

Xuelian Zheng

List of Publications by Year in Descending Order

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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.

31
papers

2,220
citations

20
h-index

34
g-index

34
ext. papers

2,894
ext. citations

8.4
avg, IF

4.76
L-index

#	Paper	IF	Citations
31	CRISPR-BETS: a base-editing design tool for generating stop codons. <i>Plant Biotechnology Journal</i> , 2021 ,	11.6	5
30	Expanding the scope of plant genome engineering with Cas12a orthologs and highly multiplexable editing systems. <i>Nature Communications</i> , 2021 , 12, 1944	17.4	17
29	Improved plant cytosine base editors with high editing activity, purity, and specificity. <i>Plant Biotechnology Journal</i> , 2021 , 19, 2052-2068	11.6	14
28	Improving a Quantitative Trait in Rice by Multigene Editing with CRISPR-Cas9. <i>Methods in Molecular Biology</i> , 2021 , 2238, 205-219	1.4	
27	Exploring C-To-G Base Editing in Rice, Tomato, and Poplar. <i>Frontiers in Genome Editing</i> , 2021 , 3, 756766	2.5	4
26	CRISPR-Cas9 mediated OsMIR168a knockout reveals its pleiotropy in rice. <i>Plant Biotechnology Journal</i> , 2021 ,	11.6	7
25	PAM-less plant genome editing using a CRISPR-SpRY toolbox. <i>Nature Plants</i> , 2021 , 7, 25-33	11.5	61
24	The Improvement of CRISPR-Cas9 System With Ubiquitin-Associated Domain Fusion for Efficient Plant Genome Editing. <i>Frontiers in Plant Science</i> , 2020 , 11, 621	6.2	6
23	CRISPR-Cas12b enables efficient plant genome engineering. <i>Nature Plants</i> , 2020 , 6, 202-208	11.5	63
22	Plant Prime Editors Enable Precise Gene Editing in Rice Cells. <i>Molecular Plant</i> , 2020 , 13, 667-670	14.4	94
21	Intron-Based Single Transcript Unit CRISPR Systems for Plant Genome Editing. <i>Rice</i> , 2020 , 13, 8	5.8	15
20	Knockout of the Transcription Factor Causes Drought and Heat Sensitivity in Rice. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	25
19	Bidirectional Promoter-Based CRISPR-Cas9 Systems for Plant Genome Editing. <i>Frontiers in Plant Science</i> , 2019 , 10, 1173	6.2	28
18	Application of CRISPR-Cas12a temperature sensitivity for improved genome editing in rice, maize, and Arabidopsis. <i>BMC Biology</i> , 2019 , 17, 9	7.3	102
17	Multiplex QTL editing of grain-related genes improves yield in elite rice varieties. <i>Plant Cell Reports</i> , 2019 , 38, 475-485	5.1	75
16	Single transcript unit CRISPR 2.0 systems for robust Cas9 and Cas12a mediated plant genome editing. <i>Plant Biotechnology Journal</i> , 2019 , 17, 1431-1445	11.6	75
15	Knocking Out MicroRNA Genes in Rice with CRISPR-Cas9. <i>Methods in Molecular Biology</i> , 2019 , 1917, 109-119		3

14	Plant Genome Editing Using FnCpf1 and LbCpf1 Nucleases at Redefined and Altered PAM Sites. <i>Molecular Plant</i> , 2018 , 11, 999-1002	14.4	92
13	MIGS as a Simple and Efficient Method for Gene Silencing in Rice. <i>Frontiers in Plant Science</i> , 2018 , 9, 662-671	6.2	8
12	A large-scale whole-genome sequencing analysis reveals highly specific genome editing by both Cas9 and Cpf1 (Cas12a) nucleases in rice. <i>Genome Biology</i> , 2018 , 19, 84	18.3	155
11	A CRISPR-Cpf1 system for efficient genome editing and transcriptional repression in plants. <i>Nature Plants</i> , 2017 , 3, 17018	11.5	308
10	Modulating Expression Improves Drought Tolerance in. <i>Frontiers in Plant Science</i> , 2017 , 8, 52	6.2	33
9	CRISPR-Cas9 Based Genome Editing Reveals New Insights into MicroRNA Function and Regulation in Rice. <i>Frontiers in Plant Science</i> , 2017 , 8, 1598	6.2	105
8	Construction of a Single Transcriptional Unit for Expression of Cas9 and Single-guide RNAs for Genome Editing in Plants. <i>Bio-protocol</i> , 2017 , 7, e2546	0.9	1
7	Arabidopsis DREB1B in transgenic <i>Salvia miltiorrhiza</i> increased tolerance to drought stress without stunting growth. <i>Plant Physiology and Biochemistry</i> , 2016 , 104, 17-28	5.4	29
6	Effective screen of CRISPR/Cas9-induced mutants in rice by single-strand conformation polymorphism. <i>Plant Cell Reports</i> , 2016 , 35, 1545-54	5.1	56
5	A Single Transcript CRISPR-Cas9 System for Efficient Genome Editing in Plants. <i>Molecular Plant</i> , 2016 , 9, 1088-91	14.4	98
4	Ectopic Expression of DREB Transcription Factor, AtDREB1A, Confers Tolerance to Drought in Transgenic <i>Salvia miltiorrhiza</i> . <i>Plant and Cell Physiology</i> , 2016 , 57, 1593-609	4.9	55
3	A CRISPR/Cas9 Toolbox for Multiplexed Plant Genome Editing and Transcriptional Regulation. <i>Plant Physiology</i> , 2015 , 169, 971-85	6.6	408
2	Rapid and efficient gene modification in rice and <i>Brachypodium</i> using TALENs. <i>Molecular Plant</i> , 2013 , 6, 1365-8	14.4	200
1	A large-scale whole-genome sequencing analysis reveals highly specific genome editing by both Cas9 and Cpf1 nucleases in rice		2