

Zhigang Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,189
citations

516710

16
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

1485
citing authors

#	ARTICLE	IF	CITATIONS
1	A gene cluster encoding lectin receptor kinases confers broad-spectrum and durable insect resistance in rice. <i>Nature Biotechnology</i> , 2015, 33, 301-305.	17.5	299
2	<i>Pollen Semi-Sterility1</i> Encodes a Kinesin-1 Like Protein Important for Male Meiosis, Anther Dehiscence, and Fertility in Rice. <i>Plant Cell</i> , 2011, 23, 111-129.	6.6	113
3	A selfish genetic element confers non-Mendelian inheritance in rice. <i>Science</i> , 2018, 360, 1130-1132.	12.6	105
4	Transcriptional activation and phosphorylation of OsCNGC9 confer enhanced chilling tolerance in rice. <i>Molecular Plant</i> , 2021, 14, 315-329.	8.3	89
5	Genetic dissection on rice grain shape by the two-dimensional image analysis in one japonica—Indica population consisting of recombinant inbred lines. <i>Theoretical and Applied Genetics</i> , 2015, 128, 1969-1986.	3.6	63
6	Hybrid Sterility in Rice (<i>Oryza sativa</i> L.) Involves the Tetratricopeptide Repeat Domain Containing Protein. <i>Genetics</i> , 2016, 203, 1439-1451.	2.9	52
7	The catalytic subunit of magnesium-protoporphyrin IX monomethyl ester cyclase forms a chloroplast complex to regulate chlorophyll biosynthesis in rice. <i>Plant Molecular Biology</i> , 2016, 92, 177-191.	3.9	47
8	The role of OsMSH4 in male and female gamete development in rice meiosis. <i>Journal of Experimental Botany</i> , 2016, 67, 1447-1459.	4.8	43
9	Identification of QTLs for seed dormancy in rice (<i>Oryza sativa</i> L.). <i>Plant Breeding</i> , 2011, 130, 328-332.	1.9	36
10	Dynamic QTL Analysis of Rice Protein Content and Protein Index Using Recombinant Inbred Lines. <i>Journal of Plant Biology</i> , 2011, 54, 321-328.	2.1	35
11	<i>Earlier Degraded Tapetum1</i> (<i>EDT1</i>) Encodes an ATP-Citrate Lyase Required for Tapetum Programmed Cell Death. <i>Plant Physiology</i> , 2019, 181, 1223-1238.	4.8	34
12	Identification of quantitative trait loci for seed storability in rice (<i>Oryza sativa</i> L.). <i>Plant Breeding</i> , 2012, 131, 739-743.	1.9	32
13	SGD1, a key enzyme in tocopherol biosynthesis, is essential for plant development and cold tolerance in rice. <i>Plant Science</i> , 2017, 260, 90-100.	3.6	26
14	Marker-assisted breeding of a photoperiod-sensitive male sterile japonica rice with high cross-compatibility with indica rice. <i>Molecular Breeding</i> , 2011, 27, 247-258.	2.1	25
15	Identification of a new hybrid sterility gene in rice (<i>Oryza sativa</i> L.). <i>Euphytica</i> , 2006, 151, 331-337.	1.2	23
16	OPEN GLUME1: a key enzyme reducing the precursor of JA, participates in carbohydrate transport of lodicules during anthesis in rice. <i>Plant Cell Reports</i> , 2018, 37, 329-346.	5.6	23
17	Heterosis-associated genes confer high yield in super hybrid rice. <i>Theoretical and Applied Genetics</i> , 2020, 133, 3287-3297.	3.6	18
18	Genetic dissection of top three leaf traits in rice using progenies from a japonica—indica cross. <i>Journal of Integrative Plant Biology</i> , 2017, 59, 866-880.	8.5	15

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19	Fine mapping of S37, a locus responsible for pollen and embryo sac sterility in hybrids between <i>Oryza sativa</i> L. and <i>O. glaberrima</i> Steud. <i>Plant Cell Reports</i> , 2015, 34, 1885-1897.	5.6	14
20	Top Bending Panicle1 is involved in brassinosteroid signaling and regulates the plant architecture in rice. <i>Plant Physiology and Biochemistry</i> , 2017, 121, 1-13.	5.8	14
21	A GARP transcription factor anther dehiscence defected 1 (OsADD1) regulates rice anther dehiscence. <i>Plant Molecular Biology</i> , 2019, 101, 403-414.	3.9	11
22	Rice albino 1, encoding a glycyl-tRNA synthetase, is involved in chloroplast development and establishment of the plastidic ribosome system in rice. <i>Plant Physiology and Biochemistry</i> , 2019, 139, 495-503.	5.8	11
23	Identification of <i>Japonica</i> Chromosome Segments Associated with Heterosis for Yield in <i>Indica</i> — <i>Japonica</i> Rice Hybrids. <i>Crop Science</i> , 2010, 50, 2328-2337.	1.8	10
24	OsMFS1/OsHOP2 Complex Participates in Rice Male and Female Development. <i>Frontiers in Plant Science</i> , 2020, 11, 518.	3.6	10
25	Fine mapping of a gene responsible for pollen semi-sterility in hybrids between <i>Oryza sativa</i> L. and <i>O. glaberrima</i> Steud. <i>Molecular Breeding</i> , 2011, 28, 323-334.	2.1	9
26	Fine mapping of a minor-effect QTL, DTH12, controlling heading date in rice by up-regulation of florigen genes under long-day conditions. <i>Molecular Breeding</i> , 2014, 34, 311-322.	2.1	9
27	Identification of QTL for seed dormancy from weedy rice and its application to elite rice cultivar "Ninggeng 4". <i>Molecular Breeding</i> , 2019, 39, 1.	2.1	8
28	Genetic dissection of leaf-related traits using 156 chromosomal segment substitution lines. <i>Journal of Plant Biology</i> , 2015, 58, 402-410.	2.1	6
29	A new gene controlling hybrid sterility in rice (<i>Oryza sativa</i> L.). <i>Euphytica</i> , 2012, 184, 15-22.	1.2	5
30	Genetic analysis and fine mapping of a dominant dwarfness gene from wild rice (<i>Oryza barthii</i>). <i>Plant Breeding</i> , 2018, 137, 50-59.	1.9	4