

Yonghong Wang

List of Publications by Year in descending order

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47
papers

8,851
citations

101543

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214800

47
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64
all docs

64
docs citations

64
times ranked

7228
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular basis underlying rice tiller angle: Current progress and future perspectives. <i>Molecular Plant</i> , 2022, 15, 125-137.	8.3	29
2	<scp>KNOX II</scp> transcription factor <scp>HOS59</scp> functions in regulating rice grain size. <i>Plant Journal</i> , 2022, 110, 863-880.	5.7	11
3	OsHYPK-mediated protein N-terminal acetylation coordinates plant development and abiotic stress responses in rice. <i>Molecular Plant</i> , 2022, 15, 740-754.	8.3	9
4	Targeting a gene regulatory element enhances rice grain yield by decoupling panicle number and size. <i>Nature Biotechnology</i> , 2022, 40, 1403-1411.	17.5	110
5	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.	8.3	80
6	A route to de novo domestication of wild allotetraploid rice. <i>Cell</i> , 2021, 184, 1156-1170.e14.	28.9	259
7	<i>LAZY2</i> controls rice tiller angle through regulating starch biosynthesis in gravity-sensing cells. <i>New Phytologist</i> , 2021, 231, 1073-1087.	7.3	27
8	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.	8.3	19
9	Genomic basis of geographical adaptation to soil nitrogen in rice. <i>Nature</i> , 2021, 590, 600-605.	27.8	204
10	Î²-Carotene Isomerase Suppresses Tillering in Rice through the Coordinated Biosynthesis of Strigolactone and Absciscic Acid. <i>Molecular Plant</i> , 2020, 13, 1784-1801.	8.3	70
11	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.	6.6	65
12	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.	6.6	103
13	OsBRXL4 Regulates Shoot Gravitropism and Rice Tiller Angle through Affecting LAZY1 Nuclear Localization. <i>Molecular Plant</i> , 2019, 12, 1143-1156.	8.3	71
14	Genomic evidence of human selection on Vavilovian mimicry. <i>Nature Ecology and Evolution</i> , 2019, 3, 1474-1482.	7.8	38
15	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.	8.3	93
16	Molecular mechanisms underlying plant architecture and its environmental plasticity in rice. <i>Molecular Breeding</i> , 2019, 39, 1.	2.1	15
17	A Core Regulatory Pathway Controlling Rice Tiller Angle Mediated by the <i>LAZY1</i>-Dependent Asymmetric Distribution of Auxin. <i>Plant Cell</i> , 2018, 30, 1461-1475.	6.6	114
18	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.	3.5	36

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19	A D53 repression motif induces oligomerization of TOPLESS corepressors and promotes assembly of a corepressor-nucleosome complex. <i>Science Advances</i> , 2017, 3, e1601217.	10.3	64
20	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.	6.6	102
21	Rational design of high-yield and superior-quality rice. <i>Nature Plants</i> , 2017, 3, 17031.	9.3	293
22	IPA1 functions as a downstream transcription factor repressed by D53 in strigolactone signaling in rice. <i>Cell Research</i> , 2017, 27, 1128-1141.	12.0	229
23	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.	5.6	114
24	Strigolactone Signaling in Arabidopsis Regulates Shoot Development by Targeting D53-Like SMXL Repressor Proteins for Ubiquitination and Degradation. <i>Plant Cell</i> , 2015, 27, 3128-3142.	6.6	310
25	MONOCULM 3, an Ortholog of WUSCHEL in Rice, Is Required for Tiller Bud Formation. <i>Journal of Genetics and Genomics</i> , 2015, 42, 71-78.	3.9	121
26	Copy number variation at the GL7 locus contributes to grain size diversity in rice. <i>Nature Genetics</i> , 2015, 47, 944-948.	21.4	485
27	Tryptophan-independent auxin biosynthesis contributes to early embryogenesis in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4821-4826.	7.1	169
28	Deficient plastidic fatty acid synthesis triggers cell death by modulating mitochondrial reactive oxygen species. <i>Cell Research</i> , 2015, 25, 621-633.	12.0	80
29	Destabilization of strigolactone receptor DWARF14 by binding of ligand and E3-ligase signaling effector DWARF3. <i>Cell Research</i> , 2015, 25, 1219-1236.	12.0	152
30	Natural variation of rice strigolactone biosynthesis is associated with the deletion of two <i>MAX1</i> orthologs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2379-2384.	7.1	138
31	Action of Strigolactones in Plants. <i>The Enzymes</i> , 2014, 35, 57-84.	1.7	10
32	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, 11199-11204.	7.1	121
33	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, 3743-3759.	6.6	588
34	DWARF 53 acts as a repressor of strigolactone signalling in rice. <i>Nature</i> , 2013, 504, 401-405.	27.8	660
35	Crystal structures of two phytohormone signal-transducing $\hat{1}\pm/\hat{1}^2$ hydrolases: karrikin-signaling KAI2 and strigolactone-signaling DWARF14. <i>Cell Research</i> , 2013, 23, 436-439.	12.0	222
36	Degradation of MONOCULM 1 by APC/CTAD1 regulates rice tillering. <i>Nature Communications</i> , 2012, 3, 750.	12.8	168

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37	Branching in rice. Current Opinion in Plant Biology, 2011, 14, 94-99.	7.1	200
38	Development of gene-tagged molecular markers for starch synthesis-related genes in rice. Science Bulletin, 2010, 55, 3768-3777.	1.7	20
39	Regulation of OsSPL14 by OsmiR156 defines ideal plant architecture in rice. Nature Genetics, 2010, 42, 541-544.	21.4	1,240
40	Advances in the regulation and crosstalks of phytohormones. Science Bulletin, 2009, 54, 4069-4082.	1.7	10
41	DWARF27, an Iron-Containing Protein Required for the Biosynthesis of Strigolactones, Regulates Rice Tiller Bud Outgrowth. Plant Cell, 2009, 21, 1512-1525.	6.6	549
42	Molecular Basis of Plant Architecture. Annual Review of Plant Biology, 2008, 59, 253-279.	18.7	512
43	LAZY1 controls rice shoot gravitropism through regulating polar auxin transport. Cell Research, 2007, 17, 402-410.	12.0	288
44	TAC1, a major quantitative trait locus controlling tiller angle in rice. Plant Journal, 2007, 52, 891-898.	5.7	281
45	Genes controlling plant architecture. Current Opinion in Biotechnology, 2006, 17, 123-129.	6.6	124
46	The Plant Architecture of Rice (Oryza sativa). Plant Molecular Biology, 2005, 59, 75-84.	3.9	139
47	Towards molecular breeding and improvement of rice in China. Trends in Plant Science, 2005, 10, 610-614.	8.8	108