Jie-Yun Zhuang

List of Publications by Year
in descending order

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82 papers	3,059 citations	236925 25 h-index	168389 53 g-index
83 all docs	83 docs citations	83 times ranked	2277 citing authors

#	Article	IF	Citations
1	Control of Thousand-Grain Weight by OsMADS56 in Rice. International Journal of Molecular Sciences, 2022, 23, 125.	4.1	12
2	Genetic Association between Blast Resistance and Yield Traits in Rice Detected Using a High-Density Bin Map. Agronomy, 2022, 12, 1173.	3.0	1
3	Identification through fine mapping and verification using CRISPR/Cas9-targeted mutagenesis for a minor QTL controlling grain weight in rice. Theoretical and Applied Genetics, 2021, 134, 327-337.	3.6	17
4	Identification and Verification of Quantitative Trait Loci Affecting Milling Yield of Rice. Agronomy, 2020, 10, 75.	3.0	12
5	Genetic mapping of ionomic quantitative trait loci in rice grain and straw reveals OsMOT1;1 as the putative causal gene for a molybdenum QTL qMo8. Molecular Genetics and Genomics, 2020, 295, 391-407.	2.1	20
6	Pleiotropic Effects of Rice Florigen Gene RFT1 on the Amino Acid Content of Unmilled Rice. Frontiers in Genetics, 2020, 11, 13.	2.3	7
7	Identification and Validation of Quantitative Trait Loci for Grain Number in Rice (Oryza sativa L.). Agronomy, 2020, 10, 180.	3.0	11
8	Fine-mapping of qTGW2, a quantitative trait locus for grain weight in rice (Oryza sativa) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.6	9
9	Identification and verification of quantitative trait loci for eating and cooking quality of rice (Oryza) Tj ETQq1 1 0.784314 rgBT /Overlo	1.9	4
10	Fine mapping of qTGW10-20.8, a QTL having important contribution to grain weight variation in rice. Crop Journal, 2019, 7, 587-597.	5.2	15
11	Importance of the Interaction between Heading Date Genes Hd1 and Ghd7 for Controlling Yield Traits in Rice. International Journal of Molecular Sciences, 2019, 20, 516.	4.1	16
12	Dissection of three quantitative trait loci for grain size on the long arm of chromosome 10 in rice (Oryza sativa L.). PeerJ, 2019, 7, e6966.	2.0	7
13	Minor-effect QTL for heading date detected in crosses between indica rice cultivar Teqing and near isogenic lines of IR24. Crop Journal, 2018, 6, 291-298.	5.2	11
14	Assessment and genetic analysis of heavy metal content in rice grain using an Oryza sativa Ã— O. rufipogon backcross inbred line population. Journal of the Science of Food and Agriculture, 2018, 98, 1339-1345.	3.5	6
15	Dissection and fine-mapping of two QTL for grain size linked in a 460-kb region on chromosome 1 of rice. Rice, 2018, 11, 44.	4.0	28
16	Natural variation at qHd1 affects heading date acceleration at high temperatures with pleiotropism for yield traits in rice. BMC Plant Biology, 2018, 18, 112.	3.6	27
17	Validation of qGS10 , a quantitative trait locus for grain size on the long arm of chromosome 10 in rice (Oryza sativa L.). Journal of Integrative Agriculture, 2017, 16, 16-26.	3.5	17
18	Genome-wide association study of outcrossing in cytoplasmic male sterile lines of rice. Scientific Reports, 2017, 7, 3223.	3.3	13

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19	Rice Flowering Locus T 1 plays an important role in heading date influencing yield traits in rice. Scientific Reports, 2017, 7, 4918.	3.3	36
20	Detection of QTLs for Yield Heterosis in Rice Using a RIL Population and Its Testcross Population. International Journal of Genomics, 2016, 2016, 1-9.	1.6	14
21	Dissection of the qTGW1.1 region into two tightly-linked minor QTLs having stable effects for grain weight in rice. BMC Genetics, 2016, 17, 98.	2.7	34
22	Effects ofHd2in the presence of the photoperiod-insensitive functional allele ofHd1in rice. Biology Open, 2016, 5, 1719-1726.	1.2	12
23	Mapping QTLs for mineral element contents in brown and milled rice using anOryza sativaÃ—O. rufipogonbackcross inbred line population. Cereal Research Communications, 2016, 44, 57-68.	1.6	43
24	Mapping of qTGW1.1, a Quantitative Trait Locus for 1000-Grain Weight in Rice (Oryza sativa L.). Rice Science, 2015, 22, 9-15.	3.9	4
25	Mapping of Quantitative Trait Loci for Contents of Macro- and Microelements in Milled Rice (Oryza) Tj ETQq1 1 0.784314 rgBT /Ov	5.2	21
26	Dissection of qTGW1.2 to three QTLs for grain weight and grain size in rice (Oryza sativa L.). Euphytica, 2015, 202, 119-127.	1.2	16
27	Genome-wide polymorphisms between the parents of an elite hybrid rice and the development of a novel set of PCR-based InDel markers. Genetics and Molecular Research, 2015, 14, 3209-3222.	0.2	3
28	Fine mapping of qHd1, a minor heading date QTL with pleiotropism for yield traits in rice (Oryza sativa) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.6	51
29	Genetic diversity and structure of improvedindicarice germplasm. Plant Genetic Resources: Characterisation and Utilisation, 2014, 12, 248-254.	0.8	5
30	Genome-Wide Analysis of MicroRNAs and Their Target Genes Related to Leaf Senescence of Rice. PLoS ONE, 2014, 9, e114313.	2.5	51
31	Quantitative Trait Loci for Heading Date and Their Relationship with Genetic Control of Yield Traits in Rice (Oryza sativa). Rice Science, 2013, 20, 1-12.	3.9	18
32	Quantitative Trait Loci for Grain Chalkiness and Endosperm Transparency Detected in Three Recombinant Inbred Line Populations of Indica Rice. Journal of Integrative Agriculture, 2013, 12, 1-11.	3.5	26
33	Dissection of two quantitative trait loci for grain weight linked in repulsion on the long arm of chromosome 1 of rice (Oryza sativa L.). Crop Journal, 2013, 1, 70-76.	5.2	9
34	Breeding of R8012, a Rice Restorer Line Resistant to Blast and Bacterial Blight Through Marker-Assisted Selection. Rice Science, 2012, 19, 29-35.	3.9	20
35	Analysis of Quantitative Trait Loci for Resistance to Brown Planthopper in Dongxiang Wild Rice (Oryza rufipogon Griff.). Acta Agronomica Sinica, 2012, 38, 210-214.	0.3	7
36	Fine mapping of a major quantitative trait locus, qFLL6.2, controlling flag leaf length and yield traits in rice (Oryza sativa L.). Euphytica, 2012, 184, 57-64.	1.2	14

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37	Pleiotropism of the Photoperiod-Insensitive Allele of Hd1 on Heading Date, Plant Height and Yield Traits in Rice. PLoS ONE, 2012, 7, e52538.	2.5	62
38	A Pid3 allele from rice cultivar Gumei2 confers resistance to Magnaporthe oryzae. Journal of Genetics and Genomics, 2011, 38, 209-216.	3.9	96
39	Mapping of quantitative trait loci for fiber and lignin contents from an interspecific cross Oryza sativa Â— Oryza rufipogon. Journal of Zhejiang University: Science B, 2011, 12, 518-526.	2.8	9
40	Quantitative Trait Loci for Yield Traits Located Between Hd3a and Hd1 on Short Arm of Chromosome 6 in Rice. Rice Science, 2011, 18, 257-264.	3.9	1
41	Validation and dissection of quantitative trait loci for leaf traits in interval RM4923-RM402 on the short arm of rice chromosome 6. Journal of Genetics, 2011, 90, 39-44.	0.7	16
42	Fine mapping of qHUS6.1, a quantitative trait locus for silicon content in rice (Oryza sativa L.). Science Bulletin, 2010, 55, 3283-3287.	1.7	5
43	Genetic diversity associated with conservation of endangered Dongxiang wild rice (Oryza rufipogon). Genetic Resources and Crop Evolution, 2010, 57, 597-609.	1.6	52
44	QTL analysis for heading date and yield traits using recombinant inbred lines of indica rice grown in different cropping seasons. Plant Breeding, 2010, 129, 676-682.	1.9	10
45	Identification of quantitative trait loci for resistance to whitebacked planthopper, Sogatella furcifera, from an interspecific cross Oryza sativa * O. rufipogon. Breeding Science, 2010, 60, 153-159.	1.9	35
46	Identification and Expression of Genes Involved in Race-Specific Blast Resistance in Rice. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	0
47	Mapping of qGL7-2, a grain length QTL on chromosome 7 of rice. Journal of Genetics and Genomics, 2010, 37, 523-531.	3.9	46
48	Quantitative Trait Loci for Panicle Size and Grain Yield Detected in Interval RM111-RM19 784 on the Short Arm of Rice Chromosome 6. Agricultural Sciences in China, 2010, 9, 1085-1092.	0.6	4
49	Dissection of QTLs for Hull Silicon Content on the Short Arm of Rice Chromosome 6. Rice Science, 2010, 17, 99-104.	3.9	1
50	Genetic relationship between grain yield and the contents of protein and fat in a recombinant inbred population of rice. Journal of Cereal Science, 2009, 50, 121-125.	3.7	61
51	Mapping of QTLs for Leaf Malondialdehyde Content Associated with Stress Tolerance in Rice. Rice Science, 2009, 16, 72-74.	3.9	25
52	Validating a segment on the short arm of chromosome 6 responsible for genetic variation in the hull silicon content and yield traits of rice. Euphytica, 2008, 160, 317-324.	1.2	36
53	Genetic dissection of a thousand-grain weight quantitative trait locus on rice chromosome 1. Science Bulletin, 2008, 53, 2326-2332.	9.0	21
54	Dissection of QTLs for Yield Traits on the Short Arm of Rice Chromosome 6. Agricultural Sciences in China, 2008, 7, 513-520.	0.6	13

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55	Fine Mapping of C (Chromogen for Anthocyanin) Gene in Rice. Rice Science, 2008, 15, 1-6.	3.9	22
56	Dissection of QTLs for Yield Traits Using Near Isogenic Lines Derived from Residual Heterozygous Lines in Rice. Rice Science, 2008, 15, 259-266.	3.9	3
57	Responses of Rice Genotypes Carrying Different Dwarf Genes toFusarium moniliformeand Gibberellic Acid. Plant Production Science, 2008, 11, 134-138.	2.0	22
58	Progress in Research and Development on Hybrid Rice: A Super-domesticate in China. Annals of Botany, 2007, 100, 959-966.	2.9	439
59	Source and Inheritance of the Within Cultivar Residual Variation Detected in an indica Variety IR64. Rice Science, 2007, 14, 21-26.	3.9	4
60	Construction and Testing of a Primary Microsatellite Database of Major Rice Varieties in China. Rice Science, 2007, 14, 247-255.	3.9	3
61	QTL Mapping of Chlorophyll Contents in Rice. Agricultural Sciences in China, 2007, 6, 17-24.	0.6	12
62	Super Hybrid Rice Breeding in China: Achievements and Prospects. Journal of Integrative Plant Biology, 2007, 49, 805-810.	8.5	153
63	Genetic analysis of genotypeÂÃ—Âiron nutrition interaction on coleoptile elongation rate in rice (Oryza) Tj ETQq1 1 0.784314 rgBT /Ov	1.2	7
64	Physiological analysis on pre-harvest sprouting in recombinant inbred rice lines. Frontiers of Agriculture in China, 2007, 1, 24-29.	0.2	5
65	Multiple splicing types of OsRIX4, an RAD21 homolog in rice (Oryza sativa L.). Science Bulletin, 2007, 52, 1468-1474.	1.7	0
66	Isolation and Characterization of Defense Response Genes Involved in Neck Blast Resistance of Rice. Journal of Genetics and Genomics, 2006, 33, 251-261.	0.3	8
67	Genetic Dissection of Silicon Content in Different Organs of Rice. Crop Science, 2005, 45, 1345-1352.	1.8	29
68	Genetic control of rice blast resistance in the durably resistant cultivar GumeiÂ2 against multiple isolates. Theoretical and Applied Genetics, 2005, 111, 50-56.	3.6	95
69	Identification of QTL for growth- and grain yield-related traits in rice across nine locations of Asia. Theoretical and Applied Genetics, 2003, 107, 679-690.	3.6	195
70	QTL Ã— environment interactions in rice. I. Heading date and plant height. Theoretical and Applied Genetics, 2003, 108, 141-153.	3.6	249
71	Analysis on additive effects and additive-by-additive epistatic effects of QTLs for yield traits in a recombinant inbred line population of rice. Theoretical and Applied Genetics, 2002, 105, 1137-1145.	3.6	156
72	Genetic differentiation of wild relatives of rice as assessed by RFLP analysis. Theoretical and Applied Genetics, 2002, 106, 101-106.	3.6	68

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73	Mapping of leaf and neck blast resistance genes with resistance gene analog, RAPD and RFLP in rice. Euphytica, 2002, 128, 363-370.	1.2	65
74	Importance of over-dominance as the genetic basis of heterosis in rice. Science in China Series C: Life Sciences, 2001, 44, 327-336.	1.3	7
75	Linkage analysis of a fertility restoring mutant generated from CMS rice. Theoretical and Applied Genetics, 1998, 97, 261-266.	3.6	17
76	Identifying different types of de-differentiated microspores from indica-japonica F1 hybrids with subspecies-differentiating RFLP probes in rice. Theoretical and Applied Genetics, 1997, 94, 34-38.	3.6	2
77	Analysis of QTLÃ—environment interaction for yield components and plant height in rice. Theoretical and Applied Genetics, 1997, 95, 799-808.	3.6	174
78	RFLP mapping of QTLs for yield and related characters in rice (Oryza sativa L.). Theoretical and Applied Genetics, 1996, 92, 920-927.	3.6	142
79	RFLP mapping of QTLs for yield and related characters in rice (Oryza sativa L.). Theoretical and Applied Genetics, 1996, 92, 920-927.	3.6	19
80	Identification of a set of RFLP probes for subspecies differentiation in Oryza sativa L.. Theoretical and Applied Genetics, 1995, 90, 878-884.	3.6	20
81	RFLP-based phylogenetic analysis of wide compatibility varieties in Oryza sativa L.. Theoretical and Applied Genetics, 1994, 88, 65-69.	3.6	29
82	Dissection of two QTL for grain length linked on the long arm of chromosome 5 in rice. Crop Science, 0, , .	1.8	0