

Zhen Liang

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

4,776
citations

758635

12
h-index

794141

19
g-index

20
all docs

20
docs citations

20
times ranked

4393
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeted genome modification of crop plants using a CRISPR-Cas system. <i>Nature Biotechnology</i> , 2013, 31, 686-688.	9.4	1,657
2	Efficient DNA-free genome editing of bread wheat using CRISPR/Cas9 ribonucleoprotein complexes. <i>Nature Communications</i> , 2017, 8, 14261.	5.8	751
3	Efficient and transgene-free genome editing in wheat through transient expression of CRISPR/Cas9 DNA or RNA. <i>Nature Communications</i> , 2016, 7, 12617.	5.8	710
4	Targeted Mutagenesis in <i>Zea mays</i> Using TALENs and the CRISPR/Cas System. <i>Journal of Genetics and Genomics</i> , 2014, 41, 63-68.	1.7	567
5	High efficiency gene targeting in hexaploid wheat using DNA replicons and CRISPR/Cas9. <i>Plant Journal</i> , 2017, 89, 1251-1262.	2.8	305
6	Rapid and Efficient Gene Modification in Rice and Brachypodium Using TALENs. <i>Molecular Plant</i> , 2013, 6, 1365-1368.	3.9	245
7	Genome editing of bread wheat using biolistic delivery of CRISPR/Cas9 in vitro transcripts or ribonucleoproteins. <i>Nature Protocols</i> , 2018, 13, 413-430.	5.5	179
8	Current and future editing reagent delivery systems for plant genome editing. <i>Science China Life Sciences</i> , 2017, 60, 490-505.	2.3	124
9	From Genetic Stock to Genome Editing: Gene Exploitation in Wheat. <i>Trends in Biotechnology</i> , 2018, 36, 160-172.	4.9	63
10	Genotyping genome-edited mutations in plants using CRISPR ribonucleoprotein complexes. <i>Plant Biotechnology Journal</i> , 2018, 16, 2053-2062.	4.1	62
11	MicroRNA393 is involved in nitrogen-promoted rice tillering through regulation of auxin signal transduction in axillary buds. <i>Scientific Reports</i> , 2016, 6, 32158.	1.6	44
12	Biolistic Delivery of CRISPR/Cas9 with Ribonucleoprotein Complex in Wheat. <i>Methods in Molecular Biology</i> , 2019, 1917, 327-335.	0.4	23
13	Efficient Genome Editing in <i>Setaria italica</i> Using CRISPR/Cas9 and Base Editors. <i>Frontiers in Plant Science</i> , 2021, 12, 815946.	1.7	13
14	An Efficient Targeted Mutagenesis System Using CRISPR/Cas in Monocotyledons. <i>Current Protocols in Plant Biology</i> , 2016, 1, 329-344.	2.8	9
15	CRISPR technology for abiotic stress resistant crop breeding. <i>Plant Growth Regulation</i> , 2021, 94, 115-129.	1.8	8
16	Testing Gene-Gene Interactions Based on a Neighborhood Perspective in Genome-wide Association Studies. <i>Frontiers in Genetics</i> , 2021, 12, 801261.	1.1	5
17	Bi-functional selection markers assist segregation of transgene-free, genome-edited mutants. <i>Science China Life Sciences</i> , 2021, 64, 1567-1570.	2.3	2
18	Maximal Information Coefficient-Based Testing to Identify Epistasis in Case-Control Association Studies. <i>Computational and Mathematical Methods in Medicine</i> , 2022, 2022, 1-12.	0.7	1

#	ARTICLE	IF	CITATIONS
19	Gene-Based Testing of Interactions Using XGBoost in Genome-Wide Association Studies. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 801113.	1.8	0