

Kabin Xie

List of Publications by Citations

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Version: 2024-04-23

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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.

30
papers

3,681
citations

22
h-index

33
g-index

33
ext. papers

4,751
ext. citations

7.9
avg, IF

5.93
L-index

#	Paper	IF	Citations
30	Boosting CRISPR/Cas9 multiplex editing capability with the endogenous tRNA-processing system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 3570-5	11.5	728
29	RNA-guided genome editing in plants using a CRISPR-Cas system. <i>Molecular Plant</i> , 2013 , 6, 1975-83	14.4	492
28	Genomic organization, differential expression, and interaction of SQUAMOSA promoter-binding-like transcription factors and microRNA156 in rice. <i>Plant Physiology</i> , 2006 , 142, 280-93	6.6	442
27	Systematic sequence analysis and identification of tissue-specific or stress-responsive genes of NAC transcription factor family in rice. <i>Molecular Genetics and Genomics</i> , 2008 , 280, 547-63	3.1	328
26	CRISPR-P 2.0: An Improved CRISPR-Cas9 Tool for Genome Editing in Plants. <i>Molecular Plant</i> , 2017 , 10, 530-532	14.4	253
25	Genome-wide prediction of highly specific guide RNA spacers for CRISPR-Cas9-mediated genome editing in model plants and major crops. <i>Molecular Plant</i> , 2014 , 7, 923-6	14.4	211
24	Conserved miR164-targeted NAC genes negatively regulate drought resistance in rice. <i>Journal of Experimental Botany</i> , 2014 , 65, 2119-35	7	207
23	Gradual increase of miR156 regulates temporal expression changes of numerous genes during leaf development in rice. <i>Plant Physiology</i> , 2012 , 158, 1382-94	6.6	162
22	A homolog of human ski-interacting protein in rice positively regulates cell viability and stress tolerance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 6410-5	11.5	117
21	Global expression profiling of rice microRNAs by one-tube stem-loop reverse transcription quantitative PCR revealed important roles of microRNAs in abiotic stress responses. <i>Molecular Genetics and Genomics</i> , 2010 , 284, 477-88	3.1	77
20	Recent Advances in Genome Editing Using CRISPR/Cas9. <i>Frontiers in Plant Science</i> , 2016 , 7, 703	6.2	75
19	Direct phosphorylation and activation of a mitogen-activated protein kinase by a calcium-dependent protein kinase in rice. <i>Plant Cell</i> , 2014 , 26, 3077-89	11.6	72
18	Engineering Introns to Express RNA Guides for Cas9- and Cpf1-Mediated Multiplex Genome Editing. <i>Molecular Plant</i> , 2018 , 11, 542-552	14.4	65
17	Systematic analysis of GT factor family of rice reveals a novel subfamily involved in stress responses. <i>Molecular Genetics and Genomics</i> , 2010 , 283, 157-69	3.1	57
16	Discovery of rice essential genes by characterizing a CRISPR-edited mutation of closely related rice MAP kinase genes. <i>Plant Journal</i> , 2017 , 89, 636-648	6.9	54
15	Genome editing with the CRISPR-Cas system: an art, ethics and global regulatory perspective. <i>Plant Biotechnology Journal</i> , 2020 , 18, 1651-1669	11.6	50
14	Genome-wide identification of BURP domain-containing genes in rice reveals a gene family with diverse structures and responses to abiotic stresses. <i>Planta</i> , 2009 , 230, 149-63	4.7	49

13	Translational repression by a miniature inverted-repeat transposable element in the 3c untranslated region. <i>Nature Communications</i> , 2017 , 8, 14651	17.4	38
12	Modifications of fatty acid profile through targeted mutation at BnaFAD2 gene with CRISPR/Cas9-mediated gene editing in Brassica napus. <i>Theoretical and Applied Genetics</i> , 2020 , 133, 2401-2411	6	38
11	Polycistronic tRNA and CRISPR guide-RNA enables highly efficient multiplexed genome engineering in human cells. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 482, 889-895	3.4	37
10	CRISPR-PLANT v2: an online resource for highly specific guide RNA spacers based on improved off-target analysis. <i>Plant Biotechnology Journal</i> , 2019 , 17, 5-8	11.6	36
9	Evaluation of CRISPR/Cas12a-based DNA detection for fast pathogen diagnosis and GMO test in rice. <i>Molecular Breeding</i> , 2020 , 40, 1	3.4	28
8	Isolation and annotation of 10828 putative full length cDNAs from indica rice. <i>Science in China Series C: Life Sciences</i> , 2005 , 48, 445-51		16
7	Engineering CRISPR/Cas9 to mitigate abundant host contamination for 16S rRNA gene-based amplicon sequencing. <i>Microbiome</i> , 2020 , 8, 80	16.6	10
6	A CRISPR/LbCas12a-based method for highly efficient multiplex gene editing in <i>Physcomitrella patens</i> . <i>Plant Journal</i> , 2019 , 100, 863-872	6.9	10
5	Targeted Gene Mutation in Rice Using a CRISPR-Cas9 System. <i>Bio-protocol</i> , 2014 , 4,	0.9	10
4	A Multiplexed CRISPR/Cas9 Editing System Based on the Endogenous tRNA Processing. <i>Methods in Molecular Biology</i> , 2019 , 1917, 63-73	1.4	4
3	A FLASH pipeline for arrayed CRISPR library construction and the gene function discovery of rice receptor-like kinases. <i>Molecular Plant</i> , 2021 ,	14.4	3
2	A versatile nanoluciferase toolkit and optimized in-gel detection method for protein analysis in plants. <i>Molecular Breeding</i> , 2021 , 41, 1	3.4	0
1	CRISPR-Cas12a-Based DNA Detection for Fast Pathogen Diagnosis and GMO Test in Plants. <i>Springer Protocols</i> , 2021 , 221-233	0.3	