Cheng-Cai Chu

List of Publications by Year
in descending order

192 papers	20,654 citations	8181 76 h-index	11607 135 g-index
207 all docs	207 docs citations	207 times ranked	16885 citing authors

#	Article	IF	Citations
1	Natural variation at the DEP1 locus enhances grain yield in rice. Nature Genetics, 2009, 41, 494-497.	21.4	858
2	NRT1.1B is associated with root microbiota composition and nitrogen use in field-grown rice. Nature Biotechnology, 2019, 37, 676-684.	17.5	641
3	Brassinosteroid Regulates Cell Elongation by Modulating Gibberellin Metabolism in Rice Â Â. Plant Cell, 2014, 26, 4376-4393.	6.6	589
4	Variation in NRT1.1B contributes to nitrate-use divergence between rice subspecies. Nature Genetics, 2015, 47, 834-838.	21.4	527
5	OsNAP connects abscisic acid and leaf senescence by fine-tuning abscisic acid biosynthesis and directly targeting senescence-associated genes in rice. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10013-10018.	7.1	449
6	Overexpression of a rice OsDREB1F gene increases salt, drought, and low temperature tolerance in both Arabidopsis and rice. Plant Molecular Biology, 2008, 67, 589-602.	3.9	389
7	OsWRKY71, a rice transcription factor, is involved in rice defense response. Journal of Plant Physiology, 2007, 164, 969-979.	3.5	346
8	Control of grain size and rice yield by GL2-mediated brassinosteroid responses. Nature Plants, 2016, 2, 15195.	9.3	342
9	OsbZIP71, a bZIP transcription factor, confers salinity and drought tolerance in rice. Plant Molecular Biology, 2014, 84, 19-36.	3.9	311
10	DWARF AND LOWâ€TILLERING, a new member of the GRAS family, plays positive roles in brassinosteroid signaling in rice. Plant Journal, 2009, 58, 803-816.	5.7	307
11	DWARF AND LOW-TILLERING Acts as a Direct Downstream Target of a GSK3/SHAGGY-Like Kinase to Mediate Brassinosteroid Responses in Rice. Plant Cell, 2012, 24, 2562-2577.	6.6	292
12	Nitric Oxide and Protein<i>S</i>-Nitrosylation Are Integral to Hydrogen Peroxide-Induced Leaf Cell Death in Rice Â Â. Plant Physiology, 2012, 158, 451-464.	4.8	290
13	MicroRNAs in crop improvement: fine-tuners for complex traits. Nature Plants, 2017, 3, 17077.	9.3	290
14	Roles of DCL4 and DCL3b in rice phased small RNA biogenesis. Plant Journal, 2012, 69, 462-474.	5.7	289
15	Arabidopsis WRKY46, WRKY54 and WRKY70 Transcription Factors Are Involved in Brassinosteroid-Regulated Plant Growth and Drought Response. Plant Cell, 2017, 29, tpc.00364.2017.	6.6	286
16	Insights into salt tolerance from the genome of <i>Thellungiella salsuginea</i>. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12219-12224.	7.1	272
17	Melatonin delays leaf senescence and enhances salt stress tolerance in rice. Journal of Pineal Research, 2015, 59, 91-101.	7.4	272
18	Nitrogen use efficiency in crops: lessons from Arabidopsis and rice. Journal of Experimental Botany, 2017, 68, 2477-2488.	4.8	269

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19	Mutations of genes in synthesis of the carotenoid precursors of ABA lead to preâ€harvest sprouting and photoâ€oxidation in rice. Plant Journal, 2008, 54, 177-189.	5.7	265
20	Activation of <i>Big Grain1</i> significantly improves grain size by regulating auxin transport in rice. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11102-11107.	7.1	265
21	Nitrateâ€“NRT1.1Bâ€“SPX4 cascade integrates nitrogen and phosphorus signalling networks in plants. Nature Plants, 2019, 5, 401-413.	9.3	263
22	A route to de novo domestication of wild allotetraploid rice. Cell, 2021, 184, 1156-1170.e14.	28.9	259
23	Os<scp>PT</scp>2, a phosphate transporter, is involved in the active uptake of selenite in rice. New Phytologist, 2014, 201, 1183-1191.	7.3	255
24	Genome-wide Targeted Mutagenesis in Rice Using the CRISPR/Cas9 System. Molecular Plant, 2017, 10, 1242-1245.	8.3	242
25	OsMT1a, a type 1 metallothionein, plays the pivotal role in zinc homeostasis and drought tolerance in rice. Plant Molecular Biology, 2009, 70, 219-229.	3.9	235
26	Loss of Function of OsDCL1 Affects MicroRNA Accumulation and Causes Developmental Defects in Rice. Plant Physiology, 2005, 139, 296-305.	4.8	233
27	Mutation of the Rice <i>Narrow leaf1</i> Gene, Which Encodes a Novel Protein, Affects Vein Patterning and Polar Auxin Transport. Plant Physiology, 2008, 147, 1947-1959.	4.8	232
28	S-Nitrosylation of AtSABP3 Antagonizes the Expression of Plant Immunity. Journal of Biological Chemistry, 2009, 284, 2131-2137.	3.4	227
29	Expression of the Nitrate Transporter Gene <i>OsNRT1.1A/OsNPF6.3</i> Confers High Yield and Early Maturation in Rice. Plant Cell, 2018, 30, 638-651.	6.6	227
30	OsWRKY30 is activated by MAP kinases to confer drought tolerance in rice. Plant Molecular Biology, 2012, 80, 241-253.	3.9	222
31	Co-Overexpression <i>FIT</i> with <i>AtbHLH38</i> or <i>AtbHLH39</i> in Arabidopsis-Enhanced Cadmium Tolerance via Increased Cadmium Sequestration in Roots and Improved Iron Homeostasis of Shoots Â. Plant Physiology, 2012, 158, 790-800.	4.8	213
32	<i>LEAF TIP NECROSIS1</i> Plays a Pivotal Role in the Regulation of Multiple Phosphate Starvation Responses in Rice Â Â. Plant Physiology, 2011, 156, 1101-1115.	4.8	208
33	Root microbiota shift in rice correlates with resident time in the field and developmental stage. Science China Life Sciences, 2018, 61, 613-621.	4.9	204
34	Genomic basis of geographical adaptation to soil nitrogen in rice. Nature, 2021, 590, 600-605.	27.8	204
35	RD26 mediates crosstalk between drought and brassinosteroid signalling pathways. Nature Communications, 2017, 8, 14573.	12.8	202
36	A Novel QTL qTGW3 Encodes the GSK3/SHAGGY-Like Kinase OsGSK5/OsSK41 that Interacts with OsARF4 to Negatively Regulate Grain Size and Weight in Rice. Molecular Plant, 2018, 11, 736-749.	8.3	201

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37	ROS accumulation and antiviral defence control by microRNA528 in rice. Nature Plants, 2017, 3, 16203.	9.3	189
38	Cross-talk of nitric oxide and reactive oxygen species in plant programed cell death. Frontiers in Plant Science, 2013, 4, 314.	3.6	183
39	<i>CYTOKININ OXIDASE/DEHYDROGENASE4</i> Integrates Cytokinin and Auxin Signaling to Control Rice Crown Root Formation Â Â. Plant Physiology, 2014, 165, 1035-1046.	4.8	182
40	The redox switch: dynamic regulation of protein function by cysteine modifications. Physiologia Plantarum, 2010, 138, 360-371.	5.2	178
41	Parallel selection on a dormancy gene during domestication of crops from multiple families. Nature Genetics, 2018, 50, 1435-1441.	21.4	168
42	SDG714, a Histone H3K9 Methyltransferase, Is Involved in Tos17 DNA Methylation and Transposition in Rice. Plant Cell, 2007, 19, 9-22.	6.6	162
43	GOLD HULL AND INTERNODE2 Encodes a Primarily Multifunctional Cinnamyl-Alcohol Dehydrogenase in Rice. Plant Physiology, 2006, 140, 972-983.	4.8	160
44	Early selection of bZIP73 facilitated adaptation of japonica rice to cold climates. Nature Communications, 2018, 9, 3302.	12.8	155
45	Nitric oxide function and signalling in plant disease resistance. Journal of Experimental Botany, 2008, 59, 147-154.	4.8	154
46	Functional Specificities of Brassinosteroid and Potential Utilization for Crop Improvement. Trends in Plant Science, 2018, 23, 1016-1028.	8.8	153
47	OsWRKY03, a rice transcriptional activator that functions in defense signaling pathway upstream of OsNPR1. Cell Research, 2005, 15, 593-603.	12.0	151
48	EUI1, Encoding a Putative Cytochrome P450 Monooxygenase, Regulates Internode Elongation by Modulating Gibberellin Responses in Rice. Plant and Cell Physiology, 2006, 47, 181-191.	3.1	151
49	NOT2 Proteins Promote Polymerase IIâ€"Dependent Transcription and Interact with Multiple MicroRNA Biogenesis Factors in <i>Arabidopsis</i> Â Â. Plant Cell, 2013, 25, 715-727.	6.6	147
50	Rice DENSE AND ERECT PANICLE 2 is essential for determining panicle outgrowth and elongation. Cell Research, 2010, 20, 838-849.	12.0	138
51	<i>Oryza sativa Dicer-like4</i>Reveals a Key Role for Small Interfering RNA Silencing in Plant Development. Plant Cell, 2007, 19, 2705-2718.	6.6	136
52	Melatonin Regulates Root Architecture by Modulating Auxin Response in Rice. Frontiers in Plant Science, 2017, 8, 134.	3.6	134
53	OsSDIR1 overexpression greatly improves drought tolerance in transgenic rice. Plant Molecular Biology, 2011, 76, 145-156.	3.9	133
54	Nitric oxide ameliorates zinc oxide nanoparticles-induced phytotoxicity in rice seedlings. Journal of Hazardous Materials, 2015, 297, 173-182.	12.4	133

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55	The <scp>bZIP</scp>73 transcription factor controls rice cold tolerance at the reproductive stage. Plant Biotechnology Journal, 2019, 17, 1834-1849.	8.3	123
56	Arsenic biotransformation and volatilization in transgenic rice. New Phytologist, 2011, 191, 49-56.	7.3	116
57	The Histone Methyltransferase SDG724 Mediates H3K36me2/3 Deposition at <i>MADS50</i> and <i>RFT1</i> and Promotes Flowering in Rice. Plant Cell, 2012, 24, 3235-3247.	6.6	112
58	The Arabidopsis Spontaneous Cell Death1 gene, encoding a Î¶-carotene desaturase essential for carotenoid biosynthesis, is involved in chloroplast development, photoprotection and retrograde signalling. Cell Research, 2007, 17, 458-470.	12.0	110
59	Ethylene Responses in Rice Roots and Coleoptiles Are Differentially Regulated by a Carotenoid Isomerase-Mediated Abscisic Acid Pathway. Plant Cell, 2015, 27, 1061-1081.	6.6	107
60	Rice functional genomics: decadesâ€™ efforts and roads ahead. Science China Life Sciences, 2022, 65, 33-92.	4.9	107
61	High-efficiency breeding of early-maturing rice cultivars via CRISPR/Cas9-mediated genome editing. Journal of Genetics and Genomics, 2017, 44, 175-178.	3.9	104
62	The impact of high-temperature stress on rice: Challenges and solutions. Crop Journal, 2021, 9, 963-976.	5.2	104
63	Variations in <scp><i>CYP</i></scp><i>78</i><scp><i>A</i></scp><i>13</i> coding region influence grain size and yield in rice. Plant, Cell and Environment, 2015, 38, 800-811.	5.7	102
64	The Power of Inbreeding: NGS-Based GWAS of Rice Reveals Convergent Evolution during Rice Domestication. Molecular Plant, 2016, 9, 975-985.	8.3	102
65	The MYB Activator WHITE PETAL1 Associates with MtTT8 and MtWD40-1 to Regulate Carotenoid-Derived Flower Pigmentation in <i>Medicago truncatula</i>. Plant Cell, 2019, 31, 2751-2767.	6.6	102
66	Asian wild rice is a hybrid swarm with extensive gene flow and feralization from domesticated rice. Genome Research, 2017, 27, 1029-1038.	5.5	100
67	Rice RNAâ€dependent RNA polymerase 6 acts in small RNA biogenesis and spikelet development. Plant Journal, 2012, 71, 378-389.	5.7	98
68	Control of secondary cell wall patterning involves xylan deacetylation by a GDSL esterase. Nature Plants, 2017, 3, 17017.	9.3	98
69	An AT-hook gene is required for palea formation and floral organ number control in rice. Developmental Biology, 2011, 359, 277-288.	2.0	94
70	Salt tolerance in rice: Physiological responses and molecular mechanisms. Crop Journal, 2022, 10, 13-25.	5.2	94
71	ARGONAUTE2 Enhances Grain Length and Salt Tolerance by Activating <i>BIG GRAIN3</i> to Modulate Cytokinin Distribution in Rice. Plant Cell, 2020, 32, 2292-2306.	6.6	91
72	OsGLU1, A Putative Membrane-bound Endo-1,4-ÃŸ-D-glucanase from Rice, Affects Plant Internode Elongation. Plant Molecular Biology, 2006, 60, 137-151.	3.9	89

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73	Assessment of Five Chilling Tolerance Traits and GWAS Mapping in Rice Using the USDA Mini-Core Collection. Frontiers in Plant Science, 2017, 8, 957.	3.6	88
74	Overexpression of microRNA408 enhances photosynthesis, growth, and seed yield in diverse plants. Journal of Integrative Plant Biology, 2018, 60, 323-340.	8.5	87
75	Significant Improvement of Cotton Verticillium Wilt Resistance by Manipulating the Expression of Gastrodia Antifungal Proteins. Molecular Plant, 2016, 9, 1436-1439.	8.3	86
76	Leaf Photosynthetic Parameters Related to Biomass Accumulation in a Global Rice Diversity Survey. Plant Physiology, 2017, 175, 248-258.	4.8	85
77	The Interactions among <i>DWARF10</i>, Auxin and Cytokinin Underlie Lateral Bud Outgrowth in Rice. Journal of Integrative Plant Biology, 2010, 52, 626-638.	8.5	84
78	Activation of the Jasmonic Acid Pathway by Depletion of the Hydroperoxide Lyase OsHPL3 Reveals Crosstalk between the HPL and AOS Branches of the Oxylipin Pathway in Rice. PLoS ONE, 2012, 7, e50089.	2.5	83
79	Semiâ€dominant mutations in the CCâ€NBâ€LRRâ€type <i>R</i> gene, <i>NLS1</i>, lead to constitutive activation of defense responses in rice. Plant Journal, 2011, 66, 996-1007.	5.7	82
80	Understanding the genetic and epigenetic architecture in complex network of rice flowering pathways. Protein and Cell, 2014, 5, 889-898.	11.0	81
81	Rice HOX12 Regulates Panicle Exsertion by Directly Modulating the Expression of <i>ELONGATED UPPERMOST INTERNODE1</i>. Plant Cell, 2016, 28, 680-695.	6.6	80
82	Nitrogen assimilation in plants: current status and future prospects. Journal of Genetics and Genomics, 2022, 49, 394-404.	3.9	80
83	Crop 3Dâ€"a LiDAR based platform for 3D high-throughput crop phenotyping. Science China Life Sciences, 2018, 61, 328-339.	4.9	79
84	NRT1.1s in plants: functions beyond nitrate transport. Journal of Experimental Botany, 2020, 71, 4373-4379.	4.8	79
85	A long noncoding RNA involved in rice reproductive development by negatively regulating osa-miR160. Science Bulletin, 2017, 62, 470-475.	9.0	78
86	<i>Ef-cd</i> locus shortens rice maturity duration without yield penalty. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18717-18722.	7.1	77
87	H₂O₂â€induced Leaf Cell Death and the Crosstalk of Reactive Nitric/Oxygen Species^F. Journal of Integrative Plant Biology, 2013, 55, 202-208.	8.5	74
88	OsMSRA4.1 and OsMSRB1.1, two rice plastidial methionine sulfoxide reductases, are involved in abiotic stress responses. Planta, 2009, 230, 227-238.	3.2	73
89	The rice <i>GERMINATION DEFECTIVE 1</i>, encoding a B3 domain transcriptional repressor, regulates seed germination and seedling development by integrating <scp>GA</scp> and carbohydrate metabolism. Plant Journal, 2013, 75, 403-416.	5.7	73
90	<i>Big Grain3,</i> encoding a purine permease, regulates grain size via modulating cytokinin transport in rice. Journal of Integrative Plant Biology, 2019, 61, 581-597.	8.5	73

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91	Rice NINâ€LIKE PROTEIN 4 plays a pivotal role in nitrogen use efficiency. Plant Biotechnology Journal, 2021, 19, 448-461.	8.3	72
92	A Rice Plastidial Nucleotide Sugar Epimerase Is Involved in Galactolipid Biosynthesis and Improves Photosynthetic Efficiency. PLoS Genetics, 2011, 7, e1002196.	3.5	71
93	Nitrogenâ€"phosphorus interplay: old story with molecular tale. New Phytologist, 2020, 225, 1455-1460.	7.3	71
94	Î¶-Carotene Isomerase Suppresses Tillering in Rice through the Coordinated Biosynthesis of Strigolactone and Abscisic Acid. Molecular Plant, 2020, 13, 1784-1801.	8.3	70
95	Gibberellin Metabolism and Signaling: Targets for Improving Agronomic Performance of Crops. Plant and Cell Physiology, 2020, 61, 1902-1911.	3.1	70
96	Expression Patterns of ABA and GA Metabolism Genes and Hormone Levels during Rice Seed Development and Imbibition: A Comparison of Dormant and Non-Dormant Rice Cultivars. Journal of Genetics and Genomics, 2014, 41, 327-338.	3.9	69
97	Brassinosteroids Regulate OFP1, a DLT Interacting Protein, to Modulate Plant Architecture and Grain Morphology in Rice. Frontiers in Plant Science, 2017, 8, 1698.	3.6	69
98	Rapid stomatal response to fluctuating light: an under-explored mechanism to improve drought tolerance in rice. Functional Plant Biology, 2016, 43, 727.	2.1	68
99	Up-regulation of<i>LSB1</i>/<i>GDU3</i>affects geminivirus infection by activating the salicylic acid pathway. Plant Journal, 2010, 62, 12-23.	5.7	67
100	Fine-Tuning of MiR528 Accumulation Modulates Flowering Time in Rice. Molecular Plant, 2019, 12, 1103-1113.	8.3	67
101	Natural variations of SLG1 confer high-temperature tolerance in indica rice. Nature Communications, 2020, 11, 5441.	12.8	66
102	The OsGSK2 Kinase Integrates Brassinosteroid and Jasmonic Acid Signaling by Interacting with OsJAZ4. Plant Cell, 2020, 32, 2806-2822.	6.6	64
103	RLIN1, encoding a putative coproporphyrinogen III oxidase, is involved inÂlesion initiation in rice. Journal of Genetics and Genomics, 2011, 38, 29-37.	3.9	60
104	A transceptorâ€"channel complex couples nitrate sensing to calcium signaling in Arabidopsis. Molecular Plant, 2021, 14, 774-786.	8.3	60
105	MicroRNA399 is involved in multiple nutrient starvation responses in rice. Frontiers in Plant Science, 2015, 6, 188.	3.6	59
106	Improvement of nutrient use efficiency in rice: current toolbox and future perspectives. Theoretical and Applied Genetics, 2020, 133, 1365-1384.	3.6	58
107	Ethanol Vapor Is an Efficient Inducer of the alc Gene Expression System in Model and Crop Plant Species. Plant Physiology, 2002, 129, 943-948.	4.8	57
108	Abscisic acid and the pre-harvest sprouting in cereals. Plant Signaling and Behavior, 2008, 3, 1046-1048.	2.4	57

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109	Genetic architecture underlying light and temperature mediated flowering in <i>Arabidopsis</i>, rice, and temperate cereals. New Phytologist, 2021, 230, 1731-1745.	7.3	57
110	Sweet Sorghum Originated through Selection of <i>Dry</i>, a Plant-Specific NAC Transcription Factor Gene. Plant Cell, 2018, 30, 2286-2307.	6.6	55
111	Endosperm sugar accumulation caused by mutation of <i><scp>PHS</scp>8</i>/<i><scp>ISA</scp>1</i> leads to preâ€harvest sprouting in rice. Plant Journal, 2018, 95, 545-556.	5.7	55
112	GSK2 stabilizes OFP3 to suppress brassinosteroid responses in rice. Plant Journal, 2020, 102, 1187-1201.	5.7	55
113	ZEBRA2, encoding a carotenoid isomerase, is involved in photoprotection in rice. Plant Molecular Biology, 2011, 75, 211-221.	3.9	54
114	Brassinosteroid Signaling and Application in Rice. Journal of Genetics and Genomics, 2012, 39, 3-9.	3.9	54
115	Control of rice preâ€harvest sprouting by glutaredoxinâ€mediated abscisic acid signaling. Plant Journal, 2019, 100, 1036-1051.	5.7	54
116	NRT1.1B improves selenium concentrations in rice grains by facilitating selenomethinone translocation. Plant Biotechnology Journal, 2019, 17, 1058-1068.	8.3	54
117	<i>Rht24b</i>, an ancient variation of <i>TaGA2oxâ€A9</i>, reduces plant height without yield penalty in wheat. New Phytologist, 2022, 233, 738-750.	7.3	54
118	Combinations of <i>Hd2</i> and <i>Hd4</i> genes determine rice adaptability to Heilongjiang Province, northern limit of China. Journal of Integrative Plant Biology, 2015, 57, 698-707.	8.5	53
119	Cytokininâ€dependent regulatory module underlies the maintenance of zinc nutrition in rice. New Phytologist, 2019, 224, 202-215.	7.3	53
120	<i>Arabidopsis</i>SDIR1 Enhances Drought Tolerance in Crop Plants. Bioscience, Biotechnology and Biochemistry, 2008, 72, 2251-2254.	1.3	51
121	Excision of a selective marker in transgenic rice using a novel Cre/loxP system controlled by a floral specific promoter. Transgenic Research, 2008, 17, 1035-1043.	2.4	49
122	Nitric oxide: promoter or suppressor of programmed cell death?. Protein and Cell, 2010, 1, 133-142.	11.0	49
123	Synergistic interplay of ABA and BR signal in regulating plant growth and adaptation. Nature Plants, 2021, 7, 1108-1118.	9.3	49
124	Towards understanding the hierarchical nitrogen signalling network in plants. Current Opinion in Plant Biology, 2020, 55, 60-65.	7.1	47
125	In plants the alc gene expression system responds more rapidly following induction with acetaldehyde than with ethanol. FEBS Letters, 2003, 535, 136-140.	2.8	46
126	Down-Regulation of<i>OsGRF1</i>Gene in Rice<i>rhd1</i>Mutant Results in Reduced Heading Date. Journal of Integrative Plant Biology, 2005, 47, 745-752.	8.5	44

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127	From Green Super Rice to green agriculture: Reaping the promise of functional genomics research. Molecular Plant, 2022, 15, 9-26.	8.3	44
128	Oral administration of exopolysaccharide from Aphanothece halophytica (Chroococcales) significantly inhibits influenza virus (H1N1)-induced pneumonia in mice. International Immunopharmacology, 2006, 6, 1093-1099.	3.8	43
129	Fine mapping of qSTV11 TQ , a major gene conferring resistance to rice stripe disease. Theoretical and Applied Genetics, 2011, 122, 915-923.	3.6	42
130	Analysis of genetic architecture and favorable allele usage of agronomic traits in a large collection of Chinese rice accessions. Science China Life Sciences, 2020, 63, 1688-1702.	4.9	41
131	Nitrogen-Use Divergence Between Indica and Japonica Rice: Variation at Nitrate Assimilation. Molecular Plant, 2020, 13, 6-7.	8.3	39
132	Isolation and expression analysis of salt up-regulated ESTs in upland rice using PCR-based subtractive suppression hybridization method. Plant Science, 2005, 168, 847-853.	3.6	38
133	Glycosyltransferase OsUGT90A1 helps protect the plasma membrane during chilling stress in rice. Journal of Experimental Botany, 2020, 71, 2723-2739.	4.8	36
134	Involvement of OsNPR1/NH1 in rice basal resistance to blast fungus Magnaporthe oryzae. European Journal of Plant Pathology, 2011, 131, 221-235.	1.7	35
135	Variations between the photosynthetic properties of elite and landrace Chinese rice cultivars revealed by simultaneous measurements of 820 nm transmission signal and chlorophyll a fluorescence induction. Journal of Plant Physiology, 2015, 177, 128-138.	3.5	35
136	Reply: Brassinosteroid Regulates Gibberellin Synthesis to Promote Cell Elongation in Rice: Critical Comments on Ross and Quittendenâ€™s Letter. Plant Cell, 2016, 28, 833-835.	6.6	35
137	Exploration of rice yield potential: Decoding agronomic and physiological traits. Crop Journal, 2021, 9, 577-589.	5.2	35
138	Cold stress tolerance in rice: physiological changes, molecular mechanism, and future prospects. Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji, 2018, 40, 171-185.	0.2	34
139	Dual function of clock component <i>OsLHY</i> sets critical day length for photoperiodic flowering in rice. Plant Biotechnology Journal, 2021, 19, 1644-1657.	8.3	33
140	Molecular analysis of rice plants harboring a multi-functional T-DNA tagging system. Journal of Genetics and Genomics, 2009, 36, 267-276.	3.9	31
141	Genetic transformation of lipid transfer protein encoding gene in Phalaenopsis amabilis to enhance cold resistance. Euphytica, 2011, 177, 33-43.	1.2	28
142	Identification of microRNAs in rice root in response to nitrate and ammonium. Journal of Genetics and Genomics, 2016, 43, 651-661.	3.9	28
143	Alterations in stomatal response to fluctuating light increase biomass and yield of rice under drought conditions. Plant Journal, 2020, 104, 1334-1347.	5.7	26
144	Diversification of plant agronomic traits by genome editing of brassinosteroid signaling family genes in rice. Plant Physiology, 2021, 187, 2563-2576.	4.8	26

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145	Geneticsâ€based dynamic systems model of canopy photosynthesis: the key to improve light and resource use efficiencies for crops. Food and Energy Security, 2016, 5, 18-25.	4.3	25
146	Aqueous Extract of Inonotus bliquus (Fr.) Pilat (Hymenochaetaceae) Significantly Inhibits the Growth of Sarcoma 180 by Inducing Apoptosis. American Journal of Pharmacology and Toxicology, 2007, 2, 10-17.	0.7	25
147	LEAFY HEAD2, which encodes a putative RNA-binding protein, regulates shoot development of rice. Cell Research, 2006, 16, 267-276.	12.0	24
148	Are we ready to improve phosphorus homeostasis in rice?. Journal of Experimental Botany, 2018, 69, 3515-3522.	4.8	23
149	Selenium Uptake, Transport, Metabolism, Reutilization, and Biofortification in Rice. Rice, 2022, 15, .	4.0	23
150	Towards Understanding Plant Response to Heavy Metal Stress. , 0, , .		22
151	Modulation of nitrate-induced phosphate response by the MYB transcription factor RLI1/HINGE1 in the nucleus. Molecular Plant, 2021, 14, 517-529.	8.3	22
152	A cryptic inhibitor of cytokinin phosphorelay controls rice grain size. Molecular Plant, 2022, 15, 293-307.	8.3	22
153	Increasing floral visitation and hybrid seed production mediated by beauty mark in <i>Gossypium hirsutum</i>. Plant Biotechnology Journal, 2022, 20, 1274-1284.	8.3	21
154	Endoplasmic Reticulum-Localized PURINE PERMEASE1 Regulates Plant Height and Grain Weight by Modulating Cytokinin Distribution in Rice. Frontiers in Plant Science, 2020, 11, 618560.	3.6	20
155	Roles of DLT in fine modulation on brassinosteroid response in rice. Plant Signaling and Behavior, 2009, 4, 438-439.	2.4	19
156	Phosphate starvation signaling in rice. Plant Signaling and Behavior, 2011, 6, 927-929.	2.4	19
157	Rice DWARF AND LOW-TILLERING and the homeodomain protein OSH15 interact to regulate internode elongation via orchestrating brassinosteroid signaling and metabolism. Plant Cell, 2022, 34, 3754-3772.	6.6	18
158	Genomeâ€wide association study identifies variation of glucosidase being linked to natural variation of the maximal quantum yield of photosystem II. Physiologia Plantarum, 2019, 166, 105-119.	5.2	17
159	Posttranslational Modifications: Regulation of Nitrogen Utilization and Signaling. Plant and Cell Physiology, 2021, 62, 543-552.	3.1	17
160	S-Nitrosylation Control of ROS and RNS Homeostasis in Plants: The Switching Function of Catalase. Molecular Plant, 2020, 13, 946-948.	8.3	17
161	Comparative proteomics analysis of OsNAS1 transgenic Brassica napus under salt stress. Science Bulletin, 2011, 56, 2343-2350.	1.7	15
162	Transformation of LTP gene into Brassica napus to enhance its resistance to Sclerotinia sclerotiorum. Russian Journal of Genetics, 2013, 49, 380-387.	0.6	14

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163	Rice catalase OsCATC is degraded by E3 ligase APIP6 to negatively regulate immunity. Plant Physiology, 2022, 190, 1095-1099.	4.8	14
164	Mutation of a Nucleotide-Binding Leucine-Rich Repeat Immune Receptor-Type Protein Disrupts Immunity to Bacterial Blight. Plant Physiology, 2019, 181, 1295-1313.	4.8	13
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