

# Zonglie Hong

## List of Publications by Year in Descending Order

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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	KOMPEITO, an Atypical Arabidopsis Rhomboid-Related Gene, Is Required for Callose Accumulation and Pollen Wall Development. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 5959	6.3	
58	The Ubiquitin Ligase SIE3 Interacts With the Transcription Factor SIP1 and Forms a Homodimer. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 795	6.2	4
57	Genetic analysis reveals four interacting loci underlying awn trait diversity in barley ( <i>Hordeum vulgare</i> ). <i>Scientific Reports</i> , <b>2020</b> , 10, 12535	4.9	0
56	An MAP kinase interacts with LHK1 and regulates nodule organogenesis in <i>Lotus japonicus</i> . <i>Science China Life Sciences</i> , <b>2019</b> , 62, 1203-1217	8.5	6
55	A missense mutation in Large Grain Size 1 increases grain size and enhances cold tolerance in rice. <i>Journal of Experimental Botany</i> , <b>2019</b> , 70, 3851-3866	7	14
54	Arabidopsis NUCLEOSTEMIN-LIKE 1 (NSN1) regulates cell cycling potentially by cooperating with nucleosome assembly protein AENAP1;1. <i>BMC Plant Biology</i> , <b>2018</b> , 18, 99	5.3	5
53	Two independent grain-length mutants mapped to a single region on the long arm of chromosome 2 in rice. <i>Bragantia</i> , <b>2018</b> , 77, 452-465	1.2	
52	Efficient Inactivation of Symbiotic Nitrogen Fixation Related Genes in <i>Lotus japonicus</i> Using CRISPR-Cas9. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 1333	6.2	60
51	NODULES WITH ACTIVATED DEFENSE 1 is required for maintenance of rhizobial endosymbiosis in <i>Medicago truncatula</i> . <i>New Phytologist</i> , <b>2016</b> , 212, 176-91	9.8	55
50	Homeobox Is Pivotal for OsWUS Controlling Tiller Development and Female Fertility in Rice. <i>G3: Genes, Genomes, Genetics</i> , <b>2016</b> , 6, 2013-21	3.2	16
49	<i>Lotus japonicus</i> clathrin heavy Chain1 is associated with Rho-Like GTPase ROP6 and involved in nodule formation. <i>Plant Physiology</i> , <b>2015</b> , 167, 1497-510	6.6	32
48	Involvement of ROP6 and clathrin in nodulation factor signaling. <i>Plant Signaling and Behavior</i> , <b>2015</b> , 10, e1033127	2.5	4
47	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> , <b>2015</b> , 28, 534-45	3.6	3
46	Phytosulfokine Is Involved in Positive Regulation of <i>Lotus japonicus</i> Nodulation. <i>Molecular Plant-Microbe Interactions</i> , <b>2015</b> , 28, 847-55	3.6	18
45	A MYB Transcription Factor Interacts with NSP2 and Is Involved in Nodulation in <i>Lotus japonicus</i> <b>2015</b> , 599-607		1
44	A mutation of the cellulose-synthase-like (CslF6) gene in barley ( <i>Hordeum vulgare</i> L.) partially affects the $\beta$ -glucan content in grains. <i>Journal of Cereal Science</i> , <b>2014</b> , 59, 189-195	3.8	13
43	A MYB coiled-coil transcription factor interacts with NSP2 and is involved in nodulation in <i>Lotus japonicus</i> . <i>New Phytologist</i> , <b>2014</b> , 201, 837-849	9.8	17

42	Identification of differentially expressed proteins and phosphorylated proteins in rice seedlings in response to strigolactone treatment. <i>PLoS ONE</i> , <b>2014</b> , 9, e93947	3.7	7
41	Molecular and Chemical Characterization of a New Waxy Allele in Barley ( <i>Hordeum vulgare</i> L.). <i>Cereal Chemistry</i> , <b>2014</b> , 91, 438-444	2.4	
40	Splice variants of the SIP1 transcripts play a role in nodule organogenesis in <i>Lotus japonicus</i> . <i>Plant Molecular Biology</i> , <b>2013</b> , 82, 97-111	4.6	26
39	Genetic bases of rice grain shape: so many genes, so little known. <i>Trends in Plant Science</i> , <b>2013</b> , 18, 218-26.1	25.1	221
38	Nucleostemin-like 1 is required for embryogenesis and leaf development in <i>Arabidopsis</i> . <i>Plant Molecular Biology</i> , <b>2012</b> , 78, 31-44	4.6	11
37	A ubiquitin ligase of symbiosis receptor kinase involved in nodule organogenesis. <i>Plant Physiology</i> , <b>2012</b> , 160, 106-17	6.6	37
36	Expression of <i>Arabidopsis</i> callose synthase 5 results in callose accumulation and cell wall permeability alteration. <i>Plant Science</i> , <b>2012</b> , 183, 1-8	5.3	33
35	A MAP kinase kinase interacts with SymRK and regulates nodule organogenesis in <i>Lotus japonicus</i> . <i>Plant Cell</i> , <b>2012</b> , 24, 823-38	11.6	80
34	A nucleostemin-like GTPase required for normal apical and floral meristem development in <i>Arabidopsis</i> . <i>Molecular Biology of the Cell</i> , <b>2012</b> , 23, 1446-56	3.5	17
33	The small GTPase ROP6 interacts with NFR5 and is involved in nodule formation in <i>Lotus japonicus</i> . <i>Plant Physiology</i> , <b>2012</b> , 159, 131-43	6.6	74
32	CalS7 encodes a callose synthase responsible for callose deposition in the phloem. <i>Plant Journal</i> , <b>2011</b> , 65, 1-14	6.9	110
31	A novel interaction between CCaMK and a protein containing the Scythe_N ubiquitin-like domain in <i>Lotus japonicus</i> . <i>Plant Physiology</i> , <b>2011</b> , 155, 1312-24	6.6	35
30	Unplugging the callose plug from sieve pores. <i>Plant Signaling and Behavior</i> , <b>2011</b> , 6, 491-3	2.5	24
29	Dysregulation of cell-to-cell connectivity and stomatal patterning by loss-of-function mutation in <i>Arabidopsis</i> chorus (glucan synthase-like 8). <i>Development (Cambridge)</i> , <b>2010</b> , 137, 1731-41	6.6	154
28	Precocious pollen germination in <i>Arabidopsis</i> plants with altered callose deposition during microsporogenesis. <i>Planta</i> , <b>2010</b> , 231, 809-23	4.7	36
27	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> , <b>2008</b> , 148, 337-47	6.6	72
26	A novel RNA-binding protein associated with cell plate formation. <i>Plant Physiology</i> , <b>2008</b> , 148, 223-34	6.6	10
25	Expression of callose synthase genes and its connection with Npr1 signaling pathway during pathogen infection. <i>Planta</i> , <b>2008</b> , 229, 87-98	4.7	102

24	Molecular Analysis of the Cell Plate Forming Machinery. <i>Plant Cell Monographs</i> , <b>2007</b> , 303-320	0.6	4
23	Perinuclear and nuclear envelope localizations of Arabidopsis Ran proteins. <i>Plant Cell Reports</i> , <b>2007</b> , 26, 1373-82	5.1	23
22	The ins and outs in membrane dynamics: tubulation and vesiculation. <i>Trends in Plant Science</i> , <b>2005</b> , 10, 159-65	13.1	26
21	Callose synthase (CalS5) is required for exine formation during microgametogenesis and for pollen viability in Arabidopsis. <i>Plant Journal</i> , <b>2005</b> , 42, 315-28	6.9	250
20	Phragmoplastin dynamics: multiple forms, microtubule association and their roles in cell plate formation in plants. <i>Plant Molecular Biology</i> , <b>2003</b> , 53, 297-312	4.6	52
19	A unified nomenclature for Arabidopsis dynamin-related large GTPases based on homology and possible functions. <i>Plant Molecular Biology</i> , <b>2003</b> , 53, 261-5	4.6	102
18	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> , <b>2002</b> , 163, 33-42	5.3	19
17	A Cell Plate-Specific Callose Synthase and Its Interaction with Phragmoplastin. <i>Plant Cell</i> , <b>2001</b> , 13, 755	11.6	1
16	Plant callose synthase complexes. <i>Plant Molecular Biology</i> , <b>2001</b> , 47, 693-701	4.6	206
15	A cell plate-specific callose synthase and its interaction with phragmoplastin. <i>Plant Cell</i> , <b>2001</b> , 13, 755-68	11.6	197
14	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> , <b>2001</b> , 13, 769-79	11.6	156
13	Phragmoplastin polymerizes into spiral coiled structures via intermolecular interaction of two self-assembly domains. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 8779-84	5.4	39
12	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> , <b>2000</b> , 122, 1129-36	6.6	630
11	Biogenesis of the peribacteroid membrane in root nodules. <i>Trends in Microbiology</i> , <b>1996</b> , 4, 364-8	12.4	69
10	Overexpression of [delta]-Pyrroline-5-Carboxylate Synthetase Increases Proline Production and Confers Osmotolerance in Transgenic Plants. <i>Plant Physiology</i> , <b>1995</b> , 108, 1387-1394	6.6	1084
9	Small GTP-Binding Proteins and Membrane Biogenesis in Plants. <i>Plant Physiology</i> , <b>1994</b> , 106, 1-6	6.6	63
8	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> , <b>1994</b> , 91, 9617-21	11.5	83
7	Signal Transduction and Endocytosis of Rhizobia in the Host Cells. <i>Current Plant Science and Biotechnology in Agriculture</i> , <b>1994</b> , 123-130		

6	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> , <b>1993</b> , 90, 943-7	11.5	94
5	p34cdc2 protein kinase homolog from mothbean ( <i>Vigna aconitifolia</i> ). <i>Plant Physiology</i> , <b>1993</b> , 101, 1399-400	11.5	12
4	Effect of nitrogen salts on nitrate reductase activity and protein contents in wheat ( <i>Triticum aestivum</i> L.). <i>Biologia Plantarum</i> , <b>1993</b> , 35, 31	2.1	
3	Root Nodule Organogenesis and Formation of the Peribacteroid Membrane Compartment. <i>Current Plant Science and Biotechnology in Agriculture</i> , <b>1993</b> , 343-352		
2	Subcellular location of delta-pyrroline-5-carboxylate reductase in root/nodule and leaf of soybean. <i>Plant Physiology</i> , <b>1992</b> , 99, 1642-9	6.6	122
1	Topology and phosphorylation of soybean nodulin-26, an intrinsic protein of the peribacteroid membrane. <i>Journal of Cell Biology</i> , <b>1992</b> , 118, 481-90	7.3	97