

# Yanpeng Wang

## 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.

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	Targeted genome modification of crop plants using a CRISPR-Cas system. <i>Nature Biotechnology</i> , <b>2013</b> , 31, 686-8	44.5	1266
27	Simultaneous editing of three homoeoalleles in hexaploid bread wheat confers heritable resistance to powdery mildew. <i>Nature Biotechnology</i> , <b>2014</b> , 32, 947-51	44.5	1161
26	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
25	Precise base editing in rice, wheat and maize with a Cas9-cytidine deaminase fusion. <i>Nature Biotechnology</i> , <b>2017</b> , 35, 438-440	44.5	508
24	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
23	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
22	Genome editing in rice and wheat using the CRISPR/Cas system. <i>Nature Protocols</i> , <b>2014</b> , 9, 2395-410	18.8	455
21	Cytosine, but not adenine, base editors induce genome-wide off-target mutations in rice. <i>Science</i> , <b>2019</b> , 364, 292-295	33.3	324
20	Prime genome editing in rice and wheat. <i>Nature Biotechnology</i> , <b>2020</b> , 38, 582-585	44.5	299
19	Expanded base editing in rice and wheat using a Cas9-adenosine deaminase fusion. <i>Genome Biology</i> , <b>2018</b> , 19, 59	18.3	264
18	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
17	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
16	Rapid and efficient gene modification in rice and Brachypodium using TALENs. <i>Molecular Plant</i> , <b>2013</b> , 6, 1365-8	14.4	200
15	Efficient C-to-T base editing in plants using a fusion of nCas9 and human APOBEC3A. <i>Nature Biotechnology</i> , <b>2018</b> ,	44.5	194
14	High-efficiency prime editing with optimized, paired pegRNAs in plants. <i>Nature Biotechnology</i> , <b>2021</b> , 39, 923-927	44.5	61
13	Rationally Designed APOBEC3B Cytosine Base Editors with Improved Specificity. <i>Molecular Cell</i> , <b>2020</b> , 79, 728-740.e6	17.6	45
12	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

11	SWISS: multiplexed orthogonal genome editing in plants with a Cas9 nickase and engineered CRISPR RNA scaffolds. <i>Genome Biology</i> , <b>2020</b> , 21, 141	18.3	18
10	Genome-edited powdery mildew resistance in wheat without growth penalties.. <i>Nature</i> , <b>2022</b> ,	50.4	14
9	WheatOmics: A platform combining multiple omics data to accelerate functional genomics studies in wheat. <i>Molecular Plant</i> , <b>2021</b> , 14, 1965-1968	14.4	14
8	Highly efficient heritable genome editing in wheat using an RNA virus and bypassing tissue culture. <i>Molecular Plant</i> , <b>2021</b> , 14, 1787-1798	14.4	14
7	Targeted Mutagenesis in Hexaploid Bread Wheat Using the TALEN and CRISPR/Cas Systems. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1679, 169-185	1.4	4
6	Genome editing in plants with MAD7 nuclease. <i>Journal of Genetics and Genomics</i> , <b>2021</b> , 48, 444-451	4	4
5	An engineered prime editor with enhanced editing efficiency in plants.. <i>Nature Biotechnology</i> , <b>2022</b> ,	44.5	4
4	Identification and characterization of Sr22b, a new allele of the wheat stem rust resistance gene Sr22 effective against the Ug99 race group. <i>Plant Biotechnology Journal</i> , <b>2021</b> ,	11.6	3
3	The wheat cytosolic glutamine synthetaseGS1.1modulates N assimilation and spike development by characterizing CRISPR-edited mutants		3
2	The MYB family transcription factor TuODORANT1 from <i>Triticum urartu</i> and the homolog TaODORANT1 from <i>Triticum aestivum</i> inhibit seed storage protein synthesis in wheat. <i>Plant Biotechnology Journal</i> , <b>2021</b> , 19, 1863-1877	11.6	2
1	Genome-wide identification of seed storage protein gene regulators in wheat through coexpression analysis. <i>Plant Journal</i> , <b>2021</b> ,	6.9	1