

Qi Li

List of Publications by Year in descending order

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55
papers

2,486
citations

172457

29
h-index

214800

47
g-index

56
all docs

56
docs citations

56
times ranked

2471
citing authors

#	ARTICLE	IF	CITATIONS
1	The O2-ZmGRAS11 transcriptional regulatory network orchestrates the coordination of endosperm cell expansion and grain filling in maize. <i>Molecular Plant</i> , 2022, 15, 468-487.	8.3	25
2	ABA-induced phosphorylation of basic leucine zipper 29, ABSCISIC ACID INSENSITIVE 19, and Opaque2 by SnRK2.2 enhances gene transactivation for endosperm filling in maize. <i>Plant Cell</i> , 2022, 34, 1933-1956.	6.6	16
3	Modulating the C-terminus of DEP1 synergistically enhances grain quality and yield in rice. <i>Journal of Genetics and Genomics</i> , 2022, 49, 506-509.	3.9	13
4	The PGS1 basic helix-loop-helix protein regulates <i>Fl3</i> to impact seed growth and grain yield in cereals. <i>Plant Biotechnology Journal</i> , 2022, 20, 1311-1326.	8.3	23
5	<i>Myb10</i> confers <i>PHS3D</i> resistance to pre-harvest sprouting by regulating <i>NCED</i> in ABA biosynthesis pathway of wheat. <i>New Phytologist</i> , 2021, 230, 1940-1952.	7.3	53
6	AtSEC22 Regulates Cell Morphogenesis via Affecting Cytoskeleton Organization and Stabilities. <i>Frontiers in Plant Science</i> , 2021, 12, 635732.	3.6	9
7	Efficient artificial microRNA vectors for gene silencing in citrus. <i>Plant Cell Reports</i> , 2021, 40, 2449-2452.	5.6	0
8	The B3 domain-containing transcription factor ZmABI19 coordinates expression of key factors required for maize seed development and grain filling. <i>Plant Cell</i> , 2021, 33, 104-128.	6.6	48
9	The encyclopedia of maize kernel gene expression. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 879-881.	8.5	6
10	Towards coeliac-safe bread. <i>Plant Biotechnology Journal</i> , 2020, 18, 1056-1065.	8.3	2
11	Long-read sequencing reveals genomic structural variations that underlie creation of quality protein maize. <i>Nature Communications</i> , 2020, 11, 17.	12.8	45
12	Differential Quantitative Requirements for NPR1 Between Basal Immunity and Systemic Acquired Resistance in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 570422.	3.6	13
13	Carotenoids modulate kernel texture in maize by influencing amyloplast envelope integrity. <i>Nature Communications</i> , 2020, 11, 5346.	12.8	33
14	Identification and Characterization of PLATZ Transcription Factors in Wheat. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8934.	4.1	21
15	Loss of Function of an RNA Polymerase III Subunit Leads to Impaired Maize Kernel Development. <i>Plant Physiology</i> , 2020, 184, 359-373.	4.8	17
16	Perception of Damaged Self in Plants. <i>Plant Physiology</i> , 2020, 182, 1545-1565.	4.8	55
17	Transactivation of <i>Sus1</i> and <i>Sus2</i> by Opaque2 is an essential supplement to sucrose synthase-mediated endosperm filling in maize. <i>Plant Biotechnology Journal</i> , 2020, 18, 1897-1907.	8.3	48
18	Extracellular pyridine nucleotides trigger plant systemic immunity through a lectin receptor kinase/BAK1 complex. <i>Nature Communications</i> , 2019, 10, 4810.	12.8	65

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19	EMB-7L is required for embryogenesis and plant development in maize involved in RNA splicing of multiple chloroplast genes. <i>Plant Science</i> , 2019, 287, 110203.	3.6	22
20	Plant evolution and environmental adaptation unveiled by long-read whole-genome sequencing of <i>Spirodela</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18893-18899.	7.1	76
21	Intra-Kernel Reallocation of Proteins in Maize Depends on VP1-Mediated Scutellum Development and Nutrient Assimilation. <i>Plant Cell</i> , 2019, 31, tpc.00444.2019.	6.6	16
22	NAC-type transcription factors regulate accumulation of starch and protein in maize seeds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11223-11228.	7.1	114
23	Maize VKS1 Regulates Mitosis and Cytokinesis During Early Endosperm Development. <i>Plant Cell</i> , 2019, 31, 1238-1256.	6.6	36
24	High frequency DNA rearrangement at q1 ³ 27 creates a novel allele for Quality Protein Maize breeding. <i>Communications Biology</i> , 2019, 2, 460.	4.4	7
25	Isoform sequencing provides insight into natural genetic diversity in maize. <i>Plant Biotechnology Journal</i> , 2019, 17, 1473-1475.	8.3	8
26	G-protein β subunits determine grain size through interaction with MADS-domain transcription factors in rice. <i>Nature Communications</i> , 2018, 9, 852.	12.8	219
27	Overexpression of serine acetyltransferase in maize leaves increases seed-specific methionine-rich zeins. <i>Plant Biotechnology Journal</i> , 2018, 16, 1057-1067.	8.3	37
28	The genetic architecture of amylose biosynthesis in maize kernel. <i>Plant Biotechnology Journal</i> , 2018, 16, 688-695.	8.3	67
29	Genome-wide analysis of the plant-specific PLATZ proteins in maize and identification of their general role in interaction with RNA polymerase III complex. <i>BMC Plant Biology</i> , 2018, 18, 221.	3.6	37
30	Maize Oxalyl-CoA Decarboxylase1 Degrades Oxalate and Affects the Seed Metabolome and Nutritional Quality. <i>Plant Cell</i> , 2018, 30, 2447-2462.	6.6	40
31	Genomes and Transcriptomes of Duckweeds. <i>Frontiers in Chemistry</i> , 2018, 6, 230.	3.6	33
32	The Maize Imprinted Gene <i>Floury3</i> Encodes a PLATZ Protein Required for tRNA and 5S rRNA Transcription through Interaction with RNA Polymerase III. <i>Plant Cell</i> , 2017, 29, 2661-2675.	6.6	96
33	Non-canonical regulation of SPL transcription factors by a human OTUB1-like deubiquitinase defines a new plant type rice associated with higher grain yield. <i>Cell Research</i> , 2017, 27, 1142-1156.	12.0	98
34	Integrative analysis of DNA methylation, mRNAs, and small RNAs during maize embryo dedifferentiation. <i>BMC Plant Biology</i> , 2017, 17, 105.	3.6	16
35	Identification and expression of GRAS family genes in maize (<i>Zea mays</i> L.). <i>PLoS ONE</i> , 2017, 12, e0185418.	2.5	63
36	Functional conservation and diversification of <i>APETALA1</i> and <i>FRUITFULL</i> genes in <i>Brachypodium distachyon</i> . <i>Physiologia Plantarum</i> , 2016, 157, 507-518.	5.2	17

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37	Gene duplication confers enhanced expression of 27-kDa $\hat{\beta}$ -zein for endosperm modification in quality protein maize. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4964-4969.	7.1	67
38	Divergent Transactivation of Maize Storage Protein Zein Genes by the Transcription Factors Opaque2 and OHPs. Genetics, 2016, 204, 581-591.	2.9	28
39	Maize endosperm-specific transcription factors O2 and PBF network the regulation of protein and starch synthesis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10842-10847.	7.1	136
40	Genome-wide analysis of pentatricopeptide-repeat proteins of an aquatic plant. Planta, 2016, 244, 893-899.	3.2	11
41	RNA Editing in Chloroplasts of Spirodela polyrhiza, an Aquatic Monocotyledonous Species. PLoS ONE, 2015, 10, e0140285.	2.5	27
42	Evolution of Gene Expression after Gene Amplification. Genome Biology and Evolution, 2015, 7, 1303-1312.	2.5	5
43	Transcriptional Regulation of Zein Gene Expression in Maize through the Additive and Synergistic Action of opaque2, Prolamine-Box Binding Factor, and O2 Heterodimerizing Proteins. Plant Cell, 2015, 27, 1162-1172.	6.6	94
44	BdBRD1, a brassinosteroid C-6 oxidase homolog in Brachypodium distachyon L., is required for multiple organ development. Plant Physiology and Biochemistry, 2015, 86, 91-99.	5.8	15
45	Proteome balancing of the maize seed for higher nutritional value. Frontiers in Plant Science, 2014, 5, 240.	3.6	109
46	Mutation in the seed storage protein kafirin creates a high-value food trait in sorghum. Nature Communications, 2013, 4, 2217.	12.8	59
47	Rapid Divergence of Prolamin Gene Promoters of Maize After Gene Amplification and Dispersal. Genetics, 2012, 192, 507-519.	2.9	32
48	Balancing of sulfur storage in maize seed. BMC Plant Biology, 2012, 12, 77.	3.6	54
49	RNA Interference Can Rebalance the Nitrogen Sink of Maize Seeds without Losing Hard Endosperm. PLoS ONE, 2012, 7, e32850.	2.5	41
50	The Maize High-Lysine Mutant opaque7 Is Defective in an Acyl-CoA Synthetase-Like Protein. Genetics, 2011, 189, 1271-1280.	2.9	34
51	Novel Genetic Selection System for Quantitative Trait Loci of Quality Protein Maize. Genetics, 2011, 188, 1019-1022.	2.9	27
52	RNA Interference-Mediated Change in Protein Body Morphology and Seed Opacity through Loss of Different Zein Proteins $\hat{\alpha}$ $\hat{\alpha}$. Plant Physiology, 2010, 153, 337-347.	4.8	97
53	Rescue of a Dominant Mutant With RNA Interference. Genetics, 2010, 186, 1493-1496.	2.9	6
54	$\hat{\beta}$ -Zeins are essential for endosperm modification in quality protein maize. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12810-12815.	7.1	120

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55	Non-Mendelian regulation and allelic variation of methionine-rich delta-zein genes in maize. Theoretical and Applied Genetics, 2009, 119, 721-731.	3.6	30