Yi Zhang

List of Publications by Citations

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	Targeted genome modification of crop plants using a CRISPR-Cas system. *Nature Biotechnology*, **2013**, 31, 686-8	44.5	1266
19	Simultaneous editing of three homoeoalleles in hexaploid bread wheat confers heritable resistance to powdery mildew. *Nature Biotechnology*, **2014**, 32, 947-51	44.5	1161
18	Efficient DNA-free genome editing of bread wheat using CRISPR/Cas9 ribonucleoprotein complexes. *Nature Communications*, **2017**, 8, 14261	17.4	503
17	Efficient and transgene-free genome editing in wheat through transient expression of CRISPR/Cas9 DNA or RNA. *Nature Communications*, **2016**, 7, 12617	17.4	465
16	The OsSPL16-GW7 regulatory module determines grain shape and simultaneously improves rice yield and grain quality. *Nature Genetics*, **2015**, 47, 949-54	36.3	349
15	Establishing a CRISPR-Cas-like immune system conferring DNA virus resistance in plants. *Nature Plants*, **2015**, 1, 15144	11.5	252
14	Creation of fragrant rice by targeted knockout of the OsBADH2 gene using TALEN technology. *Plant Biotechnology Journal*, **2015**, 13, 791-800	11.6	204
13	Rapid and efficient gene modification in rice and Brachypodium using TALENs. *Molecular Plant*, **2013**, 6, 1365-8	14.4	200
12	Applications and potential of genome editing in crop improvement. *Genome Biology*, **2018**, 19, 210	18.3	188
11	Construction of a Genome-Wide Mutant Library in Rice Using CRISPR/Cas9. *Molecular Plant*, **2017**, 10, 1238-1241	14.4	127
10	Analysis of the functions of TaGW2 homoeologs in wheat grain weight and protein content traits. *Plant Journal*, **2018**, 94, 857-866	6.9	123
9	Genome editing of bread wheat using biolistic delivery of CRISPR/Cas9 in vitro transcripts or ribonucleoproteins. *Nature Protocols*, **2018**, 13, 413-430	18.8	116
8	A CRISPR way for accelerating improvement of food crops. *Nature Food*, **2020**, 1, 200-205	14.4	79
7	Genotyping genome-edited mutations in plants using CRISPR ribonucleoprotein complexes. *Plant Biotechnology Journal*, **2018**, 16, 2053-2062	11.6	44
6	Conferring DNA virus resistance with high specificity in plants using virus-inducible genome-editing system. *Genome Biology*, **2018**, 19, 197	18.3	38
5	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. *Frontiers in Plant Science*, **2017**, 8, 393	6.2	34
4	Arabidopsis ZINC FINGER PROTEIN1 Acts Downstream of GL2 to Repress Root Hair Initiation and Elongation by Directly Suppressing bHLH Genes. *Plant Cell*, **2020**, 32, 206-225	11.6	31

3	Biolistic genetic transformation of a wide range of Chinese elite wheat (Triticum aestivum L.) varieties. *Journal of Genetics and Genomics*, **2015**, 42, 39-42	4	20
2	Generation of Stable Transgenic Rice (Oryza sativa L.) by Agrobacterium-Mediated Transformation. *Current Protocols in Plant Biology*, **2016**, 1, 235-246	2.8	6
1	Recent advances in DNA-free editing and precise base editing in plants. *Emerging Topics in Life Sciences*, **2017**, 1, 161-168	3.5	5