

Xuelian Zheng

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

3,463
citations

257450

24
h-index

414414

32
g-index

34
all docs

34
docs citations

34
times ranked

2857
citing authors

#	ARTICLE	IF	CITATIONS
1	CRISPR-Cas9 mediated <i>OsMIR168a</i> knockout reveals its pleiotropy in rice. <i>Plant Biotechnology Journal</i> , 2022, 20, 310-322.	8.3	32
2	CRISPR-BETS: a base editing design tool for generating stop codons. <i>Plant Biotechnology Journal</i> , 2022, 20, 499-510.	8.3	21
3	Genome-wide analyses of PAM-relaxed Cas9 genome editors reveal substantial off-target effects by ABE8e in rice. <i>Plant Biotechnology Journal</i> , 2022, 20, 1670-1682.	8.3	23
4	Improving a Quantitative Trait in Rice by Multigene Editing with CRISPR-Cas9. <i>Methods in Molecular Biology</i> , 2021, 2238, 205-219.	0.9	2
5	Expanding the scope of plant genome engineering with Cas12a orthologs and highly multiplexable editing systems. <i>Nature Communications</i> , 2021, 12, 1944.	12.8	79
6	Improved plant cytosine base editors with high editing activity, purity, and specificity. <i>Plant Biotechnology Journal</i> , 2021, 19, 2052-2068.	8.3	55
7	Exploring C-To-G Base Editing in Rice, Tomato, and Poplar. <i>Frontiers in Genome Editing</i> , 2021, 3, 756766.	5.2	32
8	PAM-less plant genome editing using a CRISPR-SpRY toolbox. <i>Nature Plants</i> , 2021, 7, 25-33.	9.3	140
9	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.	3.6	12
10	CRISPR-Cas12b enables efficient plant genome engineering. <i>Nature Plants</i> , 2020, 6, 202-208.	9.3	116
11	Plant Prime Editors Enable Precise Gene Editing in Rice Cells. <i>Molecular Plant</i> , 2020, 13, 667-670.	8.3	148
12	Knockout of the OsNAC006 Transcription Factor Causes Drought and Heat Sensitivity in Rice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2288.	4.1	69
13	Intron-Based Single Transcript Unit CRISPR Systems for Plant Genome Editing. <i>Rice</i> , 2020, 13, 8.	4.0	22
14	Bidirectional Promoter-Based CRISPR-Cas9 Systems for Plant Genome Editing. <i>Frontiers in Plant Science</i> , 2019, 10, 1173.	3.6	39
15	Multiplex QTL editing of grain-related genes improves yield in elite rice varieties. <i>Plant Cell Reports</i> , 2019, 38, 475-485.	5.6	136
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.	8.3	120
17	Knocking Out MicroRNA Genes in Rice with CRISPR-Cas9. <i>Methods in Molecular Biology</i> , 2019, 1917, 109-119.	0.9	8
18	Application of CRISPR-Cas12a temperature sensitivity for improved genome editing in rice, maize, and Arabidopsis. <i>BMC Biology</i> , 2019, 17, 9.	3.8	172

#	ARTICLE	IF	CITATIONS
19	Plant Genome Editing Using FnCpf1 and LbCpf1 Nucleases at Redefined and Altered PAM Sites. <i>Molecular Plant</i> , 2018, 11, 999-1002.	8.3	136
20	MIGS as a Simple and Efficient Method for Gene Silencing in Rice. <i>Frontiers in Plant Science</i> , 2018, 9, 662.	3.6	13
21	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.	8.8	230
22	A CRISPR-Cpf1 system for efficient genome editing and transcriptional repression in plants. <i>Nature Plants</i> , 2017, 3, 17018.	9.3	425
23	Modulating AtDREB1C Expression Improves Drought Tolerance in <i>Salvia miltiorrhiza</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 52.	3.6	52
24	CRISPR-Cas9 Based Genome Editing Reveals New Insights into MicroRNA Function and Regulation in Rice. <i>Frontiers in Plant Science</i> , 2017, 8, 1598.	3.6	150
25	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.	0.4	2
26	A Single Transcript CRISPR-Cas9 System for Efficient Genome Editing in Plants. <i>Molecular Plant</i> , 2016, 9, 1088-1091.	8.3	144
27	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, 1593-1609.	3.1	77
28	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.	5.8	42
29	Effective screen of CRISPR/Cas9-induced mutants in rice by single-strand conformation polymorphism. <i>Plant Cell Reports</i> , 2016, 35, 1545-1554.	5.6	74
30	A CRISPR/Cas9 Toolbox for Multiplexed Plant Genome Editing and Transcriptional Regulation. <i>Plant Physiology</i> , 2015, 169, 971-985.	4.8	532
31	Rapid and Efficient Gene Modification in Rice and <i>Brachypodium</i> Using TALENs. <i>Molecular Plant</i> , 2013, 6, 1365-1368.	8.3	245