

Yi Zhang

List of Publications by Year in Descending Order

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Version: 2024-04-09

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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.

20 papers	5,221 citations	18 h-index	21 g-index
21 ext. papers	6,465 ext. citations	15.9 avg, IF	5.67 L-index

#	Paper	IF	Citations
20	A CRISPR way for accelerating improvement of food crops. <i>Nature Food</i> , 2020 , 1, 200-205	14.4	79
19	Arabidopsis ZINC FINGER PROTEIN1 Acts Downstream of GL2 to Repress Root Hair Initiation and Elongation by Directly Suppressing bHLH Genes. <i>Plant Cell</i> , 2020 , 32, 206-225	11.6	31
18	Analysis of the functions of TaGW2 homoeologs in wheat grain weight and protein content traits. <i>Plant Journal</i> , 2018 , 94, 857-866	6.9	123
17	Genome editing of bread wheat using biolistic delivery of CRISPR/Cas9 in vitro transcripts or ribonucleoproteins. <i>Nature Protocols</i> , 2018 , 13, 413-430	18.8	116
16	Genotyping genome-edited mutations in plants using CRISPR ribonucleoprotein complexes. <i>Plant Biotechnology Journal</i> , 2018 , 16, 2053-2062	11.6	44
15	Conferring DNA virus resistance with high specificity in plants using virus-inducible genome-editing system. <i>Genome Biology</i> , 2018 , 19, 197	18.3	38
14	Applications and potential of genome editing in crop improvement. <i>Genome Biology</i> , 2018 , 19, 210	18.3	188
13	Efficient DNA-free genome editing of bread wheat using CRISPR/Cas9 ribonucleoprotein complexes. <i>Nature Communications</i> , 2017 , 8, 14261	17.4	503
12	Construction of a Genome-Wide Mutant Library in Rice Using CRISPR/Cas9. <i>Molecular Plant</i> , 2017 , 10, 1238-1241	14.4	127
11	Vacuum and Co-cultivation Agroinfiltration of (Germinated) Seeds Results in Tobacco Rattle Virus (TRV) Mediated Whole-Plant Virus-Induced Gene Silencing (VIGS) in Wheat and Maize. <i>Frontiers in Plant Science</i> , 2017 , 8, 393	6.2	34
10	Recent advances in DNA-free editing and precise base editing in plants. <i>Emerging Topics in Life Sciences</i> , 2017 , 1, 161-168	3.5	5
9	Generation of Stable Transgenic Rice (<i>Oryza sativa</i> L.) by Agrobacterium-Mediated Transformation. <i>Current Protocols in Plant Biology</i> , 2016 , 1, 235-246	2.8	6
8	Efficient and transgene-free genome editing in wheat through transient expression of CRISPR/Cas9 DNA or RNA. <i>Nature Communications</i> , 2016 , 7, 12617	17.4	465
7	The OsSPL16-GW7 regulatory module determines grain shape and simultaneously improves rice yield and grain quality. <i>Nature Genetics</i> , 2015 , 47, 949-54	36.3	349
6	Biolistic genetic transformation of a wide range of Chinese elite wheat (<i>Triticum aestivum</i> L.) varieties. <i>Journal of Genetics and Genomics</i> , 2015 , 42, 39-42	4	20
5	Establishing a CRISPR-Cas-like immune system conferring DNA virus resistance in plants. <i>Nature Plants</i> , 2015 , 1, 15144	11.5	252
4	Creation of fragrant rice by targeted knockout of the OsBADH2 gene using TALEN technology. <i>Plant Biotechnology Journal</i> , 2015 , 13, 791-800	11.6	204

3	Simultaneous editing of three homoeoalleles in hexaploid bread wheat confers heritable resistance to powdery mildew. <i>Nature Biotechnology</i> , 2014 , 32, 947-51	44.5	1161
2	Targeted genome modification of crop plants using a CRISPR-Cas system. <i>Nature Biotechnology</i> , 2013 , 31, 686-8	44.5	1266
1	Rapid and efficient gene modification in rice and Brachypodium using TALENs. <i>Molecular Plant</i> , 2013 , 6, 1365-8	14.4	200