

Haijun Liu

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

3,022
citations

236912

25
h-index

477281

29
g-index

32
all docs

32
docs citations

32
times ranked

3604
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolome-based genome-wide association study of maize kernel leads to novel biochemical insights. <i>Nature Communications</i> , 2014, 5, 3438.	12.8	402
2	A maize wall-associated kinase confers quantitative resistance to head smut. <i>Nature Genetics</i> , 2015, 47, 151-157.	21.4	342
3	Genome-wide Association Studies in Maize: Praise and Stargaze. <i>Molecular Plant</i> , 2017, 10, 359-374.	8.3	334
4	Natural variation in Ghd7.1 plays an important role in grain yield and adaptation in rice. <i>Cell Research</i> , 2013, 23, 969-971.	12.0	222
5	Crop genome-wide association study: a harvest of biological relevance. <i>Plant Journal</i> , 2019, 97, 8-18.	5.7	151
6	Genetic Determinants of the Network of Primary Metabolism and Their Relationships to Plant Performance in a Maize Recombinant Inbred Line Population. <i>Plant Cell</i> , 2015, 27, 1839-1856.	6.6	149
7	High-Throughput CRISPR/Cas9 Mutagenesis Streamlines Trait Gene Identification in Maize. <i>Plant Cell</i> , 2020, 32, 1397-1413.	6.6	148
8	Genome-wide dissection of the maize ear genetic architecture using multiple populations. <i>New Phytologist</i> , 2016, 210, 1095-1106.	7.3	142
9	Distant eQTLs and Non-coding Sequences Play Critical Roles in Regulating Gene Expression and Quantitative Trait Variation in Maize. <i>Molecular Plant</i> , 2017, 10, 414-426.	8.3	137
10	The Conserved and Unique Genetic Architecture of Kernel Size and Weight in Maize and Rice. <i>Plant Physiology</i> , 2017, 175, 774-785.	4.8	114
11	Genomic, Transcriptomic, and Phenomic Variation Reveals the Complex Adaptation of Modern Maize Breeding. <i>Molecular Plant</i> , 2015, 8, 871-884.	8.3	72
12	The genetic architecture of amino acids dissection by association and linkage analysis in maize. <i>Plant Biotechnology Journal</i> , 2017, 15, 1250-1263.	8.3	72
13	Beyond pathways: genetic dissection of tocopherol content in maize kernels by combining linkage and association analyses. <i>Plant Biotechnology Journal</i> , 2018, 16, 1464-1475.	8.3	70
14	The genetic mechanism of heterosis utilization in maize improvement. <i>Genome Biology</i> , 2021, 22, 148.	8.8	69
15	Maize pan-transcriptome provides novel insights into genome complexity and quantitative trait variation. <i>Scientific Reports</i> , 2016, 6, 18936.	3.3	68
16	Genome-Wide Association Analyses Reveal the Importance of Alternative Splicing in Diversifying Gene Function and Regulating Phenotypic Variation in Maize. <i>Plant Cell</i> , 2018, 30, 1404-1423.	6.6	66
17	Combining Quantitative Genetics Approaches with Regulatory Network Analysis to Dissect the Complex Metabolism of the Maize Kernel. <i>Plant Physiology</i> , 2016, 170, 136-146.	4.8	62
18	Large-Scale Discovery of Non-conventional Peptides in Maize and Arabidopsis through an Integrated Peptidogenomic Pipeline. <i>Molecular Plant</i> , 2020, 13, 1078-1093.	8.3	58

#	ARTICLE	IF	CITATIONS
19	CUBIC: an atlas of genetic architecture promises directed maize improvement. <i>Genome Biology</i> , 2020, 21, 20.	8.8	57
20	Genome-wide association studies of drought-related metabolic changes in maize using an enlarged SNP panel. <i>Theoretical and Applied Genetics</i> , 2016, 129, 1449-1463.	3.6	43
21	<i>ZmCOL3</i> , a CCT gene represses flowering in maize by interfering with the circadian clock and activating expression of <i>ZmCCT</i> . <i>Journal of Integrative Plant Biology</i> , 2018, 60, 465-480.	8.5	43
22	Metabolomics analysis reveals differences in evolution between maize and rice. <i>Plant Journal</i> , 2020, 103, 1710-1722.	5.7	41
23	MODEM: multi-omics data envelopment and mining in maize. <i>Database: the Journal of Biological Databases and Curation</i> , 2016, 2016, baw117.	3.0	39
24	An integrated multi-layered analysis of the metabolic networks of different tissues uncovers key genetic components of primary metabolism in maize. <i>Plant Journal</i> , 2018, 93, 1116-1128.	5.7	38
25	Patterns of Cereal Yield Growth across China from 1980 to 2010 and Their Implications for Food Production and Food Security. <i>PLoS ONE</i> , 2016, 11, e0159061.	2.5	30
26	Genome-wide association of the metabolic shifts underpinning dark-induced senescence in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2022, 34, 557-578.	6.6	29
27	Mining novel kernel size-related genes by pQTL mapping and multi-omics integrative analysis in developing maize kernels. <i>Plant Biotechnology Journal</i> , 2021, 19, 1489-1491.	8.3	14
28	MaizeCUBIC: a comprehensive variation database for a maize synthetic population. <i>Database: the Journal of Biological Databases and Curation</i> , 2020, 2020, .	3.0	5
29	Rice domestication: An imperfect African solution. <i>Nature Plants</i> , 2017, 3, 17083.	9.3	5
30	Gene Regulatory Relationship Mining Using Improved Three-Phase Dependency Analysis Approach. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2020, 17, 339-346.	3.0	0