

# Huawei Zhang

## List of Publications by Citations

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32  
papers

3,691  
citations

23  
h-index

34  
g-index

34  
ext. papers

4,849  
ext. citations

13.5  
avg, IF

5.6  
L-index

#	Paper	IF	Citations
32	CRISPR/Cas Genome Editing and Precision Plant Breeding in Agriculture. <i>Annual Review of Plant Biology</i> , <b>2019</b> , 70, 667-697	30.7	554
31	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
30	Establishing a CRISPR-Cas-like immune system conferring DNA virus resistance in plants. <i>Nature Plants</i> , <b>2015</b> , 1, 15144	11.5	252
29	Domestication of wild tomato is accelerated by genome editing. <i>Nature Biotechnology</i> , <b>2018</b> ,	44.5	249
28	Insights into salt tolerance from the genome of <i>Thellungiella salsuginea</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 12219-24	11.5	227
27	Gene replacements and insertions in rice by intron targeting using CRISPR-Cas9. <i>Nature Plants</i> , <b>2016</b> , 2, 16139	11.5	221
26	ABI4 regulates primary seed dormancy by regulating the biogenesis of abscisic acid and gibberellins in arabidopsis. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003577	6	211
25	An efficient system to detect protein ubiquitination by agroinfiltration in <i>Nicotiana benthamiana</i> . <i>Plant Journal</i> , <b>2010</b> , 61, 893-903	6.9	202
24	Genome editing of upstream open reading frames enables translational control in plants. <i>Nature Biotechnology</i> , <b>2018</b> , 36, 894-898	44.5	128
23	Analysis of the functions of TaGW2 homoeologs in wheat grain weight and protein content traits. <i>Plant Journal</i> , <b>2018</b> , 94, 857-866	6.9	123
22	The endoplasmic reticulum-associated degradation is necessary for plant salt tolerance. <i>Cell Research</i> , <b>2011</b> , 21, 957-69	24.7	106
21	The SINA E3 ligase OsDIS1 negatively regulates drought response in rice. <i>Plant Physiology</i> , <b>2011</b> , 157, 242-55	6.6	105
20	The RING finger ubiquitin E3 ligase SDIR1 targets SDIR1-INTERACTING PROTEIN1 for degradation to modulate the salt stress response and ABA signaling in <i>Arabidopsis</i> . <i>Plant Cell</i> , <b>2015</b> , 27, 214-27	11.6	103
19	Hi-TOM: a platform for high-throughput tracking of mutations induced by CRISPR/Cas systems. <i>Science China Life Sciences</i> , <b>2019</b> , 62, 1-7	8.5	95
18	ABI4 mediates antagonistic effects of abscisic acid and gibberellins at transcript and protein levels. <i>Plant Journal</i> , <b>2016</b> , 85, 348-61	6.9	90
17	Perfectly matched 20-nucleotide guide RNA sequences enable robust genome editing using high-fidelity SpCas9 nucleases. <i>Genome Biology</i> , <b>2017</b> , 18, 191	18.3	79
16	ABSCISIC ACID-INSENSITIVE 4 negatively regulates flowering through directly promoting <i>Arabidopsis</i> FLOWERING LOCUS C transcription. <i>Journal of Experimental Botany</i> , <b>2016</b> , 67, 195-205	7	74

15	Generation of thermosensitive male-sterile maize by targeted knockout of the ZmTMS5 gene. <i>Journal of Genetics and Genomics</i> , <b>2017</b> , 44, 465-468	4	67
14	Tobacco RING E3 Ligase NtRFP1 Mediates Ubiquitination and Proteasomal Degradation of a Geminivirus-Encoded $\Omega$ 1. <i>Molecular Plant</i> , <b>2016</b> , 9, 911-25	14.4	59
13	The RING finger E3 ligase STRF1 is involved in membrane trafficking and modulates salt-stress response in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , <b>2015</b> , 82, 81-92	6.9	42
12	Conferring DNA virus resistance with high specificity in plants using virus-inducible genome-editing system. <i>Genome Biology</i> , <b>2018</b> , 19, 197	18.3	38
11	Manipulating mRNA splicing by base editing in plants. <i>Science China Life Sciences</i> , <b>2018</b> , 61, 1293-1300	8.5	37
10	Fine-tuning sugar content in strawberry. <i>Genome Biology</i> , <b>2020</b> , 21, 230	18.3	26
9	Manipulating gene translation in plants by CRISPR-Cas9-mediated genome editing of upstream open reading frames. <i>Nature Protocols</i> , <b>2020</b> , 15, 338-363	18.8	23
8	Precise, predictable multi-nucleotide deletions in rice and wheat using APOBEC-Cas9. <i>Nature Biotechnology</i> , <b>2020</b> , 38, 1460-1465	44.5	21
7	Ectopic expression of a LEA protein gene TsLEA1 from <i>Thellungiella salsuginea</i> confers salt-tolerance in yeast and <i>Arabidopsis</i> . <i>Molecular Biology Reports</i> , <b>2012</b> , 39, 4627-33	2.8	21
6	A large insert <i>Thellungiella halophila</i> BIBAC library for genomics and identification of stress tolerance genes. <i>Plant Molecular Biology</i> , <b>2010</b> , 72, 91-9	4.6	16
5	Shortening the sgRNA-DNA interface enables SpCas9 and eSpCas9(1.1) to nick the target DNA strand. <i>Science China Life Sciences</i> , <b>2020</b> , 63, 1619-1630	8.5	8
4	GLABRA2-based selection efficiently enriches Cas9-generated nonchimeric mutants in the T1 generation. <i>Plant Physiology</i> , <b>2021</b> , 187, 758-768	6.6	6
3	Transgene-free Genome Editing in Plants.. <i>Frontiers in Genome Editing</i> , <b>2021</b> , 3, 805317	2.5	2
2	Efficient transformation and genome editing of watermelon assisted by genes that encode developmental regulators		1
1	Efficient genetic transformation and CRISPR/Cas9-mediated genome editing of watermelon assisted by genes encoding developmental regulators.. <i>Journal of Zhejiang University: Science B</i> , <b>2022</b> , 23, 339-344	4.5	1