

Zhixi Tian

List of Publications by Citations

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Version: 2024-04-24

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63

papers

7,007

citations

31

h-index

69

g-index

69

ext. papers

9,723

ext. citations

13

avg, IF

5.23

L-index

#	Paper	IF	Citations
63	Genome sequence of the palaeopolyploid soybean. <i>Nature</i> , 2010 , 463, 178-83	50.4	2997
62	Resequencing 302 wild and cultivated accessions identifies genes related to domestication and improvement in soybean. <i>Nature Biotechnology</i> , 2015 , 33, 408-14	44.5	592
61	Allelic diversities in rice starch biosynthesis lead to a diverse array of rice eating and cooking qualities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 21760-5	11.5	354
60	Artificial selection for determinate growth habit in soybean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 8563-8	11.5	256
59	Genome-wide association studies dissect the genetic networks underlying agronomical traits in soybean. <i>Genome Biology</i> , 2017 , 18, 161	18.3	190
58	Global dissection of alternative splicing in paleopolyploid soybean. <i>Plant Cell</i> , 2014 , 26, 996-1008	11.6	178
57	Natural variation at the soybean J locus improves adaptation to the tropics and enhances yield. <i>Nature Genetics</i> , 2017 , 49, 773-779	36.3	176
56	Pan-Genome of Wild and Cultivated Soybeans. <i>Cell</i> , 2020 , 182, 162-176.e13	56.2	175
55	Rational design of high-yield and superior-quality rice. <i>Nature Plants</i> , 2017 , 3, 17031	11.5	155
54	Evolutionary conservation, diversity and specificity of LTR-retrotransposons in flowering plants: insights from genome-wide analysis and multi-specific comparison. <i>Plant Journal</i> , 2010 , 63, 584-98	6.9	128
53	Do genetic recombination and gene density shape the pattern of DNA elimination in rice long terminal repeat retrotransposons?. <i>Genome Research</i> , 2009 , 19, 2221-30	9.7	123
52	Genome-wide association study of 12 agronomic traits in peach. <i>Nature Communications</i> , 2016 , 7, 13246	17.4	115
51	SoyTEdb: a comprehensive database of transposable elements in the soybean genome. <i>BMC Genomics</i> , 2010 , 11, 113	4.5	97
50	Parallel selection on a dormancy gene during domestication of crops from multiple families. <i>Nature Genetics</i> , 2018 , 50, 1435-1441	36.3	92
49	Stepwise selection on homeologous PRR genes controlling flowering and maturity during soybean domestication. <i>Nature Genetics</i> , 2020 , 52, 428-436	36.3	86
48	Dt2 is a gain-of-function MADS-domain factor gene that specifies semideterminacy in soybean. <i>Plant Cell</i> , 2014 , 26, 2831-42	11.6	84
47	A route to de novo domestication of wild allotetraploid rice. <i>Cell</i> , 2021 , 184, 1156-1170.e14	56.2	81

46	Functional evolution of phosphatidylethanolamine binding proteins in soybean and Arabidopsis. <i>Plant Cell</i> , 2015 , 27, 323-36	11.6	77
45	Control of Grain Size and Weight by the OsMKKK10-OsMKK4-OsMAPK6 Signaling Pathway in Rice. <i>Molecular Plant</i> , 2018 , 11, 860-873	14.4	74
44	Genome sequencing of adzuki bean (<i>Vigna angularis</i>) provides insight into high starch and low fat accumulation and domestication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 13213-8	11.5	62
43	De novo assembly of a Chinese soybean genome. <i>Science China Life Sciences</i> , 2018 , 61, 871-884	8.5	62
42	Pericentromeric effects shape the patterns of divergence, retention, and expression of duplicated genes in the paleopolyploid soybean. <i>Plant Cell</i> , 2012 , 24, 21-32	11.6	61
41	An R2R3-type MYB transcription factor, GmMYB29, regulates isoflavone biosynthesis in soybean. <i>PLoS Genetics</i> , 2017 , 13, e1006770	6	58
40	Concerted evolution of D1 and D2 to regulate chlorophyll degradation in soybean. <i>Plant Journal</i> , 2014 , 77, 700-12	6.9	49
39	The Genomics of Species Provides Insights into Rice Domestication and Heterosis. <i>Annual Review of Plant Biology</i> , 2019 , 70, 639-665	30.7	46
38	Toward a "Green Revolution" for Soybean. <i>Molecular Plant</i> , 2020 , 13, 688-697	14.4	44
37	A soybean quantitative trait locus that promotes flowering under long days is identified as FT5a, a FLOWERING LOCUS T ortholog. <i>Journal of Experimental Botany</i> , 2016 , 67, 5247-58	7	44
36	Genome-wide characterization of nonreference transposons reveals evolutionary propensities of transposons in soybean. <i>Plant Cell</i> , 2012 , 24, 4422-36	11.6	42
35	DNA methylation footprints during soybean domestication and improvement. <i>Genome Biology</i> , 2018 , 19, 128	18.3	36
34	Bifurcation and enhancement of autonomous-nonautonomous retrotransposon partnership through LTR Swapping in soybean. <i>Plant Cell</i> , 2010 , 22, 48-61	11.6	35
33	De novo assembly of a wild pear (<i>Pyrus betuleafolia</i>) genome. <i>Plant Biotechnology Journal</i> , 2020 , 18, 581-595	11.6	33
32	Elevation of soybean seed oil content through selection for seed coat shininess. <i>Nature Plants</i> , 2018 , 4, 30-35	11.5	31
31	Designing future crops: challenges and strategies for sustainable agriculture. <i>Plant Journal</i> , 2021 , 105, 1165-1178	6.9	31
30	Simultaneous changes in seed size, oil content and protein content driven by selection of homologues during soybean domestication. <i>National Science Review</i> , 2020 , 7, 1776-1786	10.8	30
29	Adaptation of <i>Arabidopsis thaliana</i> to the Yangtze River basin. <i>Genome Biology</i> , 2017 , 18, 239	18.3	27

28	Global investigation of the co-evolution of MIRNA genes and microRNA targets during soybean domestication. <i>Plant Journal</i> , 2016 , 85, 396-409	6.9	26
27	Protomer Roles in Chloroplast Chaperonin Assembly and Function. <i>Molecular Plant</i> , 2015 , 8, 1478-92	14.4	23
26	Decrease of gene expression diversity during domestication of animals and plants. <i>BMC Evolutionary Biology</i> , 2019 , 19, 19	3	23
25	Update soybean Zhonghuang 13 genome to a golden reference. <i>Science China Life Sciences</i> , 2019 , 62, 1257-1260	8.5	22
24	Cloning of Ln gene through combined approach of map-based cloning and association study in soybean. <i>Journal of Genetics and Genomics</i> , 2013 , 40, 93-6	4	17
23	Development of gene-tagged molecular markers for starch synthesis-related genes in rice. <i>Science Bulletin</i> , 2010 , 55, 3768-3777		17
22	Comprehensive analyses of microRNA gene evolution in paleopolyploid soybean genome. <i>Plant Journal</i> , 2013 , 76, 332-44	6.9	16
21	Identification of QTNs Controlling Seed Protein Content in Soybean Using Multi-Locus Genome-Wide Association Studies. <i>Frontiers in Plant Science</i> , 2018 , 9, 1690	6.2	16
20	Genomics progress will facilitate molecular breeding in soybean. <i>Science China Life Sciences</i> , 2015 , 58, 813-5	8.5	15
19	Progress in soybean functional genomics over the past decade. <i>Plant Biotechnology Journal</i> , 2021 ,	11.6	15
18	Exceptional lability of a genomic complex in rice and its close relatives revealed by interspecific and intraspecific comparison and population analysis. <i>BMC Genomics</i> , 2011 , 12, 142	4.5	13
17	Functional conservation and divergence of GmCHLI genes in polyploid soybean. <i>Plant Journal</i> , 2016 , 88, 584-596	6.9	11
16	Identification of QTNs Controlling 100-Seed Weight in Soybean Using Multilocus Genome-Wide Association Studies. <i>Frontiers in Genetics</i> , 2020 , 11, 689	4.5	9
15	Linkage Analysis and Multi-Locus Genome-Wide Association Studies Identify QTNs Controlling Soybean Plant Height. <i>Frontiers in Plant Science</i> , 2020 , 11, 9	6.2	8
14	Identification of QTL and genes for pod number in soybean by linkage analysis and genome-wide association studies. <i>Molecular Breeding</i> , 2020 , 40, 1	3.4	8
13	Chloroplast DNA Underwent Independent Selection from Nuclear Genes during Soybean Domestication and Improvement. <i>Journal of Genetics and Genomics</i> , 2016 , 43, 217-21	4	8
12	Quantitative Trait Locus Analysis of Protein and Oil Content in Response to Planting Density in Soybean ([L.] Merri.) Seeds Based on SNP Linkage Mapping. <i>Frontiers in Genetics</i> , 2020 , 11, 563	4.5	6
11	A Pd1-Ps-P1 Feedback Loop Controls Pubescence Density in Soybean. <i>Molecular Plant</i> , 2020 , 13, 1768-1784	11.4	6

10	The antagonistic MYB paralogs RH1 and RH2 govern anthocyanin leaf markings in <i>Medicago truncatula</i> . <i>New Phytologist</i> , 2021 , 229, 3330-3344	9.8	5
9	Mutation of YL Results in a Yellow Leaf with Chloroplast RNA Editing Defect in Soybean. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
8	Genome-wide expression analysis in a dwarf soybean mutant. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2014 , 12, S70-S73	1	3
7	From one linear genome to a graph-based pan-genome: a new era for genomics. <i>Science China Life Sciences</i> , 2020 , 63, 1938-1941	8.5	3
6	FED: a web tool for foreign element detection of genome-edited organism. <i>Science China Life Sciences</i> , 2021 , 64, 167-170	8.5	3
5	Fine mapping QTL and mining genes for protein content in soybean by the combination of linkage and association analysis. <i>Theoretical and Applied Genetics</i> , 2021 , 134, 1095-1122	6	3
4	Omics-based interdisciplinarity is accelerating plant breeding.. <i>Current Opinion in Plant Biology</i> , 2022 , 66, 102167	9.9	1
3	Reference genomes of 545 silkworms enable high-throughput exploring genotype-phenotype relationships		1
2	GenoBaits Soy40K: a highly flexible and low-cost SNP array for soybean studies. <i>Science China Life Sciences</i> ,	8.5	1
1	Convergent selection of a gene in cereals leads to grain yield upgradation.. <i>Science China Life Sciences</i> , 2022 , 1	8.5	