

Hongxuan Lin

List of Publications by Year in descending order

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45
papers

7,578
citations

136885

32
h-index

233338

45
g-index

45
all docs

45
docs citations

45
times ranked

7095
citing authors

#	ARTICLE	IF	CITATIONS
1	A QTL for rice grain width and weight encodes a previously unknown RING-type E3 ubiquitin ligase. <i>Nature Genetics</i> , 2007, 39, 623-630.	9.4	1,403
2	A rice quantitative trait locus for salt tolerance encodes a sodium transporter. <i>Nature Genetics</i> , 2005, 37, 1141-1146.	9.4	1,229
3	Contribution of phenylpropanoid metabolism to plant development and plant-environment interactions. <i>Journal of Integrative Plant Biology</i> , 2021, 63, 180-209.	4.1	509
4	A previously unknown zinc finger protein, DST, regulates drought and salt tolerance in rice via stomatal aperture control. <i>Genes and Development</i> , 2009, 23, 1805-1817.	2.7	504
5	The <i>miR156-SPL9-DFR</i> pathway coordinates the relationship between development and abiotic stress tolerance in plants. <i>Plant Journal</i> , 2014, 80, 1108-1117.	2.8	385
6	Heterotrimeric G proteins regulate nitrogen-use efficiency in rice. <i>Nature Genetics</i> , 2014, 46, 652-656.	9.4	338
7	The novel quantitative trait locus GL3.1 controls rice grain size and yield by regulating Cyclin-T1;3. <i>Cell Research</i> , 2012, 22, 1666-1680.	5.7	334
8	Natural alleles of a proteasome β 2 subunit gene contribute to thermotolerance and adaptation of African rice. <i>Nature Genetics</i> , 2015, 47, 827-833.	9.4	265
9	A defensin-like protein drives cadmium efflux and allocation in rice. <i>Nature Communications</i> , 2018, 9, 645.	5.8	263
10	Overexpression of the trehalose-6-phosphate phosphatase gene <i>OstPP1</i> confers stress tolerance in rice and results in the activation of stress responsive genes. <i>Planta</i> , 2008, 228, 191-201.	1.6	239
11	<i>GRAIN SIZE AND NUMBER1</i> Negatively Regulates the <i>OsMKKK10-OsMKK4-OsMPK6</i> Cascade to Coordinate the Trade-off between Grain Number per Panicle and Grain Size in Rice. <i>Plant Cell</i> , 2018, 30, 871-888.	3.1	196
12	Understanding Abiotic Stress Tolerance Mechanisms: Recent Studies on Stress Response in Rice. <i>Journal of Integrative Plant Biology</i> , 2007, 49, 742-750.	4.1	172
13	The QTL <i>GNP1</i> Encodes <i>GA20ox1</i> , Which Increases Grain Number and Yield by Increasing Cytokinin Activity in Rice Panicle Meristems. <i>PLoS Genetics</i> , 2016, 12, e1006386.	1.5	161
14	UDP-glucosyltransferase regulates grain size and abiotic stress tolerance associated with metabolic flux redirection in rice. <i>Nature Communications</i> , 2020, 11, 2629.	5.8	158
15	Fine Mapping and Characterization of Quantitative Trait Loci <i>Hd4</i> and <i>Hd5</i> Controlling Heading Date in Rice. <i>Breeding Science</i> , 2003, 53, 51-59.	0.9	143
16	Crop Improvement Through Temperature Resilience. <i>Annual Review of Plant Biology</i> , 2019, 70, 753-780.	8.6	138
17	<i>DCA1</i> Acts as a Transcriptional Co-activator of <i>DST</i> and Contributes to Drought and Salt Tolerance in Rice. <i>PLoS Genetics</i> , 2015, 11, e1005617.	1.5	92
18	<i>ERECTA1</i> Acts Upstream of the <i>OsMKKK10-OsMKK4-OsMPK6</i> Cascade to Control Spikelet Number by Regulating Cytokinin Metabolism in Rice. <i>Plant Cell</i> , 2020, 32, 2763-2779.	3.1	92

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19	A two-locus interaction causes interspecific hybrid weakness in rice. <i>Nature Communications</i> , 2014, 5, 3357.	5.8	88
20	A quantitative trait locus <i>GW6</i> controls rice grain size and yield through the gibberellin pathway. <i>Plant Journal</i> , 2020, 103, 1174-1188.	2.8	85
21	A genetic module at one locus in rice protects chloroplasts to enhance thermotolerance. <i>Science</i> , 2022, 376, 1293-1300.	6.0	80
22	Development of Chromosome Segment Substitution Lines Derived from Backcross between indica Donor Rice Cultivar 'Nona Bokra' and japonica Recipient Cultivar 'Koshihikari'. <i>Breeding Science</i> , 2007, 57, 257-261.	0.9	78
23	TT2 controls rice thermotolerance through SCT1-dependent alteration of wax biosynthesis. <i>Nature Plants</i> , 2022, 8, 53-67.	4.7	77
24	Rice Carotenoid β -Ring Hydroxylase CYP97A4 is Involved in Lutein Biosynthesis. <i>Plant and Cell Physiology</i> , 2012, 53, 987-1002.	1.5	58
25	Identification of Quantitative Trait Loci for Rice Quality in a Population of Chromosome Segment Substitution Lines. <i>Journal of Integrative Plant Biology</i> , 2009, 51, 500-512.	4.1	51
26	Translational Regulation of Plant Response to High Temperature by a Dual-Function tRNAHis Guanylyltransferase in Rice. <i>Molecular Plant</i> , 2019, 12, 1123-1142.	3.9	44
27	EXPO and Autophagosomes are Distinct Organelles in Plants. <i>Plant Physiology</i> , 2015, 169, pp.00953.2015.	2.3	43
28	Evolution and Molecular Control of Hybrid Incompatibility in Plants. <i>Frontiers in Plant Science</i> , 2016, 7, 1208.	1.7	42
29	Fine mapping and candidate gene analysis of <i>spd6</i> , responsible for small panicle and dwarfness in wild rice (<i>Oryza rufipogon</i> Griff.). <i>Theoretical and Applied Genetics</i> , 2009, 119, 827-836.	1.8	40
30	Decreasing nitrogen assimilation under drought stress by suppressing DST-mediated activation of Nitrate Reductase 1.2 in rice. <i>Molecular Plant</i> , 2022, 15, 167-178.	3.9	40
31	<i>Tillering and small grain 1</i> dominates the tryptophan aminotransferase family required for local auxin biosynthesis in rice. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 581-600.	4.1	37
32	OsHAL3, a Blue Light-Responsive Protein, Interacts with the Floral Regulator Hd1 to Activate Flowering in Rice. <i>Molecular Plant</i> , 2016, 9, 233-244.	3.9	35
33	Higher yield with less nitrogen fertilizer. <i>Nature Plants</i> , 2020, 6, 1078-1079.	4.7	26
34	Fine Mapping of <i>Spr3</i> , a Locus for Spreading Panicle from African Cultivated Rice (<i>Oryza glaberrima</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.9	25
35	SS1 (NAL1)- and SS2-Mediated Genetic Networks Underlying Source-Sink and Yield Traits in Rice (<i>Oryza</i>) Tj ETQq1 1 0.784314 rgBT /Ov	1.1	20
36	Molecular regulation and genetic control of rice thermal response. <i>Crop Journal</i> , 2021, 9, 497-505.	2.3	18

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37	A SAC Phosphoinositide Phosphatase Controls Rice Development via Hydrolyzing PI4P and PI(4,5)P ₂ . <i>Plant Physiology</i> , 2020, 182, 1346-1358.	2.3	15
38	The Rice High-Affinity K ⁺ Transporter OsHKT2;4 Mediates Mg ²⁺ Homeostasis under High-Mg ²⁺ Conditions in Transgenic Arabidopsis. <i>Frontiers in Plant Science</i> , 2017, 8, 1823.	1.7	13
39	A rice QTL GS3.1 regulates grain size through metabolic-flux distribution between flavonoid and lignin metabolons without affecting stress tolerance. <i>Communications Biology</i> , 2021, 4, 1171.	2.0	12
40	NAL8 encodes a prohibitin that contributes to leaf and spikelet development by regulating mitochondria and chloroplasts stability in rice. <i>BMC Plant Biology</i> , 2019, 19, 395.	1.6	10
41	Nitrogen-use efficiency: Transport solution in rice variations. <i>Nature Plants</i> , 2015, 1, 15096.	4.7	7
42	The tricks plants use to reach appropriate light. <i>Science China Life Sciences</i> , 2010, 53, 916-926.	2.3	6
43	Creating future crops: a revolution for sustainable agriculture. <i>Journal of Genetics and Genomics</i> , 2021, 48, 97-101.	1.7	5
44	Expression and characterization of rice putative <i>PAUSED</i> gene. <i>Acta Biochimica Et Biophysica Sinica</i> , 2008, 40, 893-900.	0.9	1
45	Molecular signature of chilling adaptation in rice. <i>National Science Review</i> , 2016, 3, 276-277.	4.6	1