

# Jiayang Li

## List of Publications by Citations

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151  
papers

15,891  
citations

62  
h-index

125  
g-index

163  
ext. papers

21,154  
ext. citations

15.6  
avg, IF

6.51  
L-index

#	Paper	IF	Citations
151	A map of rice genome variation reveals the origin of cultivated rice. <i>Nature</i> , <b>2012</b> , 490, 497-501	50.4	994
150	Regulation of OsSPL14 by OsmiR156 defines ideal plant architecture in rice. <i>Nature Genetics</i> , <b>2010</b> , 42, 541-4	36.3	851
149	Control of tillering in rice. <i>Nature</i> , <b>2003</b> , 422, 618-21	50.4	756
148	Natural variation at the DEP1 locus enhances grain yield in rice. <i>Nature Genetics</i> , <b>2009</b> , 41, 494-7	36.3	645
147	Genomic variation in 3,010 diverse accessions of Asian cultivated rice. <i>Nature</i> , <b>2018</b> , 557, 43-49	50.4	582
146	DWARF 53 acts as a repressor of strigolactone signalling in rice. <i>Nature</i> , <b>2013</b> , 504, 401-5	50.4	475
145	DWARF27, an iron-containing protein required for the biosynthesis of strigolactones, regulates rice tiller bud outgrowth. <i>Plant Cell</i> , <b>2009</b> , 21, 1512-25	11.6	431
144	Genome-wide binding analysis of the transcription activator ideal plant architecture1 reveals a complex network regulating rice plant architecture. <i>Plant Cell</i> , <b>2013</b> , 25, 3743-59	11.6	417
143	Identification of trait-improving quantitative trait loci alleles from a wild rice relative, <i>Oryza rufipogon</i> . <i>Genetics</i> , <b>1998</b> , 150, 899-909	4	392
142	Allelic diversities in rice starch biosynthesis lead to a diverse array of rice eating and cooking qualities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 21760-5	11.5	354
141	Molecular basis of plant architecture. <i>Annual Review of Plant Biology</i> , <b>2008</b> , 59, 253-79	30.7	339
140	Variation in NRT1.1B contributes to nitrate-use divergence between rice subspecies. <i>Nature Genetics</i> , <b>2015</b> , 47, 834-8	36.3	334
139	Copy number variation at the GL7 locus contributes to grain size diversity in rice. <i>Nature Genetics</i> , <b>2015</b> , 47, 944-8	36.3	317
138	A phenylalanine in DGAT is a key determinant of oil content and composition in maize. <i>Nature Genetics</i> , <b>2008</b> , 40, 367-72	36.3	317
137	Rare allele of OsPPKL1 associated with grain length causes extra-large grain and a significant yield increase in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 21534-9	11.5	298
136	Genes from wild rice improve yield. <i>Nature</i> , <b>1996</b> , 384, 223-224	50.4	289
135	BRITTLE CULM1, which encodes a COBRA-like protein, affects the mechanical properties of rice plants. <i>Plant Cell</i> , <b>2003</b> , 15, 2020-31	11.6	273

134	DWARF14 is a non-canonical hormone receptor for strigolactone. <i>Nature</i> , <b>2016</b> , 536, 469-73	50.4	266
133	Molecular genetic dissection of quantitative trait loci regulating rice grain size. <i>Annual Review of Genetics</i> , <b>2014</b> , 48, 99-118	14.5	239
132	Gene replacements and insertions in rice by intron targeting using CRISPR-Cas9. <i>Nature Plants</i> , <b>2016</b> , 2, 16139	11.5	221
131	Strigolactone Signaling in Arabidopsis Regulates Shoot Development by Targeting D53-Like SMXL Repressor Proteins for Ubiquitination and Degradation. <i>Plant Cell</i> , <b>2015</b> , 27, 3128-42	11.6	216
130	TAC1, a major quantitative trait locus controlling tiller angle in rice. <i>Plant Journal</i> , <b>2007</b> , 52, 891-8	6.9	208
129	Genetic Regulation of Shoot Architecture. <i>Annual Review of Plant Biology</i> , <b>2018</b> , 69, 437-468	30.7	205
128	LAZY1 controls rice shoot gravitropism through regulating polar auxin transport. <i>Cell Research</i> , <b>2007</b> , 17, 402-10	24.7	202
127	Genome-wide association studies dissect the genetic networks underlying agronomical traits in soybean. <i>Genome Biology</i> , <b>2017</b> , 18, 161	18.3	190
126	Deficiency in fatty acid synthase leads to premature cell death and dramatic alterations in plant morphology. <i>Plant Cell</i> , <b>2000</b> , 12, 405-18	11.6	186
125	Crystal structures of two phytohormone signal-transducing $\Pi$ hydrolases: karrikin-signaling KAI2 and strigolactone-signaling DWARF14. <i>Cell Research</i> , <b>2013</b> , 23, 436-9	24.7	185
124	QTL detection for rice grain quality traits using an interspecific backcross population derived from cultivated Asian ( <i>O. sativa</i> L.) and African ( <i>O. glaberrima</i> S.) rice. <i>Genome</i> , <b>2004</b> , 47, 697-704	2.4	179
123	Genomic analysis of hybrid rice varieties reveals numerous superior alleles that contribute to heterosis. <i>Nature Communications</i> , <b>2015</b> , 6, 6258	17.4	178
122	Rational design of high-yield and superior-quality rice. <i>Nature Plants</i> , <b>2017</b> , 3, 17031	11.5	155
121	Fine mapping of a grain-weight quantitative trait locus in the pericentromeric region of rice chromosome 3. <i>Genetics</i> , <b>2004</b> , 168, 2187-95	4	152
120	A proposed regulatory framework for genome-edited crops. <i>Nature Genetics</i> , <b>2016</b> , 48, 109-11	36.3	148
119	Branching in rice. <i>Current Opinion in Plant Biology</i> , <b>2011</b> , 14, 94-9	9.9	147
118	Expression of the Nitrate Transporter Gene Confers High Yield and Early Maturation in Rice. <i>Plant Cell</i> , <b>2018</b> , 30, 638-651	11.6	145
117	Activation of Big Grain1 significantly improves grain size by regulating auxin transport in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 11102-7	11.5	140

116	A single transcription factor promotes both yield and immunity in rice. <i>Science</i> , <b>2018</b> , 361, 1026-1028	33.3	138
115	Through the genetic bottleneck: <i>O. rufipogon</i> as a source of trait-enhancing alleles for <i>O. sativa</i> . <i>Euphytica</i> , <b>2007</b> , 154, 317-339	2.1	135
114	Targeted, random mutagenesis of plant genes with dual cytosine and adenine base editors. <i>Nature Biotechnology</i> , <b>2020</b> , 38, 875-882	44.5	133
113	Construction of a Genome-Wide Mutant Library in Rice Using CRISPR/Cas9. <i>Molecular Plant</i> , <b>2017</b> , 10, 1238-1241	14.4	127
112	Increased expression of MAP KINASE KINASE7 causes deficiency in polar auxin transport and leads to plant architectural abnormality in Arabidopsis. <i>Plant Cell</i> , <b>2006</b> , 18, 308-20	11.6	122
111	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> , <b>2015</b> , 112, 4821-6	11.5	120
110	Generation of herbicide tolerance traits and a new selectable marker in wheat using base editing. <i>Nature Plants</i> , <b>2019</b> , 5, 480-485	11.5	116
109	IPA1 functions as a downstream transcription factor repressed by D53 in strigolactone signaling in rice. <i>Cell Research</i> , <b>2017</b> , 27, 1128-1141	24.7	115
108	The plant architecture of rice ( <i>Oryza sativa</i> ). <i>Plant Molecular Biology</i> , <b>2005</b> , 59, 75-84	4.6	114
107	Destabilization of strigolactone receptor DWARF14 by binding of ligand and E3-ligase signaling effector DWARF3. <i>Cell Research</i> , <b>2015</b> , 25, 1219-36	24.7	110
106	Degradation of MONOCULM 1 by APC/C(TAD1) regulates rice tillering. <i>Nature Communications</i> , <b>2012</b> , 3, 750	17.4	110
105	Breeding high-yield superior quality hybrid super rice by rational design. <i>National Science Review</i> , <b>2016</b> , 3, 283-294	10.8	108
104	Silencing of phosphoethanolamine N-methyltransferase results in temperature-sensitive male sterility and salt hypersensitivity in Arabidopsis. <i>Plant Cell</i> , <b>2002</b> , 14, 2031-43	11.6	101
103	Critical roles of soluble starch synthase SSIIIa and granule-bound starch synthase Waxy in synthesizing resistant starch in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 12844-12849	11.5	100
102	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> , <b>2014</b> , 111, 2379-84	11.5	96
101	Towards molecular breeding and improvement of rice in China. <i>Trends in Plant Science</i> , <b>2005</b> , 10, 610-4	13.1	90
100	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> , <b>2014</b> , 111, 11199-204	11.5	88
99	Structural basis for recognition of diverse transcriptional repressors by the TOPLESS family of corepressors. <i>Science Advances</i> , <b>2015</b> , 1, e1500107	14.3	86

98	A natural tandem array alleviates epigenetic repression of IPA1 and leads to superior yielding rice. <i>Nature Communications</i> , <b>2017</b> , 8, 14789	17.4	85
97	Signalling and responses to strigolactones and karrikins. <i>Current Opinion in Plant Biology</i> , <b>2014</b> , 21, 23-29,9		85
96	A route to de novo domestication of wild allotetraploid rice. <i>Cell</i> , <b>2021</b> , 184, 1156-1170.e14	56.2	81
95	MONOCULM 3, an ortholog of WUSCHEL in rice, is required for tiller bud formation. <i>Journal of Genetics and Genomics</i> , <b>2015</b> , 42, 71-8	4	73
94	Malate transported from chloroplast to mitochondrion triggers production of ROS and PCD in <i>Arabidopsis thaliana</i> . <i>Cell Research</i> , <b>2018</b> , 28, 448-461	24.7	71
93	Transcriptional regulation of strigolactone signalling in <i>Arabidopsis</i> . <i>Nature</i> , <b>2020</b> , 583, 277-281	50.4	68
92	Peptidyl-prolyl isomerization targets rice Aux/IAAs for proteasomal degradation during auxin signalling. <i>Nature Communications</i> , <b>2015</b> , 6, 7395	17.4	65
91	Mitogen-Activated Protein Kinase Cascade MKK7-MPK6 Plays Important Roles in Plant Development and Regulates Shoot Branching by Phosphorylating PIN1 in <i>Arabidopsis</i> . <i>PLoS Biology</i> , <b>2016</b> , 14, e1002550	9.7	65
90	xCas9 expands the scope of genome editing with reduced efficiency in rice. <i>Plant Biotechnology Journal</i> , <b>2019</b> , 17, 709-711	11.6	65
89	High-efficiency prime editing with optimized, paired pegRNAs in plants. <i>Nature Biotechnology</i> , <b>2021</b> , 39, 923-927	44.5	61
88	Genomic basis of geographical adaptation to soil nitrogen in rice. <i>Nature</i> , <b>2021</b> , 590, 600-605	50.4	59
87	Tissue-Specific Ubiquitination by IPA1 INTERACTING PROTEIN1 Modulates IPA1 Protein Levels to Regulate Plant Architecture in Rice. <i>Plant Cell</i> , <b>2017</b> , 29, 697-707	11.6	58
86	Deficient plastidic fatty acid synthesis triggers cell death by modulating mitochondrial reactive oxygen species. <i>Cell Research</i> , <b>2015</b> , 25, 621-33	24.7	57
85	Increasing the efficiency of CRISPR-Cas9-VQR precise genome editing in rice. <i>Plant Biotechnology Journal</i> , <b>2018</b> , 16, 292-297	11.6	56
84	A Core Regulatory Pathway Controlling Rice Tiller Angle Mediated by the -Dependent Asymmetric Distribution of Auxin. <i>Plant Cell</i> , <b>2018</b> , 30, 1461-1475	11.6	55
83	Molecular dissection of complex agronomic traits of rice: a team effort by Chinese scientists in recent years. <i>National Science Review</i> , <b>2014</b> , 1, 253-276	10.8	49
82	Rice Ferredoxin-Dependent Glutamate Synthase Regulates Nitrogen-Carbon Metabolomes and Is Genetically Differentiated between japonica and indica Subspecies. <i>Molecular Plant</i> , <b>2016</b> , 9, 1520-1534	14.4	48
81	Genome analysis of <i>Taraxacum kok-saghyz</i> Rodin provides new insights into rubber biosynthesis. <i>National Science Review</i> , <b>2018</b> , 5, 78-87	10.8	47

80	Strigolactone promotes cytokinin degradation through transcriptional activation of in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 14319-14324	11.5	46
79	Genetic variations in ARE1 mediate grain yield by modulating nitrogen utilization in rice. <i>Nature Communications</i> , <b>2018</b> , 9, 735	17.4	45
78	SLR1 inhibits MOC1 degradation to coordinate tiller number and plant height in rice. <i>Nature Communications</i> , <b>2019</b> , 10, 2738	17.4	44
77	A D53 repression motif induces oligomerization of TOPLESS corepressors and promotes assembly of a corepressor-nucleosome complex. <i>Science Advances</i> , <b>2017</b> , 3, e1601217	14.3	40
76	Strigolactone and Karrikin Signaling Pathways Elicit Ubiquitination and Proteolysis of SMXL2 to Regulate Hypocotyl Elongation in Arabidopsis. <i>Plant Cell</i> , <b>2020</b> , 32, 2251-2270	11.6	38
75	Malate Circulation: Linking Chloroplast Metabolism to Mitochondrial ROS. <i>Trends in Plant Science</i> , <b>2020</b> , 25, 446-454	13.1	38
74	Tiller Bud Formation Regulators MOC1 and MOC3 Cooperatively Promote Tiller Bud Outgrowth by Activating FON1 Expression in Rice. <i>Molecular Plant</i> , <b>2019</b> , 12, 1090-1102	14.4	36
73	Robust genome editing of CRISPR-Cas9 at NAG PAMs in rice. <i>Science China Life Sciences</i> , <b>2018</b> , 61, 122-125	13.5	36
72	A Strigolactone Biosynthesis Gene Contributed to the Green Revolution in Rice. <i>Molecular Plant</i> , <b>2020</b> , 13, 923-932	14.4	35
71	Molecular marker-assisted selection for yield-enhancing genes in the progeny of 9311D. rufipogon using SSR. <i>Euphytica</i> , <b>2004</b> , 139, 159-165	2.1	33
70	Designing future crops: challenges and strategies for sustainable agriculture. <i>Plant Journal</i> , <b>2021</b> , 105, 1165-1178	6.9	31
69	An Arabidopsis Secondary Metabolite Directly Targets Expression of the Bacterial Type III Secretion System to Inhibit Bacterial Virulence. <i>Cell Host and Microbe</i> , <b>2020</b> , 27, 601-613.e7	23.4	29
68	OsBRXL4 Regulates Shoot Gravitropism and Rice Tiller Angle through Affecting LAZY1 Nuclear Localization. <i>Molecular Plant</i> , <b>2019</b> , 12, 1143-1156	14.4	29
67	Towards a deeper haplotype mining of complex traits in rice with RFGB v2.0. <i>Plant Biotechnology Journal</i> , <b>2020</b> , 18, 14-16	11.6	29
66	The Rice Circadian Clock Regulates Tiller Growth and Panicle Development Through Strigolactone Signaling and Sugar Sensing. <i>Plant Cell</i> , <b>2020</b> , 32, 3124-3138	11.6	28
65	Rice functional genomics and breeding database (RFGB)-3K-rice SNP and InDel sub-database. <i>Chinese Science Bulletin</i> , <b>2015</b> , 60, 367-371	2.9	27
64	Glabrous Rice 1, encoding a homeodomain protein, regulates trichome development in rice. <i>Rice</i> , <b>2012</b> , 5, 32	5.8	27
63	Rice DWARF14 acts as an unconventional hormone receptor for strigolactone. <i>Journal of Experimental Botany</i> , <b>2018</b> , 69, 2355-2365	7	26

62	Identification of chromosome regions conferring dry matter accumulation and photosynthesis in wheat ( <i>Triticum aestivum</i> L.). <i>Euphytica</i> , <b>2010</b> , 171, 145-156	2.1	26
61	Growing Slowly 1 locus encodes a PLS-type PPR protein required for RNA editing and plant development in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , <b>2016</b> , 67, 5687-5698	7	26
60	The <i>Arabidopsis</i> CROWDED NUCLEI genes regulate seed germination by modulating degradation of ABI5 protein. <i>Journal of Integrative Plant Biology</i> , <b>2016</b> , 58, 669-78	8.3	25
59	Retrospective and perspective of rice breeding in China. <i>Journal of Genetics and Genomics</i> , <b>2018</b> , 45, 603-612	4	25
58	DWARF14, A Receptor Covalently Linked with the Active Form of Strigolactones, Undergoes Strigolactone-Dependent Degradation in Rice. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 1935	6.2	24
57	Validation of DGAT1-2 polymorphisms associated with oil content and development of functional markers for molecular breeding of high-oil maize. <i>Molecular Breeding</i> , <b>2012</b> , 29, 939-949	3.4	24
56	Dynamic expression reveals a two-step patterning of WUS and CLV3 during axillary shoot meristem formation in <i>Arabidopsis</i> . <i>Journal of Plant Physiology</i> , <b>2017</b> , 214, 1-6	3.6	23
55	Identification of microRNAs in rice root in response to nitrate and ammonium. <i>Journal of Genetics and Genomics</i> , <b>2016</b> , 43, 651-661	4	23
54	Transnitrosylation Mediated by the Non-canonical Catalase ROG1 Regulates Nitric Oxide Signaling in Plants. <i>Developmental Cell</i> , <b>2020</b> , 53, 444-457.e5	10.2	22
53	Karrikin Signaling Acts Parallel to and Additively with Strigolactone Signaling to Regulate Rice Mesocotyl Elongation in Darkness. <i>Plant Cell</i> , <b>2020</b> , 32, 2780-2805	11.6	22
52	β-Carotene Isomerase Suppresses Tillering in Rice through the Coordinated Biosynthesis of Strigolactone and Abscisic Acid. <i>Molecular Plant</i> , <b>2020</b> , 13, 1784-1801	14.4	21
51	Recent advances in molecular basis for strigolactone action. <i>Science China Life Sciences</i> , <b>2018</b> , 61, 277-288.5	8.5	21
50	Regulation of Rice Tillering by RNA-Directed DNA Methylation at Miniature Inverted-Repeat Transposable Elements. <i>Molecular Plant</i> , <b>2020</b> , 13, 851-863	14.4	19
49	A transgenic wheat with a stilbene synthase gene resistant to powdery mildew obtained by biolistic method. <i>Science Bulletin</i> , <b>2000</b> , 45, 634-638		19
48	Generating broad-spectrum tolerance to ALS-inhibiting herbicides in rice by base editing. <i>Science China Life Sciences</i> , <b>2021</b> , 64, 1624-1633	8.5	18
47	Regulation of mitochondrial NAD pool via NAD transporter 2 is essential for matrix NADH homeostasis and ROS production in <i>Arabidopsis</i> . <i>Science China Life Sciences</i> , <b>2019</b> , 62, 991-1002	8.5	17
46	Development of gene-tagged molecular markers for starch synthesis-related genes in rice. <i>Science Bulletin</i> , <b>2010</b> , 55, 3768-3777		17
45	Detection of major loci associated with the variation of 18 important agronomic traits between <i>Solanum pimpinellifolium</i> and cultivated tomatoes. <i>Plant Journal</i> , <b>2018</b> , 95, 312-323	6.9	16



44	Deletion of the initial 45 residues of ARR18 induces cytokinin response in Arabidopsis. <i>Journal of Genetics and Genomics</i> , <b>2012</b> , 39, 37-46	4	16
43	FIS1 encodes a GA2-oxidase that regulates fruit firmness in tomato. <i>Nature Communications</i> , <b>2020</b> , 11, 5844	17.4	16
42	DROOPY LEAF1 controls leaf architecture by orchestrating early brassinosteroid signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 21766-21774	11.5	16
41	Identification of Regulatory DNA Elements Using Genome-wide Mapping of DNase I Hypersensitive Sites during Tomato Fruit Development. <i>Molecular Plant</i> , <b>2016</b> , 9, 1168-1182	14.4	16
40	Hybrid Rice: Genetics, Breeding, and Seed Production <b>2010</b> , 15-158		13
39	The dual effects of ethylene on the negative gravicurvature of arabidopsis inflorescence, an intriguing action model for the plant hormone ethylene. <i>Science Bulletin</i> , <b>2001</b> , 46, 279-283		13
38	Differential expression of triplicate phosphoribosylanthranilate isomerase isogenes in the tryptophan biosynthetic pathway of Arabidopsis thaliana (L.) Heynh. <i>Planta</i> , <b>2001</b> , 212, 641-7	4.7	13
37	Microsatellite markers in rice: abundance, diversity, and applications <b>2008</b> , 117-135		12
36	Identification of brassinosteroid responsive genes in Arabidopsis by cDNA array. <i>Science in China Series C: Life Sciences</i> , <b>2001</b> , 44, 637-43		12
35	Involvement of a Putative Bipartite Transit Peptide in Targeting Rice Pheophorbide a Oxygenase into Chloroplasts for Chlorophyll Degradation during Leaf Senescence. <i>Journal of Genetics and Genomics</i> , <b>2016</b> , 43, 145-54	4	10
34	Rice functional genomics: decades' efforts and roads ahead. <i>Science China Life Sciences</i> , <b>2021</b> , 65, 33	8.5	10
33	Action of strigolactones in plants. <i>The Enzymes</i> , <b>2014</b> , 35, 57-84	2.3	9
32	Combination of Eight Alleles at Four Quantitative Trait Loci Determines Grain Length in Rice. <i>PLoS ONE</i> , <b>2016</b> , 11, e0150832	3.7	9
31	ScCas9 recognizes NNG protospacer adjacent motif in genome editing of rice. <i>Science China Life Sciences</i> , <b>2020</b> , 63, 450-452	8.5	7
30	Grain Quality <b>2013</b> , 237-254		7
29	Advances in the regulation and crosstalks of phytohormones. <i>Science Bulletin</i> , <b>2009</b> , 54, 4069-4082		6
28	Synergistic interplay of ABA and BR signal in regulating plant growth and adaptation. <i>Nature Plants</i> , <b>2021</b> , 7, 1108-1118	11.5	6
27	Rapid and specific isolation of intact mitochondria from Arabidopsis leaves. <i>Journal of Genetics and Genomics</i> , <b>2020</b> , 47, 65-68	4	5



26	Enhancing rice grain production by manipulating the naturally evolved cis-regulatory element-containing inverted repeat sequence of OsREM20. <i>Molecular Plant</i> , <b>2021</b> , 14, 997-1011	14.4	5
25	Molecular mechanisms underlying plant architecture and its environmental plasticity in rice. <i>Molecular Breeding</i> , <b>2019</b> , 39, 1	3.4	5
24	Expanding the scope of genome editing with SpG and SpRY variants in rice. <i>Science China Life Sciences</i> , <b>2021</b> , 64, 1784-1787	8.5	5
23	Strigolactones <b>2017</b> , 327-359		4
22	Monitoring gene expression by cDNA array. <i>Science Bulletin</i> , <b>1999</b> , 44, 441-444		4
21	Molecular basis underlying rice tiller angle: Current progress and future perspectives.. <i>Molecular Plant</i> , <b>2021</b> ,	14.4	4
20	Rice Protein Tagging Project: A Call for International Collaborations on Genome-wide In-Locus Tagging of Rice Proteins. <i>Molecular Plant</i> , <b>2020</b> , 13, 1663-1665	14.4	4
19	Profiling of RNA ribose methylation in Arabidopsis thaliana. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, 4104-4119	20.1	4
18	Short- and long-term challenges in crop breeding. <i>National Science Review</i> , <b>2021</b> , 8, nwab002	10.8	4
17	Rice Plant Architecture: Molecular Basis and Application in Breeding <b>2018</b> , 129-154		3
16	Fine-mapping of an Arabidopsis cell death mutation locus. <i>Science in China Series C: Life Sciences</i> , <b>2000</b> , 43, 138-45		3
15	Extensive sequence divergence between the reference genomes of Taraxacum kok-saghyz and Taraxacum mongolicum.. <i>Science China Life Sciences</i> , <b>2021</b> , 65, 515	8.5	3
14	LAZY2 controls rice tiller angle through regulating starch biosynthesis in gravity-sensing cells. <i>New Phytologist</i> , <b>2021</b> , 231, 1073-1087	9.8	3
13	FED: a web tool for foreign element detection of genome-edited organism. <i>Science China Life Sciences</i> , <b>2021</b> , 64, 167-170	8.5	3
12	Nitric oxide negatively regulates gibberellin signaling to coordinate growth and salt tolerance in Arabidopsis.. <i>Journal of Genetics and Genomics</i> , <b>2022</b> ,	4	3
11	Combination of twelve alleles at six quantitative trait loci determines grain weight in rice. <i>PLoS ONE</i> , <b>2017</b> , 12, e0181588	3.7	2
10	Targeting a gene regulatory element enhances rice grain yield by decoupling panicle number and size.. <i>Nature Biotechnology</i> , <b>2022</b> ,	44.5	2
9	Evolution of Strigolactone Perception by Seeds of Parasitic Plants: Reinventing the Wheel. <i>Molecular Plant</i> , <b>2016</b> , 9, 493-5	14.4	1

- 8 Mapping and characterization of a tiller-spreading mutant lazy-2 in rice. *Science Bulletin*, **2003**, 48, 2715-2717 1
- 7 Breeding future crops to feed the world through de novo domestication.. *Nature Communications*, **2022**, 13, 1171 17.4 0
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