

Zonglie Hong

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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.

59
papers

4,628
citations

29
h-index

61
g-index

61
ext. papers

5,281
ext. citations

6.1
avg, IF

5.06
L-index

#	Paper	IF	Citations
59	Overexpression of [δ]-Pyrroline-5-Carboxylate Synthetase Increases Proline Production and Confers Osmotolerance in Transgenic Plants. <i>Plant Physiology</i> , 1995 , 108, 1387-1394	6.6	1084
58	Removal of feedback inhibition of delta(1)-pyrroline-5-carboxylate synthetase results in increased proline accumulation and protection of plants from osmotic stress. <i>Plant Physiology</i> , 2000 , 122, 1129-36	6.6	630
57	Callose synthase (CalS5) is required for exine formation during microgametogenesis and for pollen viability in Arabidopsis. <i>Plant Journal</i> , 2005 , 42, 315-28	6.9	250
56	Genetic bases of rice grain shape: so many genes, so little known. <i>Trends in Plant Science</i> , 2013 , 18, 218-26	5.1	221
55	Plant callose synthase complexes. <i>Plant Molecular Biology</i> , 2001 , 47, 693-701	4.6	206
54	A cell plate-specific callose synthase and its interaction with phragmoplastin. <i>Plant Cell</i> , 2001 , 13, 755-68	4.6	197
53	A novel UDP-glucose transferase is part of the callose synthase complex and interacts with phragmoplastin at the forming cell plate. <i>Plant Cell</i> , 2001 , 13, 769-79	11.6	156
52	Dysregulation of cell-to-cell connectivity and stomatal patterning by loss-of-function mutation in Arabidopsis chorus (glucan synthase-like 8). <i>Development (Cambridge)</i> , 2010 , 137, 1731-41	6.6	154
51	Subcellular location of delta-pyrroline-5-carboxylate reductase in root/nodule and leaf of soybean. <i>Plant Physiology</i> , 1992 , 99, 1642-9	6.6	122
50	CalS7 encodes a callose synthase responsible for callose deposition in the phloem. <i>Plant Journal</i> , 2011 , 65, 1-14	6.9	110
49	Expression of callose synthase genes and its connection with Npr1 signaling pathway during pathogen infection. <i>Planta</i> , 2008 , 229, 87-98	4.7	102
48	A unified nomenclature for Arabidopsis dynamin-related large GTPases based on homology and possible functions. <i>Plant Molecular Biology</i> , 2003 , 53, 261-5	4.6	102
47	Topology and phosphorylation of soybean nodulin-26, an intrinsic protein of the peribacteroid membrane. <i>Journal of Cell Biology</i> , 1992 , 118, 481-90	7.3	97
46	Two functional soybean genes encoding p34cdc2 protein kinases are regulated by different plant developmental pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 943-7	11.5	94
45	A phosphatidylinositol 3-kinase is induced during soybean nodule organogenesis and is associated with membrane proliferation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 9617-21	11.5	83
44	A MAP kinase kinase interacts with SymRK and regulates nodule organogenesis in Lotus japonicus. <i>Plant Cell</i> , 2012 , 24, 823-38	11.6	80
43	The small GTPase ROP6 interacts with NFR5 and is involved in nodule formation in Lotus japonicus. <i>Plant Physiology</i> , 2012 , 159, 131-43	6.6	74

42	A novel ARID DNA-binding protein interacts with SymRK and is expressed during early nodule development in <i>Lotus japonicus</i> . <i>Plant Physiology</i> , 2008 , 148, 337-47	6.6	72
41	Biogenesis of the peribacteroid membrane in root nodules. <i>Trends in Microbiology</i> , 1996 , 4, 364-8	12.4	69
40	Small GTP-Binding Proteins and Membrane Biogenesis in Plants. <i>Plant Physiology</i> , 1994 , 106, 1-6	6.6	63
39	Efficient Inactivation of Symbiotic Nitrogen Fixation Related Genes in <i>Lotus japonicus</i> Using CRISPR-Cas9. <i>Frontiers in Plant Science</i> , 2016 , 7, 1333	6.2	60
38	NODULES WITH ACTIVATED DEFENSE 1 is required for maintenance of rhizobial endosymbiosis in <i>Medicago truncatula</i> . <i>New Phytologist</i> , 2016 , 212, 176-91	9.8	55
37	Phragmoplastin dynamics: multiple forms, microtubule association and their roles in cell plate formation in plants. <i>Plant Molecular Biology</i> , 2003 , 53, 297-312	4.6	52
36	Phragmoplastin polymerizes into spiral coiled structures via intermolecular interaction of two self-assembly domains. <i>Journal of Biological Chemistry</i> , 2000 , 275, 8779-84	5.4	39
35	A ubiquitin ligase of symbiosis receptor kinase involved in nodule organogenesis. <i>Plant Physiology</i> , 2012 , 160, 106-17	6.6	37
34	Precocious pollen germination in <i>Arabidopsis</i> plants with altered callose deposition during microsporogenesis. <i>Planta</i> , 2010 , 231, 809-23	4.7	36
33	A novel interaction between CCaMK and a protein containing the Scythe_N ubiquitin-like domain in <i>Lotus japonicus</i> . <i>Plant Physiology</i> , 2011 , 155, 1312-24	6.6	35
32	Expression of <i>Arabidopsis</i> callose synthase 5 results in callose accumulation and cell wall permeability alteration. <i>Plant Science</i> , 2012 , 183, 1-8	5.3	33
31	<i>Lotus japonicus</i> clathrin heavy Chain1 is associated with Rho-Like GTPase ROP6 and involved in nodule formation. <i>Plant Physiology</i> , 2015 , 167, 1497-510	6.6	32
30	Splice variants of the SIP1 transcripts play a role in nodule organogenesis in <i>Lotus japonicus</i> . <i>Plant Molecular Biology</i> , 2013 , 82, 97-111	4.6	26
29	The ins and outs in membrane dynamics: tubulation and vesiculation. <i>Trends in Plant Science</i> , 2005 , 10, 159-65	13.1	26
28	Unplugging the callose plug from sieve pores. <i>Plant Signaling and Behavior</i> , 2011 , 6, 491-3	2.5	24
27	Perinuclear and nuclear envelope localizations of <i>Arabidopsis</i> Ran proteins. <i>Plant Cell Reports</i> , 2007 , 26, 1373-82	5.1	23
26	Overexpression of the cell plate-associated dynamin-like GTPase, phragmoplastin, results in the accumulation of callose at the cell plate and arrest of plant growth. <i>Plant Science</i> , 2002 , 163, 33-42	5.3	19
25	Phytosulfokine Is Involved in Positive Regulation of <i>Lotus japonicus</i> Nodulation. <i>Molecular Plant-Microbe Interactions</i> , 2015 , 28, 847-55	3.6	18

24	A MYB coiled-coil transcription factor interacts with NSP2 and is involved in nodulation in <i>Lotus japonicus</i> . <i>New Phytologist</i> , 2014 , 201, 837-849	9.8	17
23	A nucleostemin-like GTPase required for normal apical and floral meristem development in <i>Arabidopsis</i> . <i>Molecular Biology of the Cell</i> , 2012 , 23, 1446-56	3.5	17
22	Homeobox Is Pivotal for OsWUS Controlling Tiller Development and Female Fertility in Rice. <i>G3: Genes, Genomes, Genetics</i> , 2016 , 6, 2013-21	3.2	16
21	A missense mutation in Large Grain Size 1 increases grain size and enhances cold tolerance in rice. <i>Journal of Experimental Botany</i> , 2019 , 70, 3851-3866	7	14
20	A mutation of the cellulose-synthase-like (CslF6) gene in barley (<i>Hordeum vulgare</i> L.) partially affects the β -glucan content in grains. <i>Journal of Cereal Science</i> , 2014 , 59, 189-195	3.8	13
19	p34cdc2 protein kinase homolog from mothbean (<i>Vigna aconitifolia</i>). <i>Plant Physiology</i> , 1993 , 101, 1399-400		12
18	Nucleostemin-like 1 is required for embryogenesis and leaf development in <i>Arabidopsis</i> . <i>Plant Molecular Biology</i> , 2012 , 78, 31-44	4.6	11
17	A novel RNA-binding protein associated with cell plate formation. <i>Plant Physiology</i> , 2008 , 148, 223-34	6.6	10
16	Identification of differentially expressed proteins and phosphorylated proteins in rice seedlings in response to strigolactone treatment. <i>PLoS ONE</i> , 2014 , 9, e93947	3.7	7
15	An MAP kinase interacts with LHK1 and regulates nodule organogenesis in <i>Lotus japonicus</i> . <i>Science China Life Sciences</i> , 2019 , 62, 1203-1217	8.5	6
14	<i>Arabidopsis</i> NUCLEOSTEMIN-LIKE 1 (NSN1) regulates cell cycling potentially by cooperating with nucleosome assembly protein AtNAP1;1. <i>BMC Plant Biology</i> , 2018 , 18, 99	5.3	5
13	Involvement of ROP6 and clathrin in nodulation factor signaling. <i>Plant Signaling and Behavior</i> , 2015 , 10, e1033127	2.5	4
12	The Ubiquitin Ligase SIE3 Interacts With the Transcription Factor SIP1 and Forms a Homodimer. <i>Frontiers in Plant Science</i> , 2020 , 11, 795	6.2	4
11	Molecular Analysis of the Cell Plate Forming Machinery. <i>Plant Cell Monographs</i> , 2007 , 303-320	0.6	4
10	A <i>Lotus japonicus</i> Cochaperone Protein Interacts With the Ubiquitin-Like Domain Protein CIP73 and Plays a Negative Regulatory Role in Nodulation. <i>Molecular Plant-Microbe Interactions</i> , 2015 , 28, 534-45	3.6	3
9	A MYB Transcription Factor Interacts with NSP2 and Is Involved in Nodulation in <i>Lotus japonicus</i> 2015 , 599-607		1
8	A Cell Plate-Specific Callose Synthase and Its Interaction with Phragmoplastin. <i>Plant Cell</i> , 2001 , 13, 755	11.6	1
7	Genetic analysis reveals four interacting loci underlying awn trait diversity in barley (<i>Hordeum vulgare</i>). <i>Scientific Reports</i> , 2020 , 10, 12535	4.9	0

- 6 Molecular and Chemical Characterization of a New Waxy Allele in Barley (*Hordeum vulgare* L.). *Cereal Chemistry*, **2014**, 91, 438-444 2.4
- 5 Effect of nitrogen salts on nitrate reductase activity and protein contents in wheat (*Triticum aestivum* L.). *Biologia Plantarum*, **1993**, 35, 31 2.1
- 4 Root Nodule Organogenesis and Formation of the Peribacteroid Membrane Compartment. *Current Plant Science and Biotechnology in Agriculture*, **1993**, 343-352
- 3 Signal Transduction and Endocytosis of Rhizobia in the Host Cells. *Current Plant Science and Biotechnology in Agriculture*, **1994**, 123-130
- 2 Two independent grain-length mutants mapped to a single region on the long arm of chromosome 2 in rice. *Bragantia*, **2018**, 77, 452-465 1.2
- 1 KOMPEITO, an Atypical Arabidopsis Rhomboid-Related Gene, Is Required for Callose Accumulation and Pollen Wall Development. *International Journal of Molecular Sciences*, **2022**, 23, 5959 6.3