

Qifa Zhang

List of Publications by Year in descending order

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170
papers

26,603
citations

5569

82
h-index

6294

158
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176
all docs

176
docs citations

176
times ranked

15547
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural variation in Ghd7 is an important regulator of heading date and yield potential in rice. <i>Nature Genetics</i> , 2008, 40, 761-767.	9.4	1,666
2	Overexpressing a NAM, ATAF, and CUC (NAC) transcription factor enhances drought resistance and salt tolerance in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 12987-12992.	3.3	1,371
3	GS3, a major QTL for grain length and weight and minor QTL for grain width and thickness in rice, encodes a putative transmembrane protein. <i>Theoretical and Applied Genetics</i> , 2006, 112, 1164-1171.	1.8	1,252
4	Development and Mapping of 2240 New SSR Markers for Rice (<i>Oryza sativa</i> L.). <i>DNA Research</i> , 2002, 9, 199-207.	1.5	1,203
5	Natural variation in GS5 plays an important role in regulating grain size and yield in rice. <i>Nature Genetics</i> , 2011, 43, 1266-1269.	9.4	821
6	Genetic and Molecular Bases of Rice Yield. <i>Annual Review of Plant Biology</i> , 2010, 61, 421-442.	8.6	762
7	Strategies for developing Green Super Rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 16402-16409.	3.3	653
8	Linking differential domain functions of the GS3 protein to natural variation of grain size in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19579-19584.	3.3	580
9	A long noncoding RNA regulates photoperiod-sensitive male sterility, an essential component of hybrid rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2654-2659.	3.3	572
10	Combining high-throughput phenotyping and genome-wide association studies to reveal natural genetic variation in rice. <i>Nature Communications</i> , 2014, 5, 5087.	5.8	490
11	Promoter mutations of an essential gene for pollen development result in disease resistance in rice. <i>Genes and Development</i> , 2006, 20, 1250-1255.	2.7	457
12	Xa26, a gene conferring resistance to <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> in rice, encodes an LRR receptor kinase-like protein. <i>Plant Journal</i> , 2004, 37, 517-527.	2.8	446
13	Field performance of transgenic elite commercial hybrid rice expressing <i>Bacillus thuringiensis</i> δ -endotoxin. <i>Nature Biotechnology</i> , 2000, 18, 1101-1104.	9.4	412
14	Single-locus heterotic effects and dominance by dominance interactions can adequately explain the genetic basis of heterosis in an elite rice hybrid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 2574-2579.	3.3	367
15	Genetic Basis of Drought Resistance at Reproductive Stage in Rice: Separation of Drought Tolerance From Drought Avoidance. <i>Genetics</i> , 2006, 172, 1213-1228.	1.2	359
16	A dynamic gene expression atlas covering the entire life cycle of rice. <i>Plant Journal</i> , 2010, 61, 752-766.	2.8	326
17	The three important traits for cooking and eating quality of rice grains are controlled by a single locus in an elite rice hybrid, Shanyou 63. <i>Theoretical and Applied Genetics</i> , 1999, 99, 642-648.	1.8	317
18	Optimising the tissue culture conditions for high efficiency transformation of indica rice. <i>Plant Cell Reports</i> , 2005, 23, 540-547.	2.8	308

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19	Parent-independent genotyping for constructing an ultrahigh-density linkage map based on population sequencing. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10578-10583.	3.3	299
20	Genetic bases of appearance quality of rice grains in Shanyou 63, an elite rice hybrid. Theoretical and Applied Genetics, 2000, 101, 823-829.	1.8	263
21	A Killer-Protector System Regulates Both Hybrid Sterility and Segregation Distortion in Rice. Science, 2012, 337, 1336-1340.	6.0	263
22	A triallelic system of <i>S5</i> is a major regulator of the reproductive barrier and compatibility of indica-japonica hybrids in rice. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 11436-11441.	3.3	257
23	A High-Density SNP Genotyping Array for Rice Biology and Molecular Breeding. Molecular Plant, 2014, 7, 541-553.	3.9	251
24	The rice genome revolution: from an ancient grain to Green Super Rice. Nature Reviews Genetics, 2018, 19, 505-517.	7.7	251
25	Designing Future Crops: Genomics-Assisted Breeding Comes of Age. Trends in Plant Science, 2021, 26, 631-649.	4.3	244
26	Genetic Dissection of an Elite Rice Hybrid Revealed That Heterozygotes Are Not Always Advantageous for Performance. Genetics, 2002, 162, 1885-1895.	1.2	240
27	Development of enhancer trap lines for functional analysis of the rice genome. Plant Journal, 2003, 35, 418-427.	2.8	237
28	<i>PMS1T</i> , producing phased small-interfering RNAs, regulates photoperiod-sensitive male sterility in rice. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 15144-15149.	3.3	234
29	Genetic diversity and differentiation of indica and japonica rice detected by RFLP analysis. Theoretical and Applied Genetics, 1992, 83, 495-499.	1.8	228
30	Gains in QTL Detection Using an Ultra-High Density SNP Map Based on Population Sequencing Relative to Traditional RFLP/SSR Markers. PLoS ONE, 2011, 6, e17595.	1.1	228
31	Rice Mutant Resources for Gene Discovery. Plant Molecular Biology, 2004, 54, 325-334.	2.0	221
32	Coordinated regulation of vegetative and reproductive branching in rice. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15504-15509.	3.3	218
33	Genetic composition of yield heterosis in an elite rice hybrid. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15847-15852.	3.3	214
34	Extensive sequence divergence between the reference genomes of two elite <i>indica</i> rice varieties Zhenshan 97 and Minghui 63. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5163-71.	3.3	211
35	<i>RID1</i> , encoding a Cys2/His2-type zinc finger transcription factor, acts as a master switch from vegetative to floral development in rice. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 12915-12920.	3.3	207
36	Overexpressed glutamine synthetase gene modifies nitrogen metabolism and abiotic stress responses in rice. Plant Cell Reports, 2009, 28, 527-537.	2.8	203

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37	RMD: a rice mutant database for functional analysis of the rice genome. <i>Nucleic Acids Research</i> , 2006, 34, D745-D748.	6.5	200
38	Comparative analysis of microsatellite DNA polymorphism in landraces and cultivars of rice. <i>Molecular Genetics and Genomics</i> , 1994, 245, 187-194.	2.4	198
39	<i>Grain Number</i> , <i>Plant Height</i> , and <i>Heading Date</i> Is a Central Regulator of Growth, Development, and Stress Response. <i>Plant Physiology</i> , 2014, 164, 735-747.	2.3	198
40	Transgenic indica rice plants harboring a synthetic cry2A* gene of <i>Bacillus thuringiensis</i> exhibit enhanced resistance against lepidopteran rice pests. <i>Theoretical and Applied Genetics</i> , 2005, 111, 1330-1337.	1.8	196
41	Allelic diversity in an NLR gene <i>BPH9</i> enables rice to combat planthopper variation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12850-12855.	3.3	196
42	A G-protein pathway determines grain size in rice. <i>Nature Communications</i> , 2018, 9, 851.	5.8	195
43	Predicting hybrid performance in rice using genomic best linear unbiased prediction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12456-12461.	3.3	194
44	Development of insect-resistant transgenic indica rice with a synthetic cry1C* gene. <i>Molecular Breeding</i> , 2006, 18, 1-10.	1.0	192
45	Targeting xa13, a recessive gene for bacterial blight resistance in rice. <i>Theoretical and Applied Genetics</i> , 2006, 112, 455-461.	1.8	178
46	Improvement of Bacterial Blight Resistance of 'Minghui 63', an Elite Restorer Line of Hybrid Rice, by Molecular Marker-Assisted Selection. <i>Crop Science</i> , 2000, 40, 239-244.	0.8	174
47	The Rice YABBY1 Gene Is Involved in the Feedback Regulation of Gibberellin Metabolism. <i>Plant Physiology</i> , 2007, 144, 121-133.	2.3	168
48	Plant Nutriomics in China: An Overview. <i>Annals of Botany</i> , 2006, 98, 473-482.	1.4	167
49	Expression Profiles of 10,422 Genes at Early Stage of Low Nitrogen Stress in Rice Assayed using a cDNA Microarray. <i>Plant Molecular Biology</i> , 2006, 60, 617-631.	2.0	167
50	Mutant Resources in Rice for Functional Genomics of the Grasses. <i>Plant Physiology</i> , 2009, 149, 165-170.	2.3	167
51	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.	3.3	165
52	A whole-genome SNP array (RICE6K) for genomic breeding in rice. <i>Plant Biotechnology Journal</i> , 2014, 12, 28-37.	4.1	163
53	Genetic analysis of the metabolome exemplified using a rice population. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20320-20325.	3.3	155
54	The main effects, epistatic effects and environmental interactions of QTLs on the cooking and eating quality of rice in a doubled-haploid line population. <i>Theoretical and Applied Genetics</i> , 2005, 110, 1445-1452.	1.8	153

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55	Genetic basis of 17 traits and viscosity parameters characterizing the eating and cooking quality of rice grain. <i>Theoretical and Applied Genetics</i> , 2007, 115, 463-476.	1.8	148
56	5Gs for crop genetic improvement. <i>Current Opinion in Plant Biology</i> , 2020, 56, 190-196.	3.5	134
57	New Gene for Bacterial Blight Resistance in Rice Located on Chromosome 12 Identified from Minghui 63, an Elite Restorer Line. <i>Phytopathology</i> , 2002, 92, 750-754.	1.1	133
58	Two gap-free reference genomes and a global view of the centromere architecture in rice. <i>Molecular Plant</i> , 2021, 14, 1757-1767.	3.9	133
59	Patterns of genome-wide allele-specific expression in hybrid rice and the implications on the genetic basis of heterosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5653-5658.	3.3	130
60	KT/HAK/KUP potassium transporters gene family and their whole-life cycle expression profile in rice (<i>Oryza sativa</i>). <i>Molecular Genetics and Genomics</i> , 2008, 280, 437-52.	1.0	129
61	Rice APOPTOSIS INHIBITOR5 Coupled with Two DEAD-Box Adenosine 5'-Triphosphate-Dependent RNA Helicases Regulates Tapetum Degeneration. <i>Plant Cell</i> , 2011, 23, 1416-1434.	3.1	129
62	QTLs for low nitrogen tolerance at seedling stage identified using a recombinant inbred line population derived from an elite rice hybrid. <i>Theoretical and Applied Genetics</i> , 2005, 112, 85-96.	1.8	127
63	RNA-Directed DNA Methylation Is Involved in Regulating Photoperiod-Sensitive Male Sterility in Rice. <i>Molecular Plant</i> , 2012, 5, 1210-1216.	3.9	127
64	FLEXIBLE CULM 1 encoding a cinnamyl-alcohol dehydrogenase controls culm mechanical strength in rice. <i>Plant Molecular Biology</i> , 2009, 69, 685-697.	2.0	124
65	Comparative analyses of genomic locations and race specificities of loci for quantitative resistance to <i>Pyricularia grisea</i> in rice and barley. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 2544-2549.	3.3	122
66	Metabolomic prediction of yield in hybrid rice. <i>Plant Journal</i> , 2016, 88, 219-227.	2.8	120
67	Differential expression of GS5 regulates grain size in rice. <i>Journal of Experimental Botany</i> , 2015, 66, 2611-2623.	2.4	119
68	Identification of quantitative trait loci and epistatic interactions for plant height and heading date in rice. <i>Theoretical and Applied Genetics</i> , 2002, 104, 619-625.	1.8	118
69	Understanding Reproductive Isolation Based on the Rice Model. <i>Annual Review of Plant Biology</i> , 2013, 64, 111-135.	8.6	116
70	Over-expression of aspartate aminotransferase genes in rice resulted in altered nitrogen metabolism and increased amino acid content in seeds. <i>Theoretical and Applied Genetics</i> , 2009, 118, 1381-1390.	1.8	115
71	Rice Functional Genomics Research: Past Decade and Future. <i>Molecular Plant</i> , 2018, 11, 359-380.	3.9	113
72	Mutant Resources for the Functional Analysis of the Rice Genome. <i>Molecular Plant</i> , 2013, 6, 596-604.	3.9	112

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73	Non-random distribution of T-DNA insertions at various levels of the genome hierarchy as revealed by analyzing 13804 T-DNA flanking sequences from an enhancer-trap mutant library. <i>Plant Journal</i> , 2007, 49, 947-959.	2.8	107
74	Heterosis and polymorphisms of gene expression in an elite rice hybrid as revealed by a microarray analysis of 9198 unique ESTs. <i>Plant Molecular Biology</i> , 2006, 62, 579-591.	2.0	104
75	Rice 2020: A Call For An International Coordinated Effort In Rice Functional Genomics. <i>Molecular Plant</i> , 2008, 1, 715-719.	3.9	104
76	Rice functional genomics research: Progress and implications for crop genetic improvement. <i>Biotechnology Advances</i> , 2012, 30, 1059-1070.	6.0	100
77	Molecular marker heterozygosity and hybrid performance in indica and japonica rice. <i>Theoretical and Applied Genetics</i> , 1996, 93, 1218-1224.	1.8	96
78	Comprehensive sequence and expression profile analysis of Hsp20 gene family in rice. <i>Plant Molecular Biology</i> , 2009, 70, 341-357.	2.0	95
79	Hybrid sterility in plant: stories from rice. <i>Current Opinion in Plant Biology</i> , 2010, 13, 186-192.	3.5	93
80	CHD3 protein recognizes and regulates methylated histone H3 lysines 4 and 27 over a subset of targets in the rice genome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5773-5778.	3.3	93
81	XIAO is involved in the control of organ size by contributing to the regulation of signaling and homeostasis of brassinosteroids and cell cycling in rice. <i>Plant Journal</i> , 2012, 70, 398-408.	2.8	87
82	Hybrid breeding of rice via genomic selection. <i>Plant Biotechnology Journal</i> , 2020, 18, 57-67.	4.1	87
83	Integrative analysis of reference epigenomes in 20 rice varieties. <i>Nature Communications</i> , 2020, 11, 2658.	5.8	86
84	Molecular divergence and hybrid performance in rice. <i>Molecular Breeding</i> , 1995, 1, 133-142.	1.0	85
85	Quantitative trait loci for panicle size, heading date and plant height co-segregating in trait-performance derived near-isogenic lines of rice (<i>Oryza sativa</i>). <i>Theoretical and Applied Genetics</i> , 2006, 113, 361-368.	1.8	85
86	Fine mapping of a major quantitative trait loci, qSSP7, controlling the number of spikelets per panicle as a single Mendelian factor in rice. <i>Theoretical and Applied Genetics</i> , 2008, 116, 789-796.	1.8	83
87	The Rice HGW Gene Encodes a Ubiquitin-Associated (UBA) Domain Protein That Regulates Heading Date and Grain Weight. <i>PLoS ONE</i> , 2012, 7, e34231.	1.1	83
88	Replication Protein A (RPA1a) Is Required for Meiotic and Somatic DNA Repair But Is Dispensable for DNA Replication and Homologous Recombination in Rice. <i>Plant Physiology</i> , 2009, 151, 2162-2173.	2.3	78
89	Analyzing quantitative trait loci for yield using a vegetatively replicated F2 population from a cross between the parents of an elite rice hybrid. <i>Theoretical and Applied Genetics</i> , 2000, 101, 248-254.	1.8	75
90	Chromatin loops associated with active genes and heterochromatin shape rice genome architecture for transcriptional regulation. <i>Nature Communications</i> , 2019, 10, 3640.	5.8	75

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91	An expression quantitative trait loci-guided co-expression analysis for constructing regulatory network using a rice recombinant inbred line population. <i>Journal of Experimental Botany</i> , 2014, 65, 1069-1079.	2.4	74
92	Genetic dissection of embryo sac fertility, pollen fertility, and their contributions to spikelet fertility of intersubspecific hybrids in rice. <i>Theoretical and Applied Genetics</i> , 2005, 110, 205-211.	1.8	72
93	Boosting Rice Yield by Fine-Tuning SPL Gene Expression. <i>Trends in Plant Science</i> , 2017, 22, 643-646.	4.3	72
94	The QTL controlling amino acid content in grains of rice (<i>Oryza sativa</i>) are co-localized with the regions involved in the amino acid metabolism pathway. <i>Molecular Breeding</i> , 2007, 21, 127-137.	1.0	69
95	A global analysis of QTLs for expression variations in rice shoots at the early seedling stage. <i>Plant Journal</i> , 2010, 63, 1063-1074.	2.8	69
96	An analysis of hybrid sterility in rice using a diallel cross of 21 parents involving indica, japonica and wide compatibility varieties. <i>Euphytica</i> , 1996, 90, 275-280.	0.6	68
97	Heterosis in elite hybrid rice: speculation on the genetic and biochemical mechanisms. <i>Current Opinion in Plant Biology</i> , 2013, 16, 221-227.	3.5	68
98	OsBC1L4 encodes a COBRA-like protein that affects cellulose synthesis in rice. <i>Plant Molecular Biology</i> , 2011, 75, 333-345.	2.0	67
99	Pathotypes of <i>Pyricularia grisea</i> in Rice Fields of Central and Southern China. <i>Plant Disease</i> , 2001, 85, 843-850.	0.7	66
100	Mutation of the rice gene <i>PAIR3</i> results in lack of bivalent formation in meiosis. <i>Plant Journal</i> , 2009, 59, 303-315.	2.8	64
101	Aspartic proteases gene family in rice: Gene structure and expression, predicted protein features and phylogenetic relation. <i>Gene</i> , 2009, 442, 108-118.	1.0	63
102	Genetic basis of low-temperature-sensitive sterility in indica-japonica hybrids of rice as determined by RFLP analysis. <i>Theoretical and Applied Genetics</i> , 1997, 95, 1092-1097.	1.8	59
103	How Can We Use Genomics to Improve Cereals with Rice as a Reference Genome?. <i>Plant Molecular Biology</i> , 2005, 59, 7-26.	2.0	59
104	Sequence and expression analysis of the C3HC4-type RING finger gene family in rice. <i>Gene</i> , 2009, 444, 33-45.	1.0	59
105	Genetic and molecular characterization of photoperiod and thermo-sensitive male sterility in rice. <i>Plant Reproduction</i> , 2018, 31, 3-14.	1.3	59
106	Sequence and expression analysis of the thioredoxin protein gene family in rice. <i>Molecular Genetics and Genomics</i> , 2008, 280, 139-51.	1.0	58
107	Advances in the understanding of inter-subspecific hybrid sterility and wide-compatibility in rice. <i>Science Bulletin</i> , 2009, 54, 2332-2341.	1.7	55
108	Title is missing!. <i>Molecular Breeding</i> , 1998, 4, 129-136.	1.0	54

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109	Mapping and Genetic Analysis of the Genes for Photoperiod-sensitive Genic Male Sterility in Rice Using the Original Mutant Nongken 58S. <i>Crop Science</i> , 1999, 39, 1711-1715.	0.8	54
110	Delimitation of the rice wide compatibility gene S5 n to a 40-kb DNA fragment. <i>Theoretical and Applied Genetics</i> , 2005, 111, 1080-1086.	1.8	53
111	Genomic Breeding of Green Super Rice Varieties and Their Deployment in Asia and Africa. <i>Theoretical and Applied Genetics</i> , 2020, 133, 1427-1442.	1.8	53
112	OsAP65, a rice aspartic protease, is essential for male fertility and plays a role in pollen germination and pollen tube growth. <i>Journal of Experimental Botany</i> , 2013, 64, 3351-3360.	2.4	52
113	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.	3.3	52
114	Identification of an 85-kb DNA fragment containing pms1, a locus for photoperiod-sensitive genic male sterility in rice. <i>Molecular Genetics and Genomics</i> , 2001, 266, 271-275.	1.0	49
115	Genetic Components of Heterosis for Seedling Traits in an Elite Rice Hybrid Analyzed Using an Immortalized F2 Population. <i>Journal of Genetics and Genomics</i> , 2016, 43, 87-97.	1.7	49
116	Effect of Transgenic <i>Bacillus thuringiensis</i> Rice Lines on Mortality and Feeding Behavior of Rice Stem Borers (Lepidoptera: Crambidae). <i>Journal of Economic Entomology</i> , 2008, 101, 182-189.	0.8	48
117	The ankyrin repeat gene family in rice: genome-wide identification, classification and expression profiling. <i>Plant Molecular Biology</i> , 2009, 71, 207-226.	2.0	47
118	Molecular analyses of the rice glutamate dehydrogenase gene family and their response to nitrogen and phosphorous deprivation. <i>Plant Cell Reports</i> , 2009, 28, 1115-1126.	2.8	47
119	Heterosis in Rice Seedlings: Its Relationship to Gibberellin Content and Expression of Gibberellin Metabolism and Signaling Genes. <i>Plant Physiology</i> , 2011, 156, 1905-1920.	2.3	47
120	Review and prospect of transgenic rice research. <i>Science Bulletin</i> , 2009, 54, 4049-4068.	1.7	46
121	Structural Insight into DNA Recognition by CCT/NF-YB/YC Complexes in Plant Photoperiodic Flowering. <i>Plant Cell</i> , 2020, 32, 3469-3484.	3.1	46
122	From Green Super Rice to green agriculture: Reaping the promise of functional genomics research. <i>Molecular Plant</i> , 2022, 15, 9-26.	3.9	44
123	The RING E3 ligase CLG1 targets GS3 for degradation via the endosome pathway to determine grain size in rice. <i>Molecular Plant</i> , 2021, 14, 1699-1713.	3.9	41
124	Male and female gamete abortions, and reduced affinity between the uniting gametes as the causes for sterility in an indica/japonica hybrid in rice. <i>Sexual Plant Reproduction</i> , 2004, 17, 55.	2.2	40
125	Features of the expressed sequences revealed by a large-scale analysis of ESTs from a normalized cDNA library of the elite indica rice cultivar Minghui 63. <i>Plant Journal</i> , 2005, 42, 772-780.	2.8	39
126	Fine mapping of f5-Du, a gene conferring wide-compatibility for pollen fertility in inter-subspecific hybrids of rice (<i>Oryza sativa</i> L.). <i>Theoretical and Applied Genetics</i> , 2006, 112, 382-387.	1.8	38

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127	<i>cis</i> -directed cleavage and nonstoichiometric abundances of 21 nucleotide reproductive phased small interfering RNA in grasses. <i>New Phytologist</i> , 2018, 220, 865-877.	3.5	38
128	Stacking S5-n and f5-n to overcome sterility in indica-japonica hybrid rice. <i>Theoretical and Applied Genetics</i> , 2016, 129, 563-575.	1.8	37
129	The defense-responsive genes showing enhanced and repressed expression after pathogen infection in rice (<i>Oryza sativa</i> L.). <i>Science in China Series C: Life Sciences</i> , 2002, 45, 449.	1.3	35
130	Bract suppression regulated by the miR156/529-SPLs-NL1-PLA1 module is required for the transition from vegetative to reproductive branching in rice. <i>Molecular Plant</i> , 2021, 14, 1168-1184.	3.9	35
131	Building two indica rice reference genomes with PacBio long-read and Illumina paired-end sequencing data. <i>Scientific Data</i> , 2016, 3, 160076.	2.4	34
132	Establishment of a patterned GAL4-VP16 transactivation system for discovering gene function in rice. <i>Plant Journal</i> , 2006, 46, 1059-1072.	2.8	33
133	Complex evolution of <i>S5</i> , a major reproductive barrier regulator, in the cultivated rice <i>Oryza sativa</i> and its wild relatives. <i>New Phytologist</i> , 2011, 191, 275-287.	3.5	33
134	Three representative inter and intra-subspecific crosses reveal the genetic architecture of reproductive isolation in rice. <i>Plant Journal</i> , 2017, 92, 349-362.	2.8	33
135	Parental variation in CHG methylation is associated with allelic-specific expression in elite hybrid rice. <i>Plant Physiology</i> , 2021, 186, 1025-1041.	2.3	31
136	pms3 is the locus causing the original photoperiod-sensitive male sterility mutation of <i>Nongken 58S</i> . <i>Science in China Series C: Life Sciences</i> , 1999, 42, 316-322.	1.3	30
137	Comprehensive sequence and expression profile analysis of PEX11 gene family in rice. <i>Gene</i> , 2008, 412, 59-70.	1.0	29
138	Molecular characterization, expression pattern, and function analysis of the OsBC1L family in rice. <i>Plant Molecular Biology</i> , 2009, 71, 469-481.	2.0	29
139	Rice functional genomics research in China. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007, 362, 1009-1021.	1.8	28
140	Identification and confirmation of three neutral alleles conferring wide compatibility in inter-subspecific hybrids of rice (<i>Oryza sativa</i> L.) using near-isogenic lines. <i>Theoretical and Applied Genetics</i> , 2005, 111, 702-710.	1.8	26
141	The molecular and evolutionary basis of reproductive isolation in plants. <i>Journal of Genetics and Genomics</i> , 2018, 45, 613-620.	1.7	26
142	Transcriptomic analysis of rice responses to low phosphorus stress. <i>Science Bulletin</i> , 2010, 55, 251-258.	1.7	25
143	Co-suppressed glutamine synthetase2 gene modifies nitrogen metabolism and plant growth in rice. <i>Science Bulletin</i> , 2010, 55, 823-833.	1.7	25
144	Analysis of rice genes induced by striped stemborer (<i>Chilo suppressalis</i>) attack identified a promoter fragment highly specifically responsive to insect feeding. <i>Plant Molecular Biology</i> , 2007, 65, 519-530.	2.0	24

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145	RICD: A rice indica cDNA database resource for rice functional genomics. BMC Plant Biology, 2008, 8, 118.	1.6	24
146	Purple Tomatoes, Black Rice and Food Security. Nature Reviews Genetics, 2021, 22, 414-414.	7.7	24
147	Dynamic Intra-Japonica Subspecies Variation and Resource Application. Molecular Plant, 2012, 5, 218-230.	3.9	23
148	Extraordinarily polymorphic ribosomal DNA in wild and cultivated rice. Genome, 1996, 39, 1109-1116.	0.9	22
149	Processes Underlying a Reproductive Barrier in <i>indica</i> - <i>japonica</i> Rice Hybrids Revealed by Transcriptome Analysis. Plant Physiology, 2017, 174, 1683-1696.	2.3	22
150	Understanding the genetic and molecular constitutions of heterosis for developing hybrid rice. Journal of Genetics and Genomics, 2022, 49, 385-393.	1.7	22
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