

Daowen 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.

72
papers

2,603
citations

23
h-index

50
g-index

76
ext. papers

3,652
ext. citations

9.1
avg. IF

5.04
L-index

#	Paper	IF	Citations
72	Transcriptional Coactivators: Driving Force of Plant Immunity.. <i>Frontiers in Plant Science</i> , 2022 , 13, 823937	3.2	0
71	Helitron and CACTA DNA transposons actively reshape the common bread wheat - AK58 genome.. <i>Genomics</i> , 2022 , 114, 110288	4.3	1
70	A recent burst of gene duplications in Triticeae.. <i>Plant Communications</i> , 2022 , 3, 100268	9	0
69	Two interacting transcriptional coactivators cooperatively control plant immune responses. <i>Science Advances</i> , 2021 , 7, eabl7173	14.3	3
68	Assembling the Rye Genome. <i>Compendium of Plant Genomes</i> , 2021 , 101-116	0.8	
67	Degradation without ubiquitination: new function of a parasite effector. <i>Trends in Parasitology</i> , 2021 , 37, 1024-1026	6.4	
66	TaPHT1;9-4B and its transcriptional regulator TaMYB4-7D contribute to phosphate uptake and plant growth in bread wheat. <i>New Phytologist</i> , 2021 , 231, 1968-1983	9.8	2
65	Efficient expression and function of a receptor-like kinase in wheat powdery mildew defence require an intron-located MYB binding site. <i>Plant Biotechnology Journal</i> , 2021 , 19, 897-909	11.6	5
64	Wheat heat tolerance is impaired by heightened deletions in the distal end of 4AL chromosomal arm. <i>Plant Biotechnology Journal</i> , 2021 , 19, 1038-1051	11.6	7
63	Homology-mediated inter-chromosomal interactions in hexaploid wheat lead to specific subgenome territories following polyploidization and introgression. <i>Genome Biology</i> , 2021 , 22, 26	18.3	11
62	A high-quality genome assembly highlights rye genomic characteristics and agronomically important genes. <i>Nature Genetics</i> , 2021 , 53, 574-584	36.3	31
61	The BZR1-EDS1 module regulates plant growth-defense coordination. <i>Molecular Plant</i> , 2021 , 14, 2072-2084	17.4	2
60	A distinct class of plant and animal viral proteins that disrupt mitosis by directly interrupting the mitotic entry switch Wee1-Cdc25-Cdk1. <i>Science Advances</i> , 2020 , 6, eaba3418	14.3	3
59	SnRK1 Phosphorylates and Destabilizes WRKY3 to Enhance Barley Immunity to Powdery Mildew. <i>Plant Communications</i> , 2020 , 1, 100083	9	8
58	Achieving Plant Genome Editing While Bypassing Tissue Culture. <i>Trends in Plant Science</i> , 2020 , 25, 427-429	3.1	11
57	Reprogramming and remodeling: transcriptional and epigenetic regulation of salicylic acid-mediated plant defense. <i>Journal of Experimental Botany</i> , 2020 , 71, 5256-5268	7	17
56	Genomic and functional genomics analyses of gluten proteins and prospect for simultaneous improvement of end-use and health-related traits in wheat. <i>Theoretical and Applied Genetics</i> , 2020 , 133, 1521-1539	6	25

55	The TuMYB46L-TuACO3 module regulates ethylene biosynthesis in einkorn wheat defense to powdery mildew. <i>New Phytologist</i> , 2020 , 225, 2526-2541	9.8	14
54	The florigen interactor BdES43 represses flowering in the model temperate grass <i>Brachypodium distachyon</i> . <i>Plant Journal</i> , 2020 , 102, 262-275	6.9	1
53	Development and characterization of marker-free and transgene insertion site-defined transgenic wheat with improved grain storability and fatty acid content. <i>Plant Biotechnology Journal</i> , 2020 , 18, 129-140	11.6	7
52	Heat stress-induced transposon activation correlates with 3D chromatin organization rearrangement in <i>Arabidopsis</i> . <i>Nature Communications</i> , 2020 , 11, 1886	17.4	31
51	NPR1 Promotes Its Own and Target Gene Expression in Plant Defense by Recruiting CDK8. <i>Plant Physiology</i> , 2019 , 181, 289-304	6.6	42
50	Cytosine, but not adenine, base editors induce genome-wide off-target mutations in rice. <i>Science</i> , 2019 , 364, 292-295	33.3	324
49	CRISPR editing-mediated antiviral immunity: a versatile source of resistance to combat plant virus infections. <i>Science China Life Sciences</i> , 2019 , 62, 1246-1249	8.5	9
48	Assessment of the individual and combined effects of Rht8 and Ppd-D1a on plant height, time to heading and yield traits in common wheat. <i>Crop Journal</i> , 2019 , 7, 845-856	4.6	6
47	Connecting the Dots: A New and Complete Salicylic Acid Biosynthesis Pathway. <i>Molecular Plant</i> , 2019 , 12, 1539-1541	14.4	2
46	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
45	Genome editing of upstream open reading frames enables translational control in plants. <i>Nature Biotechnology</i> , 2018 , 36, 894-898	44.5	128
44	Gene Duplication and Evolution Dynamics in the Homeologous Regions Harboring Multiple Prolamin and Resistance Gene Families in Hexaploid Wheat. <i>Frontiers in Plant Science</i> , 2018 , 9, 673	6.2	39
43	Analysis of the Gli-D2 locus identifies a genetic target for simultaneously improving the breadmaking and health-related traits of common wheat. <i>Plant Journal</i> , 2018 , 95, 414-426	6.9	12
42	Genome sequence of the progenitor of wheat A subgenome <i>Triticum urartu</i> . <i>Nature</i> , 2018 , 557, 424-428	50.4	205
41	Pandemonium Breaks Out: Disruption of Salicylic Acid-Mediated Defense by Plant Pathogens. <i>Molecular Plant</i> , 2018 , 11, 1427-1439	14.4	57
40	Reactions of <i>Triticum urartu</i> accessions to two races of the wheat yellow rust pathogen. <i>Crop Journal</i> , 2018 , 6, 509-515	4.6	1
39	Precise base editing in rice, wheat and maize with a Cas9-cytidine deaminase fusion. <i>Nature Biotechnology</i> , 2017 , 35, 438-440	44.5	508
38	High-throughput mining of E-genome-specific SNPs for characterizing <i>Thinopyrum elongatum</i> introgressions in common wheat. <i>Molecular Ecology Resources</i> , 2017 , 17, 1318-1329	8.4	14

37	Genome-wide analysis of complex wheat gliadins, the dominant carriers of celiac disease epitopes. <i>Scientific Reports</i> , 2017 , 7, 44609	4.9	41
36	Development of a new set of molecular markers for examining Glu-A1 variants in common wheat and ancestral species. <i>PLoS ONE</i> , 2017 , 12, e0180766	3.7	5
35	ThMYC4E, candidate Blue aleurone 1 gene controlling the associated trait in <i>Triticum aestivum</i> . <i>PLoS ONE</i> , 2017 , 12, e0181116	3.7	17
34	New insights into structural organization and gene duplication in a 1.75-Mb genomic region harboring the Egladin gene family in <i>Aegilops tauschii</i> , the source of wheat D genome. <i>Plant Journal</i> , 2017 , 92, 571-583	6.9	18
33	New insight into the function of wheat glutenin proteins as investigated with two series of genetic mutants. <i>Scientific Reports</i> , 2017 , 7, 3428	4.9	22
32	A novel allele of L-galactono-1,4-lactone dehydrogenase is associated with enhanced drought tolerance through affecting stomatal aperture in common wheat. <i>Scientific Reports</i> , 2016 , 6, 30177	4.9	6
31	Rapid evolutionary dynamics in a 2.8-Mb chromosomal region containing multiple prolamin and resistance gene families in <i>Aegilops tauschii</i> . <i>Plant Journal</i> , 2016 , 87, 495-506	6.9	19
30	Coexpression network analysis of the genes regulated by two types of resistance responses to powdery mildew in wheat. <i>Scientific Reports</i> , 2016 , 6, 23805	4.9	25
29	Genetic analysis of chromosomal loci affecting the content of insoluble glutenin in common wheat. <i>Journal of Genetics and Genomics</i> , 2015 , 42, 495-505	4	3
28	Grain-specific reduction in lipoxygenase activity improves flour color quality and seed longevity in common wheat. <i>Molecular Breeding</i> , 2015 , 35, 1	3.4	10
27	The distribution of cotransformed transgenes in particle bombardment-mediated transformed wheat. <i>Transgenic Research</i> , 2015 , 24, 1055-63	3.3	4
26	Single-molecule real-time transcript sequencing facilitates common wheat genome annotation and grain transcriptome research. <i>BMC Genomics</i> , 2015 , 16, 1039	4.5	81
25	Dissecting and enhancing the contributions of high-molecular-weight glutenin subunits to dough functionality and bread quality. <i>Molecular Plant</i> , 2015 , 8, 332-4	14.4	20
24	Partial suppression of l-galactono-1,4-lactone dehydrogenase causes significant reduction in leaf water loss through decreasing stomatal aperture size in <i>Arabidopsis</i> . <i>Plant Growth Regulation</i> , 2014 , 72, 171-179	3.2	3
23	Natural variation of TaGASR7-A1 affects grain length in common wheat under multiple cultivation conditions. <i>Molecular Breeding</i> , 2014 , 34, 937-947	3.4	53
22	Identification and characterization of high-molecular-weight glutenin subunits from <i>Agropyron intermedium</i> . <i>PLoS ONE</i> , 2014 , 9, e87477	3.7	10
21	Further genetic analysis of a major quantitative trait locus controlling root length and related traits in common wheat. <i>Molecular Breeding</i> , 2014 , 33, 975-985	3.4	23
20	Efficient and fine mapping of RMES1 conferring resistance to sorghum aphid <i>Melanaphis sacchari</i> . <i>Molecular Breeding</i> , 2013 , 31, 777-784	3.4	22

19	Association analysis of genomic loci important for grain weight control in elite common wheat varieties cultivated with variable water and fertiliser supply. <i>PLoS ONE</i> , 2013 , 8, e57853	3.7	42
18	Haplotype variation of Glu-D1 locus and the origin of Glu-D1d allele conferring superior end-use qualities in common wheat. <i>PLoS ONE</i> , 2013 , 8, e74859	3.7	12
17	Molecular characterization of a novel type of lipoxygenase (LOX) gene from common wheat (<i>Triticum aestivum</i> L.). <i>Molecular Breeding</i> , 2012 , 30, 113-124	3.4	11
16	Molecular analysis of common wheat genes encoding three types of cytosolic heat shock protein 90 (Hsp90): functional involvement of cytosolic Hsp90s in the control of wheat seedling growth and disease resistance. <i>New Phytologist</i> , 2011 , 191, 418-431	9.8	73
15	New insights into the organization, recombination, expression and functional mechanism of low molecular weight glutenin subunit genes in bread wheat. <i>PLoS ONE</i> , 2010 , 5, e13548	3.7	60
14	Molecular analysis of lipoxygenase (LOX) genes in common wheat and phylogenetic investigation of LOX proteins from model and crop plants. <i>Journal of Cereal Science</i> , 2010 , 52, 387-394	3.8	41
13	Molecular analysis of phosphomannomutase (PMM) genes reveals a unique PMM duplication event in diverse Triticeae species and the main PMM isozymes in bread wheat tissues. <i>BMC Plant Biology</i> , 2010 , 10, 214	5.3	13
12	Wide hybridization: engineering the next leap in wheat yield. <i>Journal of Genetics and Genomics</i> , 2009 , 36, 509-10	4	8
11	Reduction of root flavonoid level and its potential involvement in lateral root emergence in <i>Arabidopsis thaliana</i> grown under low phosphate supply. <i>Functional Plant Biology</i> , 2009 , 36, 564-573	2.7	4
10	GDP-mannose pyrophosphorylase is a genetic determinant of ammonium sensitivity in <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 18308-13	11.5	92
9	A potential nuclear envelope-targeting domain and an arginine-rich RNA binding element identified in the putative movement protein of the GAV strain of Barley yellow dwarf virus. <i>Functional Plant Biology</i> , 2008 , 35, 40-50	2.7	5
8	Identification of new T1BL.1RS translocation lines derived from wheat (<i>Triticum aestivum</i> L. cultivar Xiaoyan No. 6) and rye hybridization. <i>Acta Physiologiae Plantarum</i> , 2008 , 30, 689-695	2.6	4
7	Molecular and functional analysis of phosphomannomutase (PMM) from higher plants and genetic evidence for the involvement of PMM in ascorbic acid biosynthesis in <i>Arabidopsis</i> and <i>Nicotiana benthamiana</i> . <i>Plant Journal</i> , 2007 , 49, 399-413	6.9	84
6	Molecular and functional analysis of hypoxanthine-guanine phosphoribosyltransferase from <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2007 , 175, 448-461	9.8	8
5	Molecular and Functional Characterization of Sphingosine-1-Phosphate Lyase Homolog from Higher Plants. <i>Journal of Integrative Plant Biology</i> , 2007 , 49, 323-335	8.3	10
4	Transcriptome analysis reveals differentially expressed storage protein transcripts in seeds of <i>Aegilops</i> and wheat. <i>Journal of Cereal Science</i> , 2006 , 44, 75-85	3.8	45
3	Interaction between the movement protein of barley yellow dwarf virus and the cell nuclear envelope: role of a putative amphiphilic alpha-helix at the N-terminus of the movement protein. <i>Biopolymers</i> , 2005 , 79, 86-96	2.2	12
2	A transgenic wheat with a stilbene synthase gene resistant to powdery mildew obtained by biolistic method. <i>Science Bulletin</i> , 2000 , 45, 634-638		19

- 1 Contrasting patterns in the spread of two seed-borne viruses in pea embryos. *Plant Journal*, **1997**, 11, 1333-1340 6.9 28