

Qifa Zhang

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.

166
papers

19,772
citations

74
h-index

139
g-index

176
ext. papers

23,983
ext. citations

8.9
avg, IF

6.67
L-index

#	Paper	IF	Citations
166	From Green Super Rice to green agriculture: reaping the promise of functional genomics research. <i>Molecular Plant</i> , 2021 ,	14.4	3
165	Purple Tomatoes, Black Rice and Food Security. <i>Nature Reviews Genetics</i> , 2021 , 22, 414	30.1	7
164	Designing Future Crops: Genomics-Assisted Breeding Comes of Age. <i>Trends in Plant Science</i> , 2021 , 26, 631-649	13.1	68
163	Two gap-free reference genomes and a global view of the centromere architecture in rice. <i>Molecular Plant</i> , 2021 , 14, 1757-1767	14.4	15
162	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	14.4	8
161	Parental variation in CHG methylation is associated with allelic-specific expression in elite hybrid rice. <i>Plant Physiology</i> , 2021 , 186, 1025-1041	6.6	4
160	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	14.4	5
159	Integrative analysis of reference epigenomes in 20 rice varieties. <i>Nature Communications</i> , 2020 , 11, 26581-26591	17.4	25
158	Artificial Selection in Domestication and Breeding Prevents Speciation in Rice. <i>Molecular Plant</i> , 2020 , 13, 650-657	14.4	4
157	5Gs for crop genetic improvement. <i>Current Opinion in Plant Biology</i> , 2020 , 56, 190-196	9.9	64
156	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	11.5	21
155	Genomic Breeding of Green Super Rice Varieties and Their Deployment in Asia and Africa. <i>Theoretical and Applied Genetics</i> , 2020 , 133, 1427-1442	6	19
154	Structural Insight into DNA Recognition by CCT/NF-YB/YC Complexes in Plant Photoperiodic Flowering. <i>Plant Cell</i> , 2020 , 32, 3469-3484	11.6	13
153	Hybrid breeding of rice via genomic selection. <i>Plant Biotechnology Journal</i> , 2020 , 18, 57-67	11.6	49
152	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	11.5	45
151	Chromatin loops associated with active genes and heterochromatin shape rice genome architecture for transcriptional regulation. <i>Nature Communications</i> , 2019 , 10, 3640	17.4	39
150	Mapping quantitative trait loci using binned genotypes. <i>Journal of Genetics and Genomics</i> , 2019 , 46, 343-352	15.2	1

149	A G-protein pathway determines grain size in rice. <i>Nature Communications</i> , 2018 , 9, 851	17.4	91
148	Rice Functional Genomics Research: Past Decade and Future. <i>Molecular Plant</i> , 2018 , 11, 359-380	14.4	75
147	Cis-directed cleavage and nonstoichiometric abundances of 21-nucleotide reproductive phased small interfering RNAs in grasses. <i>New Phytologist</i> , 2018 , 220, 865-877	9.8	22
146	Genetic and molecular characterization of photoperiod and thermo-sensitive male sterility in rice. <i>Plant Reproduction</i> , 2018 , 31, 3-14	3.9	38
145	The rice genome revolution: from an ancient grain to Green Super Rice. <i>Nature Reviews Genetics</i> , 2018 , 19, 505-517	30.1	135
144	The molecular and evolutionary basis of reproductive isolation in plants. <i>Journal of Genetics and Genomics</i> , 2018 , 45, 613-620	4	11
143	Processes Underlying a Reproductive Barrier in - Rice Hybrids Revealed by Transcriptome Analysis. <i>Plant Physiology</i> , 2017 , 174, 1683-1696	6.6	13
142	Boosting Rice Yield by Fine-Tuning SPL Gene Expression. <i>Trends in Plant Science</i> , 2017 , 22, 643-646	13.1	36
141	Three representative inter and intra-subspecific crosses reveal the genetic architecture of reproductive isolation in rice. <i>Plant Journal</i> , 2017 , 92, 349-362	6.9	14
140	Extensive sequence divergence between the reference genomes of two elite indica rice varieties Zhenshan 97 and Minghui 63. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E5163-71	11.5	141
139	Allelic diversity in an NLR gene 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	11.5	120
138	Building two indica rice reference genomes with PacBio long-read and Illumina paired-end sequencing data. <i>Scientific Data</i> , 2016 , 3, 160076	8.2	19
137	Stacking S5-n and f5-n to overcome sterility in indica-japonica hybrid rice. <i>Theoretical and Applied Genetics</i> , 2016 , 129, 563-75	6	23
136	Metabolomic prediction of yield in hybrid rice. <i>Plant Journal</i> , 2016 , 88, 219-227	6.9	77
135	PMS1T, producing phased small-interfering RNAs, regulates photoperiod-sensitive male sterility in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 15144-15149	11.5	133
134	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	4	12
133	Origination and Establishment of a Trigenic Reproductive Isolation System in Rice. <i>Molecular Plant</i> , 2016 , 9, 1542-1545	14.4	14
132	Differential expression of GS5 regulates grain size in rice. <i>Journal of Experimental Botany</i> , 2015 , 66, 2611-2623	17.23	72

131	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	11.5	116
130	Coordinated regulation of vegetative and reproductive branching in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 15504-9	11.5	156
129	Genetic basis of sRNA quantitative variation analyzed using an experimental population derived from an elite rice hybrid. <i>ELife</i> , 2015 , 4, e04250	8.9	7
128	A whole-genome SNP array (RICE6K) for genomic breeding in rice. <i>Plant Biotechnology Journal</i> , 2014 , 12, 28-37	11.6	120
127	Comparative BAC-based physical mapping of <i>Oryza sativa</i> ssp. <i>indica</i> var. 93-11 and evaluation of the two rice reference sequence assemblies. <i>Plant Journal</i> , 2014 , 77, 795-805	6.9	14
126	Combining high-throughput phenotyping and genome-wide association studies to reveal natural genetic variation in rice. <i>Nature Communications</i> , 2014 , 5, 5087	17.4	316
125	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, 12456-61	11.5	144
124	Global genomic diversity of <i>Oryza sativa</i> varieties revealed by comparative physical mapping. <i>Genetics</i> , 2014 , 196, 937-49	4	9
123	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, 1069-79	7.9	45
122	A high-density SNP genotyping array for rice biology and molecular breeding. <i>Molecular Plant</i> , 2014 , 7, 541-53	14.4	168
121	Understanding a key gene for thermosensitive genic male sterility in rice. <i>Science China Life Sciences</i> , 2014 , 57, 1241-2	8.5	4
120	Grain number, plant height, and heading date7 is a central regulator of growth, development, and stress response. <i>Plant Physiology</i> , 2014 , 164, 735-47	6.6	130
119	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, 3351-60	7	35
118	Mutant resources for the functional analysis of the rice genome. <i>Molecular Plant</i> , 2013 , 6, 596-604	14.4	84
117	Heterosis in elite hybrid rice: speculation on the genetic and biochemical mechanisms. <i>Current Opinion in Plant Biology</i> , 2013 , 16, 221-7	9.9	49
116	Understanding reproductive isolation based on the rice model. <i>Annual Review of Plant Biology</i> , 2013 , 64, 111-35	30.7	75
115	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, 20320-5	11.5	131
114	Heterosis 2013 , 255-268		

113	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	6.9	59
112	A killer-protector system regulates both hybrid sterility and segregation distortion in rice. <i>Science</i> , 2012 , 337, 1336-40	33.3	179
111	RNA-directed DNA methylation is involved in regulating photoperiod-sensitive male sterility in rice. <i>Molecular Plant</i> , 2012 , 5, 1210-6	14.4	96
110	Rice functional genomics research: progress and implications for crop genetic improvement. <i>Biotechnology Advances</i> , 2012 , 30, 1059-70	17.8	83
109	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	3.7	37
108	Dynamic intra-japonica subspecies variation and resource application. <i>Molecular Plant</i> , 2012 , 5, 218-30	14.4	21
107	Genetic composition of yield heterosis in an elite rice hybrid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 15847-52	11.5	151
106	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, 5773-8	11.5	75
105	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, 2654-9	11.5	412
104	Natural variation in GS5 plays an important role in regulating grain size and yield in rice. <i>Nature Genetics</i> , 2011 , 43, 1266-9	36.3	581
103	Complex evolution of S5, 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	9.8	27
102	OsBC1L4 encodes a COBRA-like protein that affects cellulose synthesis in rice. <i>Plant Molecular Biology</i> , 2011 , 75, 333-45	4.6	50
101	Rice APOPTOSIS INHIBITOR5 coupled with two DEAD-box adenosine 5'-triphosphate-dependent RNA helicases regulates tapetum degeneration. <i>Plant Cell</i> , 2011 , 23, 1416-34	11.6	106
100	Heterosis in rice seedlings: its relationship to gibberellin content and expression of gibberellin metabolism and signaling genes. <i>Plant Physiology</i> , 2011 , 156, 1905-20	6.6	31
99	Gains in QTL detection using an ultra-high density SNP map based on population sequencing relative to traditional RFLP/SSR markers. <i>PLoS ONE</i> , 2011 , 6, e17595	3.7	192
98	A dynamic gene expression atlas covering the entire life cycle of rice. <i>Plant Journal</i> , 2010 , 61, 752-66	6.9	272
97	A global analysis of QTLs for expression variations in rice shoots at the early seedling stage. <i>Plant Journal</i> , 2010 , 63, 1063-74	6.9	52
96	Parent-independent genotyping for constructing an ultrahigh-density linkage map based on population sequencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 10578-83	11.5	238

95	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, 19579-84	11.5	429
94	Genetic and molecular bases of rice yield. <i>Annual Review of Plant Biology</i> , 2010 , 61, 421-42	30.7	532
93	Transcriptomic analysis of rice responses to low phosphorus stress. <i>Science Bulletin</i> , 2010 , 55, 251-258		21
92	Co-suppressed glutamine synthetase2 gene modifies nitrogen metabolism and plant growth in rice. <i>Science Bulletin</i> , 2010 , 55, 823-833		20
91	Hybrid sterility in plant: stories from rice. <i>Current Opinion in Plant Biology</i> , 2010 , 13, 186-92	9.9	69
90	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, 2162-73	6.6	61
89	Mutant resources in rice for functional genomics of the grasses. <i>Plant Physiology</i> , 2009 , 149, 165-70	6.6	138
88	FLEXIBLE CULM 1 encoding a cinnamyl-alcohol dehydrogenase controls culm mechanical strength in rice. <i>Plant Molecular Biology</i> , 2009 , 69, 685-97	4.6	96
87	Comprehensive sequence and expression profile analysis of Hsp20 gene family in rice. <i>Plant Molecular Biology</i> , 2009 , 70, 341-57	4.6	73
86	The ankyrin repeat gene family in rice: genome-wide identification, classification and expression profiling. <i>Plant Molecular Biology</i> , 2009 , 71, 207-26	4.6	30
85	Molecular characterization, expression pattern, and function analysis of the OsBC1L family in rice. <i>Plant Molecular Biology</i> , 2009 , 71, 469-81	4.6	22
84	Advances in the understanding of inter-subspecific hybrid sterility and wide-compatibility in rice. <i>Science Bulletin</i> , 2009 , 54, 2332-2341		41
83	Review and prospect of transgenic rice research. <i>Science Bulletin</i> , 2009 , 54, 4049-4068		31
82	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, 1381-90	6	89
81	Single feature polymorphisms between two rice cultivars detected using a median polish method. <i>Theoretical and Applied Genetics</i> , 2009 , 119, 151-64	6	13
80	Overexpressed glutamine synthetase gene modifies nitrogen metabolism and abiotic stress responses in rice. <i>Plant Cell Reports</i> , 2009 , 28, 527-37	5.1	151
79	Molecular analyses of the rice glutamate dehydrogenase gene family and their response to nitrogen and phosphorous deprivation. <i>Plant Cell Reports</i> , 2009 , 28, 1115-26	5.1	41
78	Mutation of the rice gene PAIR3 results in lack of bivalent formation in meiosis. <i>Plant Journal</i> , 2009 , 59, 303-15	6.9	54

77	Aspartic proteases gene family in rice: Gene structure and expression, predicted protein features and phylogenetic relation. <i>Gene</i> , 2009 , 442, 108-18	3.8	49
76	Sequence and expression analysis of the C3HC4-type RING finger gene family in rice. <i>Gene</i> , 2009 , 444, 33-45	3.8	50
75	Natural variation in Ghd7 is an important regulator of heading date and yield potential in rice. <i>Nature Genetics</i> , 2008 , 40, 761-7	36.3	1221
74	RICD: a rice indica cDNA database resource for rice functional genomics. <i>BMC Plant Biology</i> , 2008 , 8, 1185-3	5.3	22
73	Comprehensive sequence and expression profile analysis of PEX11 gene family in rice. <i>Gene</i> , 2008 , 412, 59-70	3.8	19
72	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	2.2	47
71	Rice 2020: a call for an international coordinated effort in rice functional genomics. <i>Molecular Plant</i> , 2008 , 1, 715-9	14.4	95
70	RID1, encoding a Cys2/His2-type zinc finger transcription factor, acts as a master switch from vegetative to floral development in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 12915-20	11.5	166
69	A triallelic system of S5 is a major regulator of the reproductive barrier and compatibility of indica-japonica hybrids in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 11436-41	11.5	211
68	Rice Genome Research: Current Status and Future Perspectives. <i>Plant Genome</i> , 2008 , 1,	4.4	5
67	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, 789-96	6	76
66	Sequence and expression analysis of the thioredoxin protein gene family in rice. <i>Molecular Genetics and Genomics</i> , 2008 , 280, 139-51	3.1	51
65	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	3.1	86
64	Non-random distribution of T-DNA insertions at various levels of the genome hierarchy as revealed by analyzing 13 804 T-DNA flanking sequences from an enhancer-trap mutant library. <i>Plant Journal</i> , 2007 , 49, 947-59	6.9	98
63	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, 463-76	6	120
62	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	3.4	40
61	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, 519-30	4.6	15
60	Rapid genome evolution in Pms1 region of rice revealed by comparative sequence analysis. <i>Science Bulletin</i> , 2007 , 52, 912-921		2

59	Strategies for developing Green Super Rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 16402-9	11.5	526
58	Rice functional genomics research in China. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007 , 362, 1009-21	5.8	23
57	The rice YABBY1 gene is involved in the feedback regulation of gibberellin metabolism. <i>Plant Physiology</i> , 2007 , 144, 121-33	6.6	111
56	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, 382-7	6	32
55	Targeting xa13, a recessive gene for bacterial blight resistance in rice. <i>Theoretical and Applied Genetics</i> , 2006 , 112, 455-61	6	133
54	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, 1164-71	6	938
53	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, 361-8	6	71
52	Comparative analysis of gene expression at early seedling stage between a rice hybrid and its parents using a cDNA microarray of 9198 uni-sequences. <i>Science in China Series C: Life Sciences</i> , 2006 , 49, 519-29		8
51	RMD: a rice mutant database for functional analysis of the rice genome. <i>Nucleic Acids Research</i> , 2006 , 34, D745-8	20.1	171
50	Promoter mutations of an essential gene for pollen development result in disease resistance in rice. <i>Genes and Development</i> , 2006 , 20, 1250-5	12.6	363
49	Genetic basis of drought resistance at reproductive stage in rice: separation of drought tolerance from drought avoidance. <i>Genetics</i> , 2006 , 172, 1213-28	4	292
48	Plant nutriomics in China: an overview. <i>Annals of Botany</i> , 2006 , 98, 473-82	4.1	121
47	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, 12987-92	11.5	1133
46	Establishment of a patterned GAL4-VP16 transactivation system for discovering gene function in rice. <i>Plant Journal</i> , 2006 , 46, 1059-72	6.9	29
45	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, 617-31	4.6	151
44	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, 579-91	4.6	91
43	Development of insect-resistant transgenic indica rice with a synthetic cry1C* gene. <i>Molecular Breeding</i> , 2006 , 18, 1-10	3.4	163
42	Isolation and annotation of 10828 putative full length cDNAs from indica rice. <i>Science in China Series C: Life Sciences</i> , 2005 , 48, 445-51		16

41	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, 772-80	6.9	39
40	Optimising the tissue culture conditions for high efficiency transformation of indica rice. <i>Plant Cell Reports</i> , 2005 , 23, 540-7	5.1	261
39	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, 205-11	6	61
38	Delimitation of the rice wide compatibility gene S5 (n) to a 40-kb DNA fragment. <i>Theoretical and Applied Genetics</i> , 2005 , 111, 1080-6	6	47
37	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, 1330-7 ⁶		167
36	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	6	107
35	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, 1445-52	6	129
34	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, 702-10	6	21
33	How can we use genomics to improve cereals with rice as a reference genome?. <i>Plant Molecular Biology</i> , 2005 , 59, 7-26	4.6	51
32	A Diagnostic Analysis of Genetic Differentiation Among Subpopulations of a Barley Composite Cross Using Isozyme Markers. <i>Hereditas</i> , 2004 , 118, 63-70	2.4	2
31	RFLPs in Cultivated Barley and Their Application in the Evaluation of Malting Quality Cultivars. <i>Hereditas</i> , 2004 , 121, 21-29	2.4	5
30	Rice mutant resources for gene discovery. <i>Plant Molecular Biology</i> , 2004 , 54, 325-34	4.6	185
29	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		36
28	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, 517-27	6.9	366
27	Development of enhancer trap lines for functional analysis of the rice genome. <i>Plant Journal</i> , 2003 , 35, 418-27	6.9	210
26	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, 2544-9	11.5	111
25	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, 2574-9	11.5	300
24	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	6	98

23	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, 750-4	3.8	109
22	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, 449-67		31
21	Development and mapping of 2240 new SSR markers for rice (<i>Oryza sativa</i> L.). <i>DNA Research</i> , 2002 , 9, 199-207	4.5	1009
20	Genetic dissection of an elite rice hybrid revealed that heterozygotes are not always advantageous for performance. <i>Genetics</i> , 2002 , 162, 1885-95	4	188
19	Pathotypes of <i>Pyricularia grisea</i> in Rice Fields of Central and Southern China. <i>Plant Disease</i> , 2001 , 85, 843-850	1.5	56
18	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, 271-5	3.1	43
17	Separation of the two-locus inheritance of photoperiod sensitive genic male sterility in rice and precise mapping the pms3 locus. <i>Euphytica</i> , 2001 , 119, 343-348	2.1	13
16	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	6	69
15	Genetic bases of appearance quality of rice grains in Shanyou 63, an elite rice hybrid. <i>Theoretical and Applied Genetics</i> , 2000 , 101, 823-829	6	215
14	Field performance of transgenic elite commercial hybrid rice expressing bacillus thuringiensis delta-endotoxin. <i>Nature Biotechnology</i> , 2000 , 18, 1101-4	44.5	356
13	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	2.4	148
12	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	2.4	43
11	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, 642-8	6	226
10	pms3 is the locus causing the original photoperiod-sensitive male sterility mutation of 'Nongken 58S'. <i>Science in China Series C: Life Sciences</i> , 1999 , 42, 316-22		22
9	Relationships of differential gene expression in leaves with heterosis and heterozygosity in a rice diallel cross. <i>Molecular Breeding</i> , 1998 , 4, 129-136	3.4	40
8	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	6	56
7	Extraordinarily polymorphic ribosomal DNA in wild and cultivated rice. <i>Genome</i> , 1996 , 39, 1109-16	2.4	21
6	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	2.1	54

5	Molecular marker heterozygosity and hybrid performance in indica and japonica rice. <i>Theoretical and Applied Genetics</i> , 1996 , 93, 1218-24	6	90
4	Molecular marker heterozygosity and hybrid performance in indica and japonica rice 1996 , 93, 1218		15
3	Molecular divergence and hybrid performance in rice. <i>Molecular Breeding</i> , 1995 , 1, 133-142	3.4	64
2	Comparative analysis of microsatellite DNA polymorphism in landraces and cultivars of rice. <i>Molecular Genetics and Genomics</i> , 1994 , 245, 187-94		144
1	Genetic diversity and differentiation of indica and japonica rice detected by RFLP analysis. <i>Theoretical and Applied Genetics</i> , 1992 , 83, 495-9	6	190