

# Zhen Liang

## List of Publications by Citations

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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.

19  
papers

3,440<sup>0</sup>  
citations

11  
h-index

20  
g-index

20  
ext. papers

4,194  
ext. citations

9.7  
avg. IF

5.2  
L-index

#	Paper	IF	Citations
19	Targeted genome modification of crop plants using a CRISPR-Cas system. <i>Nature Biotechnology</i> , <b>2013</b> , 31, 686-8	44.5	1266
18	Efficient DNA-free genome editing of bread wheat using CRISPR/Cas9 ribonucleoprotein complexes. <i>Nature Communications</i> , <b>2017</b> , 8, 14261	17.4	503
17	Efficient and transgene-free genome editing in wheat through transient expression of CRISPR/Cas9 DNA or RNA. <i>Nature Communications</i> , <b>2016</b> , 7, 12617	17.4	465
16	Targeted mutagenesis in Zea mays using TALENs and the CRISPR/Cas system. <i>Journal of Genetics and Genomics</i> , <b>2014</b> , 41, 63-8	4	435
15	High-efficiency gene targeting in hexaploid wheat using DNA replicons and CRISPR/Cas9. <i>Plant Journal</i> , <b>2017</b> , 89, 1251-1262	6.9	226
14	Rapid and efficient gene modification in rice and Brachypodium using TALENs. <i>Molecular Plant</i> , <b>2013</b> , 6, 1365-8	14.4	200
13	Genome editing of bread wheat using biolistic delivery of CRISPR/Cas9 in vitro transcripts or ribonucleoproteins. <i>Nature Protocols</i> , <b>2018</b> , 13, 413-430	18.8	116
12	Current and future editing reagent delivery systems for plant genome editing. <i>Science China Life Sciences</i> , <b>2017</b> , 60, 490-505	8.5	87
11	Genotyping genome-edited mutations in plants using CRISPR ribonucleoprotein complexes. <i>Plant Biotechnology Journal</i> , <b>2018</b> , 16, 2053-2062	11.6	44
10	From Genetic Stock to Genome Editing: Gene Exploitation in Wheat. <i>Trends in Biotechnology</i> , <b>2018</b> , 36, 160-172	15.1	40
9	MicroRNA393 is involved in nitrogen-promoted rice tillering through regulation of auxin signal transduction in axillary buds. <i>Scientific Reports</i> , <b>2016</b> , 6, 32158	4.9	29
8	Biolistic Delivery of CRISPR/Cas9 with Ribonucleoprotein Complex in Wheat. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1917, 327-335	1.4	11
7	An Efficient Targeted Mutagenesis System Using CRISPR/Cas in Monocotyledons. <i>Current Protocols in Plant Biology</i> , <b>2016</b> , 1, 329-344	2.8	7
6	Efficient Genome Editing in Using CRISPR/Cas9 and Base Editors.. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 815946	6.2	2
5	CRISPR technology for abiotic stress resistant crop breeding. <i>Plant Growth Regulation</i> , <b>2021</b> , 94, 115-129	3.2	2
4	Bi-functional selection markers assist segregation of transgene-free, genome-edited mutants. <i>Science China Life Sciences</i> , <b>2021</b> , 64, 1567-1570	8.5	1
3	Testing Gene-Gene Interactions Based on a Neighborhood Perspective in Genome-wide Association Studies.. <i>Frontiers in Genetics</i> , <b>2021</b> , 12, 801261	4.5	1

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|---|---|-----|---|
| 2 | Maximal Information Coefficient-Based Testing to Identify Epistasis in Case-Control Association Studies.. <i>Computational and Mathematical Methods in Medicine</i> , <b>2022</b> , 2022, 7843990 | 2.8 | o |
| 1 | Gene-Based Testing of Interactions Using XGBoost in Genome-Wide Association Studies.. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 801113                                | 5.7 |   |