical Communications, 2013, 49, 9845.	4.1	69
28	Deleterious variants in Asian rice and the potential cost of domestication. Molecular Biology and Evolution, 2017, 34, msw296.	8.9	68
29	The genomic diversification of grapevine clones. BMC Genomics, 2019, 20, 972.	2.8	66
30	The evolutionary genomics of speciesâ€™ responses to climate change. Nature Ecology and Evolution, 2021, 5, 1350-1360.	7.8	63
31	Evolutionary Genomics of Structural Variation in Asian Rice (Oryza sativa) Domestication. Molecular Biology and Evolution, 2020, 37, 3507-3524.	8.9	58
32	How Single Molecule Real-Time Sequencing and Haplotype Phasing Have Enabled Reference-Grade Diploid Genome Assembly of Wine Grapes. Frontiers in Plant Science, 2017, 8, 826.	3.6	55
33	Climatic adaptation and ecological divergence between two closely related pine species in Southeast China. Molecular Ecology, 2014, 23, 3504-3522.	3.9	48
34	Divergence with gene flow is driven by local adaptation to temperature and soil phosphorus concentration in teosinte subspecies (Zea mays parviglumis and Zea mays mexicana). Molecular Ecology, 2019, 28, 2814-2830.	3.9	48
35	Maize transposable elements contribute to long non-coding RNAs that are regulatory hubs for abiotic stress response. BMC Genomics, 2019, 20, 864.	2.8	47
36	Genetic divergence, range expansion and possible homoploid hybrid speciation among pine species in Northeast China. Heredity, 2012, 108, 552-562.	2.6	46

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37	The genome-wide dynamics of purging during selfing in maize. Nature Plants, 2019, 5, 980-990.	9.3	42
38	Evolution Is an Experiment: Assessing Parallelism in Crop Domestication and Experimental Evolution. Molecular Biology and Evolution, 2015, 32, 1661-1671.	8.9	41
39	Mechanistic and evolutionary questions about epigenetic conflicts between transposable elements and their plant hosts. Current Opinion in Plant Biology, 2016, 30, 123-133.	7.1	39
40	Genomic evidence for recurrent genetic admixture during the domestication of Mediterranean olive trees (Olea europaea L.). BMC Biology, 2020, 18, 148.	3.8	39
41	A POSSâ€Based Supramolecular Amphiphile and Its Hierarchical Selfâ€Assembly Behaviors. Macromolecular Rapid Communications, 2012, 33, 767-772.	3.9	37
42	The 3D architecture of the pepper genome and its relationship to function and evolution. Nature Communications, 2022, 13, .	12.8	28
43	Introgression among North American wild grapes (Vitis) fuels biotic and abiotic adaptation. Genome Biology, 2021, 22, 254.	8.8	25
44	Cytoplasmic DNA variation in and genetic delimitation ofAbies nephrolepisandAbies holophyllain northeastern China. Canadian Journal of Forest Research, 2011, 41, 1555-1561.	1.7	24
45	The Bet-Hedging Strategies for Seedling Emergence of Calligonum mongolicum to Adapt to the Extreme Desert Environments in Northwestern China. Frontiers in Plant Science, 2018, 9, 1167.	3.6	22
46	Structural variation and parallel evolution of apomixis in citrus during domestication and diversification. National Science Review, 2022, 9, .	9.5	19
47	Evolutionary Genomics and the Domestication of Grapes. Compendium of Plant Genomes, 2019, , 39-55.	0.5	17
48	Metabolomic and transcriptomic analyses reveal the effects of self- and hetero-grafting on anthocyanin biosynthesis in grapevine. Horticulture Research, 2022, 9, .	6.3	16
49	Euphorbia Section Hainanensis (Euphorbiaceae), a New Section Endemic to the Hainan Island of China From Biogeographical, Karyological, and Phenotypical Evidence. Frontiers in Plant Science, 2018, 9, 660.	3.6	12
50	HapSolo: an optimization approach for removing secondary haplotigs during diploid genome assembly and scaffolding. BMC Bioinformatics, 2021, 22, 9.	2.6	9
51	Large chromosomal variants drive adaptation in sunflowers. Nature Plants, 2020, 6, 734-735.	9.3	2