Yanpeng Wang

List of Publications by Year in Descending Order

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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.

28 papers	6,881 citations	18 h-index	29 g-index
29 ext. papers	8,888 ext. citations	23.3 avg, IF	6.15 L-index

#	Paper	IF	Citations
28	Genome-edited powdery mildew resistance in wheat without growth penalties.. *Nature*, **2022**,	50.4	14
27	An engineered prime editor with enhanced editing efficiency in plants.. *Nature Biotechnology*, **2022**,	44.5	4
26	Genome-wide identification of seed storage protein gene regulators in wheat through coexpression analysis. *Plant Journal*, **2021**,	6.9	1
25	Identification and characterization of Sr22b, a new allele of the wheat stem rust resistance gene Sr22 effective against the Ug99 race group. *Plant Biotechnology Journal*, **2021**,	11.6	3
24	WheatOmics: A platform combining multiple omics data to accelerate functional genomics studies in wheat. *Molecular Plant*, **2021**, 14, 1965-1968	14.4	14
23	High-efficiency prime editing with optimized, paired pegRNAs in plants. *Nature Biotechnology*, **2021** , 39, 923-927	44.5	61
22	The MYB family transcription factor TuODORANT1 from Triticum urartu and the homolog TaODORANT1 from Triticum aestivum inhibit seed storage protein synthesis in wheat. *Plant Biotechnology Journal*, **2021**, 19, 1863-1877	11.6	2
21	Genome editing in plants with MAD7 nuclease. *Journal of Genetics and Genomics*, **2021**, 48, 444-451	4	4
20	Highly efficient heritable genome editing in wheat using an RNA virus and bypassing tissue culture. *Molecular Plant*, **2021**, 14, 1787-1798	14.4	14
19	SWISS: multiplexed orthogonal genome editing in plants with a Cas9 nickase and engineered CRISPR RNA scaffolds. *Genome Biology*, **2020**, 21, 141	18.3	18
18	Prime genome editing in rice and wheat. *Nature Biotechnology*, **2020**, 38, 582-585	44.5	299
17	Manipulating gene translation in plants by CRISPR-Cas9-mediated genome editing of upstream open reading frames. *Nature Protocols*, **2020**, 15, 338-363	18.8	23
16	Rationally Designed APOBEC3B Cytosine Base Editors with Improved Specificity. *Molecular Cell*, **2020**, 79, 728-740.e6	17.6	45
15	CRISPR/Cas Genome Editing and Precision Plant Breeding in Agriculture. *Annual Review of Plant Biology*, **2019**, 70, 667-697	30.7	554
14	Cytosine, but not adenine, base editors induce genome-wide off-target mutations in rice. *Science*, **2019**, 364, 292-295	33.3	324
13	Expanded base editing in rice and wheat using a Cas9-adenosine deaminase fusion. *Genome Biology* , **2018**, 19, 59	18.3	264
12	Efficient C-to-T base editing in plants using a fusion of nCas9 and human APOBEC3A. *Nature Biotechnology*, **2018**,	44.5	194

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11	Efficient DNA-free genome editing of bread wheat using CRISPR/Cas9 ribonucleoprotein complexes. *Nature Communications*, **2017**, 8, 14261	17.4	503
10	Precise base editing in rice, wheat and maize with a Cas9-cytidine deaminase fusion. *Nature Biotechnology*, **2017**, 35, 438-440	44.5	508
9	High-efficiency gene targeting in hexaploid wheat using DNA replicons and CRISPR/Cas9. *Plant Journal*, **2017**, 89, 1251-1262	6.9	226
8	Targeted Mutagenesis in Hexaploid Bread Wheat Using the TALEN and CRISPR/Cas Systems. *Methods in Molecular Biology*, **2017**, 1679, 169-185	1.4	4
7	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
6	Establishing a CRISPR-Cas-like immune system conferring DNA virus resistance in plants. *Nature Plants*, **2015**, 1, 15144	11.5	252
5	Genome editing in rice and wheat using the CRISPR/Cas system. *Nature Protocols*, **2014**, 9, 2395-410	18.8	455
4	Simultaneous editing of three homoeoalleles in hexaploid bread wheat confers heritable resistance to powdery mildew. *Nature Biotechnology*, **2014**, 32, 947-51	44.5	1161
3	Targeted genome modification of crop plants using a CRISPR-Cas system. *Nature Biotechnology*, **2013**, 31, 686-8	44.5	1266
2	Rapid and efficient gene modification in rice and Brachypodium using TALENs. *Molecular Plant*, **2013**, 6, 1365-8	14.4	200
1	The wheat cytosolic glutamine synthetaseGS1.1modulates N assimilation and spike development by characterizing CRISPR-edited mutants		3