Hongxuan Lin

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3744807/publications.pdf

Version: 2024-02-01

45 papers	7,578 citations	136950 32 h-index	233421 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. Nature Genetics, 2007, 39, 623-630.	21.4	1,403
2	A rice quantitative trait locus for salt tolerance encodes a sodium transporter. Nature Genetics, 2005, 37, 1141-1146.	21.4	1,229
3	Contribution of phenylpropanoid metabolism to plant development and plantâ€“environment interactions. Journal of Integrative Plant Biology, 2021, 63, 180-209.	8.5	509
4	A previously unknown zinc finger protein, DST, regulates drought and salt tolerance in rice via stomatal aperture control. Genes and Development, 2009, 23, 1805-1817.	5.9	504
5	The miR156â€<scp>SPL</scp>9â€<scp>DFR</scp> pathway coordinates the relationship between development and abiotic stress tolerance in plants. Plant Journal, 2014, 80, 1108-1117.	5.7	385
6	Heterotrimeric G proteins regulate nitrogen-use efficiency in rice. Nature Genetics, 2014, 46, 652-656.	21.4	338
7	The novel quantitative trait locus GL3.1 controls rice grain size and yield by regulating Cyclin-T1;3. Cell Research, 2012, 22, 1666-1680.	12.0	334
8	Natural alleles of a proteasome Î±2 subunit gene contribute to thermotolerance and adaptation of African rice. Nature Genetics, 2015, 47, 827-833.	21.4	265
9	A defensin-like protein drives cadmium efflux and allocation in rice. Nature Communications, 2018, 9, 645.	12.8	263
10	Overexpression of the trehalose-6-phosphate phosphatase gene OsTPP1 confers stress tolerance in rice and results in the activation of stress responsive genes. Planta, 2008, 228, 191-201.	3.2	239
11	GRAIN SIZE AND NUMBER1 Negatively Regulates the OsMKKK10-OsMKK4-OsMPK6 Cascade to Coordinate the Trade-off between Grain Number per Panicle and Grain Size in Rice. Plant Cell, 2018, 30, 871-888.	6.6	196
12	Understanding Abiotic Stress Tolerance Mechanisms: Recent Studies on Stress Response in Rice. Journal of Integrative Plant Biology, 2007, 49, 742-750.	8.5	172
13	The QTL GNP1 Encodes GA20ox1, Which Increases Grain Number and Yield by Increasing Cytokinin Activity in Rice Panicle Meristems. PLoS Genetics, 2016, 12, e1006386.	3.5	161
14	UDP-glucosyltransferase regulates grain size and abiotic stress tolerance associated with metabolic flux redirection in rice. Nature Communications, 2020, 11, 2629.	12.8	158
15	Fine Mapping and Characterization of Quantitative Trait Loci Hd4 and Hd5 Controlling Heading Date in Rice.. Breeding Science, 2003, 53, 51-59.	1.9	143
16	Crop Improvement Through Temperature Resilience. Annual Review of Plant Biology, 2019, 70, 753-780.	18.7	138
17	DCA1 Acts as a Transcriptional Co-activator of DST and Contributes to Drought and Salt Tolerance in Rice. PLoS Genetics, 2015, 11, e1005617.	3.5	92
18	ERECTA1 Acts Upstream of the OsMKKK10-OsMKK4-OsMPK6 Cascade to Control Spikelet Number by Regulating Cytokinin Metabolism in Rice. Plant Cell, 2020, 32, 2763-2779.	6.6	92

#	Article	IF	Citations
19	A two-locus interaction causes interspecific hybrid weakness in rice. Nature Communications, 2014, 5, 3357.	12.8	88
20	A quantitative trait locus GW6 controls rice grain size and yield through the gibberellin pathway. Plant Journal, 2020, 103, 1174-1188.	5.7	85
21	A genetic module at one locus in rice protects chloroplasts to enhance thermotolerance. Science, 2022, 376, 1293-1300.	12.6	80
22	Development of Chromosome Segment Substitution Lines Derived from Backcross between indica Donor Rice Cultivar 'Nona Bokra' and japonica Recipient Cultivar 'Koshihikari'. Breeding Science, 2007, 57, 257-261.	1.9	78
23	TT2 controls rice thermotolerance through SCT1-dependent alteration of wax biosynthesis. Nature Plants, 2022, 8, 53-67.	9.3	77
24	Rice Carotenoid Î²-Ring Hydroxylase CYP97A4 is Involved in Lutein Biosynthesis. Plant and Cell Physiology, 2012, 53, 987-1002.	3.1	58
25	Identification of Quantitative Trait Loci for Rice Quality in a Population of Chromosome Segment Substitution Lines. Journal of Integrative Plant Biology, 2009, 51, 500-512.	8.5	51
26	Translational Regulation of Plant Response to High Temperature by a Dual-Function tRNAHis Guanylyltransferase in Rice. Molecular Plant, 2019, 12, 1123-1142.	8.3	44
27	EXPO and Autophagosomes are Distinct Organelles in Plants. Plant Physiology, 2015, 169, pp.00953.2015.	4.8	43
28	Evolution and Molecular Control of Hybrid Incompatibility in Plants. Frontiers in Plant Science, 2016, 7, 1208.	3.6	42
29	Fine mapping and candidate gene analysis of spd6, responsible for small panicle and dwarfness in wild rice (Oryza rufipogon Griff.). Theoretical and Applied Genetics, 2009, 119, 827-836.	3.6	40
30	Decreasing nitrogen assimilation under drought stress by suppressing DST-mediated activation of Nitrate Reductase 1.2 in rice. Molecular Plant, 2022, 15, 167-178.	8.3	40
31	Tillering and small grain 1 dominates the tryptophan aminotransferase family required for local auxin biosynthesis in rice. Journal of Integrative Plant Biology, 2020, 62, 581-600.	8.5	37
32	OsHAL3, a Blue Light-Responsive Protein, Interacts with the Floral Regulator Hd1 to Activate Flowering in Rice. Molecular Plant, 2016, 9, 233-244.	8.3	35
33	Higher yield with less nitrogen fertilizer. Nature Plants, 2020, 6, 1078-1079.	9.3	26
34	Fine Mapping of Spr3, a Locus for Spreading Panicle from African Cultivated Rice (Oryza glaberrima) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	8.3	25
35	SS1 (NAL1)- and SS2-Mediated Genetic Networks Underlying Source-Sink and Yield Traits in Rice (Oryza) Tj ETQq1 1 0.784314 rgBT /O	2.5	20
36	Molecular regulation and genetic control of rice thermal response. Crop Journal, 2021, 9, 497-505.	5.2	18

#	Article	IF	Citations
37	A SAC Phosphoinositide Phosphatase Controls Rice Development via Hydrolyzing PI4P and PI(4,5)P₂. Plant Physiology, 2020, 182, 1346-1358.	4.8	15
38	The Rice High-Affinity K+ Transporter OsHKT2;4 Mediates Mg2+ Homeostasis under High-Mg2+ Conditions in Transgenic Arabidopsis. Frontiers in Plant Science, 2017, 8, 1823.	3.6	13
39	A rice QTL GS3.1 regulates grain size through metabolic-flux distribution between flavonoid and lignin metabolons without affecting stress tolerance. Communications Biology, 2021, 4, 1171.	4.4	12
40	NAL8 encodes a prohibitin that contributes to leaf and spikelet development by regulating mitochondria and chloroplasts stability in rice. BMC Plant Biology, 2019, 19, 395.	3.6	10
41	Nitrogen-use efficiency: Transport solution in rice variations. Nature Plants, 2015, 1, 15096.	9.3	7
42	The tricks plants use to reach appropriate light. Science China Life Sciences, 2010, 53, 916-926.	4.9	6
43	Creating future crops: a revolution for sustainable agriculture. Journal of Genetics and Genomics, 2021, 48, 97-101.	3.9	5
44	Expression and characterization of rice putativePAUSEDgene. Acta Biochimica Et Biophysica Sinica, 2008, 40, 893-900.	2.0	1
45	Molecular signature of chilling adaptation in rice. National Science Review, 2016, 3, 276-277.	9.5	1