

Masanori Yamasaki

List of Publications by Citations

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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.

55
papers

4,877
citations

19
h-index

58
g-index

58
ext. papers

6,200
ext. citations

7.2
avg, IF

4.78
L-index

#	Paper	IF	Citations
55	A unified mixed-model method for association mapping that accounts for multiple levels of relatedness. <i>Nature Genetics</i> , 2006 , 38, 203-8	36.3	2595
54	The effects of artificial selection on the maize genome. <i>Science</i> , 2005 , 308, 1310-4	33.3	634
53	Genome-wide association study using whole-genome sequencing rapidly identifies new genes influencing agronomic traits in rice. <i>Nature Genetics</i> , 2016 , 48, 927-34	36.3	326
52	A large-scale screen for artificial selection in maize identifies candidate agronomic loci for domestication and crop improvement. <i>Plant Cell</i> , 2005 , 17, 2859-72	11.6	202
51	Rare allele of a previously unidentified histone H4 acetyltransferase enhances grain weight, yield, and plant biomass in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 76-81	11.5	156
50	Artificial selection for a green revolution gene during japonica rice domestication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 11034-9	11.5	132
49	OSLG1 regulates a closed panicle trait in domesticated rice. <i>Nature Genetics</i> , 2013 , 45, 462-5, 465e1-2	36.3	128
48	Ethylene-gibberellin signaling underlies adaptation of rice to periodic flooding. <i>Science</i> , 2018 , 361, 181-186	39.3	89
47	Population structure of wild wheat D-genome progenitor <i>Aegilops tauschii</i> Coss.: implications for intraspecific lineage diversification and evolution of common wheat. <i>Molecular Ecology</i> , 2010 , 19, 999-1013	5.7	88
46	Genomic screening for artificial selection during domestication and improvement in maize. <i>Annals of Botany</i> , 2007 , 100, 967-73	4.1	53
45	Exploring the areas of applicability of whole-genome prediction methods for Asian rice (<i>Oryza sativa</i> L.). <i>Theoretical and Applied Genetics</i> , 2015 , 128, 41-53	6	44
44	Genetic basis of ovicidal response to whitebacked planthopper (<i>Sogatella furcifera</i> Horv�th) in rice (<i>Oryza sativa</i> L.). <i>Molecular Breeding</i> , 2003 , 12, 133-143	3.4	44
43	Development of INDEL markers to discriminate all genome types rapidly in the genus <i>Oryza</i> . <i>Breeding Science</i> , 2013 , 63, 246-54	2	33
42	Allelic interaction at seed-shattering loci in the genetic backgrounds of wild and cultivated rice species. <i>Genes and Genetic Systems</i> , 2010 , 85, 265-71	1.4	30
41	Quantitative Trait Locus Mapping of Ovicidal Response in Rice (<i>Oryza sativa</i> L.) against Whitebacked Planthopper (<i>Sogatella furcifera</i> Horv�th). <i>Crop Science</i> , 1999 , 39, 1178-1183	2.4	28
40	Population structure in Japanese rice population. <i>Breeding Science</i> , 2013 , 63, 49-57	2	27
39	Biological control for rice blast disease by employing detachment action with gelatinolytic bacteria. <i>Biological Control</i> , 2010 , 55, 85-91	3.8	24

38	Changes in Lignin and Polysaccharide Components in 13 Cultivars of Rice Straw following Dilute Acid Pretreatment as Studied by Solution-State 2D 1H-13C NMR. <i>PLoS ONE</i> , 2015 , 10, e0128417	3.7	21
37	Mapping of Quantitative Trait Loci of Ovicidal Response to Brown Planthopper (<i>Nilaparvata lugens</i> Stal) in Rice (<i>Oryza sativa</i> L.).. <i>Breeding Science</i> , 2000 , 50, 291-296	2	19
36	Genetic Tracing of L. from Its Mesoamerican Origin to the World. <i>Frontiers in Plant Science</i> , 2017 , 8, 15396.2		17
35	Variation in biomass properties among rice diverse cultivars. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011 , 75, 1603-5	2.1	17
34	Description of grain weight distribution leading to genomic selection for grain-filling characteristics in rice. <i>PLoS ONE</i> , 2018 , 13, e0207627	3.7	16
33	Glucose content in the liquid hydrolysate after dilute acid pretreatment is affected by the starch content in rice straw. <i>Bioresource Technology</i> , 2013 , 149, 520-4	11	15
32	Identification of QTLs for rice grain size using a novel set of chromosomal segment substitution lines derived from Yamadanishiki in the genetic background of Koshihikari. <i>Breeding Science</i> , 2018 , 68, 210-218	2	13
31	Natural Variation in the Flag Leaf Morphology of Rice Due to a Mutation of the NARROW LEAF 1 Gene in <i>Oryza sativa</i> L. <i>Genetics</i> , 2015 , 201, 795-808	4	12
30	Island-Model Genomic Selection for Long-Term Genetic Improvement of Autogamous Crops. <i>PLoS ONE</i> , 2016 , 11, e0153945	3.7	11
29	Development of an -Derived Nested Association Mapping (-NAM) Population in Rice. <i>Plants</i> , 2021 , 10,	4.5	11
28	Predicting biomass of rice with intermediate traits: Modeling method combining crop growth models and genomic prediction models. <i>PLoS ONE</i> , 2020 , 15, e0233951	3.7	9
27	DNAAlignEditor: DNA alignment editor tool. <i>BMC Bioinformatics</i> , 2008 , 9, 154	3.6	9
26	A novel Rice QTL qOPW11 Associated with Panicle Weight Affects Panicle and Plant Architecture. <i>Rice</i> , 2018 , 11, 53	5.8	9
25	Genetic dissection of grain traits in Yamadanishiki, an excellent sake-brewing rice cultivar. <i>Theoretical and Applied Genetics</i> , 2017 , 130, 2567-2585	6	8
24	Diversity and population structure of black soybean landraces originating from Tanba and neighboring regions. <i>Breeding Science</i> , 2012 , 61, 593-601	2	8
23	Uncovering a Nuisance Influence of a Phenological Trait of Plants Using a Nonlinear Structural Equation: Application to Days to Heading and Culm Length in Asian Cultivated Rice (<i>Oryza Sativa</i> L.). <i>PLoS ONE</i> , 2016 , 11, e0148609	3.7	8
22	QTL analysis of resistance to bacterial wilt caused by in potato. <i>Breeding Science</i> , 2019 , 69, 592-600	2	6
21	Coupling day length data and genomic prediction tools for predicting time-related traits under complex scenarios. <i>Scientific Reports</i> , 2020 , 10, 13382	4.9	6

20	Validation of a quantitative trait locus for the white-core expression rate of grain on chromosome 6 in a brewing rice cultivar and development of DNA markers for marker-assisted selection. <i>Breeding Science</i> , 2019 , 69, 401-409	2	4
19	Genetic and phenotypic assessment of sugar beet (<i>L. subsp.</i>) elite inbred lines selected in Japan during the past 50 years. <i>Breeding Science</i> , 2019 , 69, 255-265	2	4
18	Choosing the optimal population for a genome-wide association study: A simulation of whole-genome sequences from rice. <i>Plant Genome</i> , 2020 , 13, e20005	4-4	4
17	Empirical Analysis of Selection Screens for Domestication and Improvement Loci in Maize by Extended DNA Sequencing. <i>Plant Genome</i> , 2008 , 1,	4-4	4
16	Natural variation in the glucose content of dilute sulfuric acid-pretreated rice straw liquid hydrolysates: implications for bioethanol production. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016 , 80, 863-9	2.1	3
15	Predicting Rice Heading Date Using an Integrated Approach Combining a Machine Learning Method and a Crop Growth Model. <i>Frontiers in Genetics</i> , 2020 , 11, 599510	4-5	3
14	Differences in glucose yield of residues from among varieties of rice, wheat, and sorghum after dilute acid pretreatment. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017 , 81, 1650-1656	2.1	2
13	Genetic and epistatic effects for grain quality and yield of three grain-size QTLs identified in brewing rice (<i>Oryza sativa</i> L.).. <i>Molecular Breeding</i> , 2020 , 40, 1	3-4	2
12	Coupling Day Length Data and Genomic Prediction tools for Predicting Time-Related Traits under Complex Scenarios		1
11	Landraces of temperate japonica rice have superior alleles for improving culm strength associated with lodging resistance. <i>Scientific Reports</i> , 2020 , 10, 19855	4-9	1
10	Genetic Background Negates Improvements in Rice Flour Characteristics and Food Processing Properties Caused by a Mutant Allele of the PDIL1-1 Seed Storage Protein Gene.. <i>Rice</i> , 2022 , 15, 13	5-8	1
9	Whole genome sequencing data of <i>L. cv.</i> Takanari. <i>Data in Brief</i> , 2019 , 27, 104546	1.2	
8	A novel index to evaluate resource allocation pattern in panicles in Japanese rice cultivars. <i>Plant Production Science</i> , 1-16	2.4	
7	Predicting biomass of rice with intermediate traits: Modeling method combining crop growth models and genomic prediction models 2020 , 15, e0233951		
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