

Yonghong 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.

46
papers

5,624
citations

31
h-index

64
g-index

64
ext. papers

7,545
ext. citations

16.8
avg, IF

5.35
L-index

#	Paper	IF	Citations
46	OsHYPK-mediated protein N-terminal acetylation coordinates plant development and abiotic stress responses in rice.. <i>Molecular Plant</i> , 2022 , 15, 740-754	14.4	1
45	Targeting a gene regulatory element enhances rice grain yield by decoupling panicle number and size.. <i>Nature Biotechnology</i> , 2022 ,	44.5	2
44	Molecular basis underlying rice tiller angle: Current progress and future perspectives.. <i>Molecular Plant</i> , 2021 ,	14.4	4
43	A route to de novo domestication of wild allotetraploid rice. <i>Cell</i> , 2021 , 184, 1156-1170.e14	56.2	81
42	LAZY2 controls rice tiller angle through regulating starch biosynthesis in gravity-sensing cells. <i>New Phytologist</i> , 2021 , 231, 1073-1087	9.8	3
41	Enhancing rice grain production by manipulating the naturally evolved cis-regulatory element-containing inverted repeat sequence of OsREM20. <i>Molecular Plant</i> , 2021 , 14, 997-1011	14.4	5
40	Cytokinin oxidase/dehydrogenase OsCKX11 coordinates source and sink relationship in rice by simultaneous regulation of leaf senescence and grain number. <i>Plant Biotechnology Journal</i> , 2021 , 19, 335-350	11.6	30
39	Genomic basis of geographical adaptation to soil nitrogen in rice. <i>Nature</i> , 2021 , 590, 600-605	50.4	59
38	Strigolactone and Karrikin Signaling Pathways Elicit Ubiquitination and Proteolysis of SMXL2 to Regulate Hypocotyl Elongation in Arabidopsis. <i>Plant Cell</i> , 2020 , 32, 2251-2270	11.6	38
37	β-Carotene Isomerase Suppresses Tillering in Rice through the Coordinated Biosynthesis of Strigolactone and Abscisic Acid. <i>Molecular Plant</i> , 2020 , 13, 1784-1801	14.4	21
36	Karrikin Signaling Acts Parallel to and Additively with Strigolactone Signaling to Regulate Rice Mesocotyl Elongation in Darkness. <i>Plant Cell</i> , 2020 , 32, 2780-2805	11.6	22
35	Genomic evidence of human selection on Vavilovian mimicry. <i>Nature Ecology and Evolution</i> , 2019 , 3, 1474-1482	41.5	11
34	Tiller Bud Formation Regulators MOC1 and MOC3 Cooperatively Promote Tiller Bud Outgrowth by Activating FON1 Expression in Rice. <i>Molecular Plant</i> , 2019 , 12, 1090-1102	14.4	36
33	OsBRXL4 Regulates Shoot Gravitropism and Rice Tiller Angle through Affecting LAZY1 Nuclear Localization. <i>Molecular Plant</i> , 2019 , 12, 1143-1156	14.4	29
32	Molecular mechanisms underlying plant architecture and its environmental plasticity in rice. <i>Molecular Breeding</i> , 2019 , 39, 1	3.4	5
31	A Core Regulatory Pathway Controlling Rice Tiller Angle Mediated by the -Dependent Asymmetric Distribution of Auxin. <i>Plant Cell</i> , 2018 , 30, 1461-1475	11.6	55
30	Dynamic expression reveals a two-step patterning of WUS and CLV3 during axillary shoot meristem formation in Arabidopsis. <i>Journal of Plant Physiology</i> , 2017 , 214, 1-6	3.6	23

29	A D53 repression motif induces oligomerization of TOPLESS corepressors and promotes assembly of a corepressor-nucleosome complex. <i>Science Advances</i> , 2017 , 3, e1601217	14.3	40
28	Tissue-Specific Ubiquitination by IPA1 INTERACTING PROTEIN1 Modulates IPA1 Protein Levels to Regulate Plant Architecture in Rice. <i>Plant Cell</i> , 2017 , 29, 697-707	11.6	58
27	Rational design of high-yield and superior-quality rice. <i>Nature Plants</i> , 2017 , 3, 17031	11.5	155
26	IPA1 functions as a downstream transcription factor repressed by D53 in strigolactone signaling in rice. <i>Cell Research</i> , 2017 , 27, 1128-1141	24.7	115
25	Mitogen-Activated Protein Kinase Cascade MKK7-MPK6 Plays Important Roles in Plant Development and Regulates Shoot Branching by Phosphorylating PIN1 in Arabidopsis. <i>PLoS Biology</i> , 2016 , 14, e1002550	9.7	65
24	Copy number variation at the GL7 locus contributes to grain size diversity in rice. <i>Nature Genetics</i> , 2015 , 47, 944-8	36.3	317
23	Tryptophan-independent auxin biosynthesis contributes to early embryogenesis in Arabidopsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 4821-6	11.5	120
22	Deficient plastidic fatty acid synthesis triggers cell death by modulating mitochondrial reactive oxygen species. <i>Cell Research</i> , 2015 , 25, 621-33	24.7	57
21	Destabilization of strigolactone receptor DWARF14 by binding of ligand and E3-ligase signaling effector DWARF3. <i>Cell Research</i> , 2015 , 25, 1219-36	24.7	110
20	Strigolactone Signaling in Arabidopsis Regulates Shoot Development by Targeting D53-Like SMXL Repressor Proteins for Ubiquitination and Degradation. <i>Plant Cell</i> , 2015 , 27, 3128-42	11.6	216
19	MONOCULM 3, an ortholog of WUSCHEL in rice, is required for tiller bud formation. <i>Journal of Genetics and Genomics</i> , 2015 , 42, 71-8	4	73
18	Natural variation of rice strigolactone biosynthesis is associated with the deletion of two MAX1 orthologs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 2379-84	11.5	96
17	Action of strigolactones in plants. <i>The Enzymes</i> , 2014 , 35, 57-84	2.3	9
16	Strigolactones regulate rice tiller angle by attenuating shoot gravitropism through inhibiting auxin biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 11199-204	11.5	88
15	Genome-wide binding analysis of the transcription activator ideal plant architecture1 reveals a complex network regulating rice plant architecture. <i>Plant Cell</i> , 2013 , 25, 3743-59	11.6	417
14	DWARF 53 acts as a repressor of strigolactone signalling in rice. <i>Nature</i> , 2013 , 504, 401-5	50.4	475
13	Crystal structures of two phytohormone signal-transducing α -hydrolases: karrikin-signaling KAI2 and strigolactone-signaling DWARF14. <i>Cell Research</i> , 2013 , 23, 436-9	24.7	185
12	Degradation of MONOCULM 1 by APC/C(TAD1) regulates rice tillering. <i>Nature Communications</i> , 2012 , 3, 750	17.4	110

11	Branching in rice. <i>Current Opinion in Plant Biology</i> , 2011 , 14, 94-9	9.9	147
10	Regulation of OsSPL14 by OsmiR156 defines ideal plant architecture in rice. <i>Nature Genetics</i> , 2010 , 42, 541-4	36.3	851
9	Development of gene-tagged molecular markers for starch synthesis-related genes in rice. <i>Science Bulletin</i> , 2010 , 55, 3768-3777		17
8	Advances in the regulation and crosstalks of phytohormones. <i>Science Bulletin</i> , 2009 , 54, 4069-4082		6
7	DWARF27, an iron-containing protein required for the biosynthesis of strigolactones, regulates rice tiller bud outgrowth. <i>Plant Cell</i> , 2009 , 21, 1512-25	11.6	431
6	Molecular basis of plant architecture. <i>Annual Review of Plant Biology</i> , 2008 , 59, 253-79	30.7	339
5	LAZY1 controls rice shoot gravitropism through regulating polar auxin transport. <i>Cell Research</i> , 2007 , 17, 402-10	24.7	202
4	TAC1, a major quantitative trait locus controlling tiller angle in rice. <i>Plant Journal</i> , 2007 , 52, 891-8	6.9	208
3	Genes controlling plant architecture. <i>Current Opinion in Biotechnology</i> , 2006 , 17, 123-9	11.4	88
2	Towards molecular breeding and improvement of rice in China. <i>Trends in Plant Science</i> , 2005 , 10, 610-4	13.1	90
1	The plant architecture of rice (<i>Oryza sativa</i>). <i>Plant Molecular Biology</i> , 2005 , 59, 75-84	4.6	114