

Meng Yuan

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.

49
papers

1,922
citations

17
h-index

43
g-index

55
ext. papers

2,649
ext. citations

9.4
avg, IF

4.78
L-index

#	Paper	IF	Citations
49	An MKP-MAPK protein phosphorylation cascade controls vascular immunity in plants.. <i>Science Advances</i> , 2022 , 8, eabg8723	14.3	0
48	Promotes Abscisic Acid Accumulation to Accelerate Leaf Senescence and Inhibit Seed Germination by Downregulating Abscisic Acid Catabolic Genes in Rice.. <i>Frontiers in Plant Science</i> , 2021 , 12, 816156	6.2	0
47	An <i>Oryza</i> -specific hydroxycinnamoyl tyramine gene cluster contributes to enhanced disease resistance. <i>Science Bulletin</i> , 2021 , 66, 2369-2369	10.6	8
46	Impaired SWEET-mediated sugar transportation impacts starch metabolism in developing rice seeds. <i>Crop Journal</i> , 2021 ,	4.6	2
45	Development of marker-free rice with stable and high resistance to rice black-streaked dwarf virus disease through RNA interference. <i>Plant Biotechnology Journal</i> , 2021 , 19, 212-214	11.6	1
44	Cryo-EM structure of the human mitochondrial translocase TIM22 complex. <i>Cell Research</i> , 2021 , 31, 369-377	37.7	16
43	Natural variations of TFIIA gene and LOB1 promoter contribute to citrus canker disease resistance in <i>Atalantia buxifolia</i> . <i>PLoS Genetics</i> , 2021 , 17, e1009316	6	6
42	Update on the Roles of Rice MAPK Cascades. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	5
41	The rice Raf-like MAPKKK OsILA1 confers broad-spectrum resistance to bacterial blight by suppressing the OsMAPKK4-OsMAPK6 cascade. <i>Journal of Integrative Plant Biology</i> , 2021 , 63, 1815-1842	8.3	5
40	Knock out of transcription factor WRKY53 thickens sclerenchyma cell walls, confers bacterial blight resistance. <i>Plant Physiology</i> , 2021 , 187, 1746-1761	6.6	5
39	Engineering false smut resistance rice via host-induced gene silencing of two chitin synthase genes of <i>Ustilagoidea virens</i> . <i>Plant Biotechnology Journal</i> , 2021 , 19, 2386-2388	11.6	2
38	Structural insight into the SAM-mediated assembly of the mitochondrial TOM core complex. <i>Science</i> , 2021 , 373, 1377-1381	33.3	4
37	miR395-regulated sulfate metabolism exploits pathogen sensitivity to sulfate to boost immunity in rice.. <i>Molecular Plant</i> , 2021 ,	14.4	3
36	Selection of a subspecies-specific diterpene gene cluster implicated in rice disease resistance. <i>Nature Plants</i> , 2020 , 6, 1447-1454	11.5	25
35	Multiple Alleles Encoding Atypical NLRs with Unique Central Tandem Repeats in Rice Confer Resistance to pv.. <i>Plant Communications</i> , 2020 , 1, 100088	9	17
34	Different Cell Wall-Degradation Ability Leads to Tissue-Specificity between pv and pv. <i>Pathogens</i> , 2020 , 9,	4.5	6
33	Towards Engineering Broad-Spectrum Disease-Resistant Crops. <i>Trends in Plant Science</i> , 2020 , 25, 424-427	3.1	4

32	uORFlight: a vehicle toward uORF-mediated translational regulation mechanisms in eukaryotes. <i>Database: the Journal of Biological Databases and Curation</i> , 2020 , 2020,	5	9
31	The versatile functions of OsALDH2B1 provide a genic basis for growth-defense trade-offs in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 3867-3873	11.5	21
30	Translational Regulation of Metabolic Dynamics during Effector-Triggered Immunity. <i>Molecular Plant</i> , 2020 , 13, 88-98	14.4	23
29	The key residues of OsTFIIA β /Xa5 protein captured by the arginine-rich TFB domain of TALEs compromising rice susceptibility and bacterial pathogenicity. <i>Journal of Integrative Agriculture</i> , 2019 , 18, 1178-1188	3.2	4
28	In Loving Memory of Professor Shiping Wang. <i>Molecular Plant</i> , 2019 , 12, 1171-1172	14.4	
27	Rice group I GH3 gene family, positive regulators of bacterial pathogens. <i>Plant Signaling and Behavior</i> , 2019 , 14, e1588659	2.5	2
26	The host basal transcription factor IIA subunits coordinate for facilitating infection of TALEs-carrying bacterial pathogens in rice. <i>Plant Science</i> , 2019 , 284, 48-56	5.3	7
25	An update on molecular mechanism of disease resistance genes and their application for genetic improvement of rice. <i>Molecular Breeding</i> , 2019 , 39, 1	3.4	12
24	Autophagy-Like Cell Death Regulates Hydrogen Peroxide and Calcium Ion Distribution in -Mediated Resistance to pv.. <i>International Journal of Molecular Sciences</i> , 2019 , 21,	6.3	7
23	Precise Editing Enables Crop Broad-Spectrum Resistance. <i>Molecular Plant</i> , 2019 , 12, 1542-1544	14.4	4
22	The group I GH3 family genes encoding JA-Ile synthetase act as positive regulator in the resistance of rice to <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> . <i>Biochemical and Biophysical Research Communications</i> , 2019 , 508, 1062-1066	3.4	10
21	TALE-carrying bacterial pathogens trap host nuclear import receptors for facilitation of infection of rice. <i>Molecular Plant Pathology</i> , 2019 , 20, 519-532	5.7	15
20	<i>Xanthomonas</i> TAL effectors hijack host basal transcription factor IIA α and β subunits for invasion. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 496, 608-613	3.4	7
19	Dynamic phytohormone profiling of rice upon rice black-streaked dwarf virus invasion. <i>Journal of Plant Physiology</i> , 2018 , 228, 92-100	3.6	14
18	Dominant and Recessive Major Genes Lead to Different Types of Host Cell Death During Resistance to in Rice. <i>Frontiers in Plant Science</i> , 2018 , 9, 1711	6.2	9
17	Improvement of multiple agronomic traits by a disease resistance gene via cell wall reinforcement. <i>Nature Plants</i> , 2017 , 3, 17009	11.5	108
16	Characterization of a disease susceptibility locus for exploring an efficient way to improve rice resistance against bacterial blight. <i>Science China Life Sciences</i> , 2017 , 60, 298-306	8.5	13
15	uORF-mediated translation allows engineered plant disease resistance without fitness costs. <i>Nature</i> , 2017 , 545, 491-494	50.4	145

14	A Conserved Basal Transcription Factor Is Required for the Function of Diverse TAL Effectors in Multiple Plant Hosts. <i>Frontiers in Plant Science</i> , 2017 , 8, 1919	6.2	16
13	pv. Inoculation and Growth Rate on Rice by Leaf Clipping Method. <i>Bio-protocol</i> , 2017 , 7, e2568	0.9	14
12	A host basal transcription factor is a key component for infection of rice by TALE-carrying bacteria. <i>ELife</i> , 2016 , 5,	8.9	72
11	DgcA, a diguanylate cyclase from <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> regulates bacterial pathogenicity on rice. <i>Scientific Reports</i> , 2016 , 6, 25978	4.9	17
10	Breeding signatures of rice improvement revealed by a genomic variation map from a large germplasm collection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E5411-9	11.5	116
9	Rice MtN3/saliva/SWEET gene family: Evolution, expression profiling, and sugar transport. <i>Journal of Integrative Plant Biology</i> , 2014 , 56, 559-70	8.3	46
8	Overexpression of OsSWEET5 in rice causes growth retardation and precocious senescence. <i>PLoS ONE</i> , 2014 , 9, e94210	3.7	51
7	Rice MtN3/saliva/SWEET family genes and their homologs in cellular organisms. <i>Molecular Plant</i> , 2013 , 6, 665-74	14.4	119
6	A paralog of the MtN3/saliva family recessively confers race-specific resistance to <i>Xanthomonas oryzae</i> in rice. <i>Plant, Cell and Environment</i> , 2011 , 34, 1958-69	8.4	155
5	Molecular and functional analyses of COPT/Ctr-type copper transporter-like gene family in rice. <i>BMC Plant Biology</i> , 2011 , 11, 69	5.3	117
4	The bacterial pathogen <i>Xanthomonas oryzae</i> overcomes rice defenses by regulating host copper redistribution. <i>Plant Cell</i> , 2010 , 22, 3164-76	11.6	166
3	Pathogen-induced expressional loss of function is the key factor in race-specific bacterial resistance conferred by a recessive R gene xa13 in rice. <i>Plant and Cell Physiology</i> , 2009 , 50, 947-55	4.9	73
2	Promoter mutations of an essential gene for pollen development result in disease resistance in rice. <i>Genes and Development</i> , 2006 , 20, 1250-5	12.6	363
1	Dual function of rice OsDR8 gene in disease resistance and thiamine accumulation. <i>Plant Molecular Biology</i> , 2006 , 60, 437-49	4.6	73