Jianming Li

List of Publications by Citations

68 papers	9,509 citations	40 h-index	74 g-index
74 ext. papers	11,183 ext. citations	11.9 avg, IF	6.09 L-index

#	Paper	IF	Citations
68	A putative leucine-rich repeat receptor kinase involved in brassinosteroid signal transduction. *Cell*, **1997**, 90, 929-38	56.2	1285
67	BRI1/BAK1, a receptor kinase pair mediating brassinosteroid signaling. *Cell*, **2002**, 110, 203-12	56.2	861
66	BES1 accumulates in the nucleus in response to brassinosteroids to regulate gene expression and promote stem elongation. *Cell*, **2002**, 109, 181-91	56.2	858
65	The GSK3-like kinase BIN2 phosphorylates and destabilizes BZR1, a positive regulator of the brassinosteroid signaling pathway in Arabidopsis. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 10185-90	11.5	469
64	Regulation of brassinosteroid signaling by a GSK3/SHAGGY-like kinase. *Science*, **2002**, 295, 1299-301	33.3	451
63	Bacterial effectors target the common signaling partner BAK1 to disrupt multiple MAMP receptor-signaling complexes and impede plant immunity. *Cell Host and Microbe*, **2008**, 4, 17-27	23.4	410
62	BRL1 and BRL3 are novel brassinosteroid receptors that function in vascular differentiation in Arabidopsis. *Development (Cambridge)*, **2004**, 131, 5341-51	6.6	391
61	Perception of brassinosteroids by the extracellular domain of the receptor kinase BRI1. *Science*, **2000**, 288, 2360-3	33.3	381
60	Brassinosteroid-insensitive-1 is a ubiquitously expressed leucine-rich repeat receptor serine/threonine kinase. *Plant Physiology*, **2000**, 123, 1247-56	6.6	376
59	BIN2, a new brassinosteroid-insensitive locus in Arabidopsis. *Plant Physiology*, **2001**, 127, 14-22	6.6	356
58	Auxin controls seed dormancy through stimulation of abscisic acid signaling by inducing ARF-mediated ABI3 activation in Arabidopsis. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 15485-90	11.5	263
57	The phosphoenolpyruvate/phosphate translocator is required for phenolic metabolism, palisade cell development, and plastid-dependent nuclear gene expression. *Plant Cell*, **1999**, 11, 1609-22	11.6	228
56	Two putative BIN2 substrates are nuclear components of brassinosteroid signaling. *Plant Physiology*, **2002**, 130, 1221-9	6.6	168
55	Genetic and epigenetic control of plant heat responses. *Frontiers in Plant Science*, **2015**, 6, 267	6.2	166
54	CLAVATA1 dominant-negative alleles reveal functional overlap between multiple receptor kinases that regulate meristem and organ development. *Plant Cell*, **2003**, 15, 1198-211	11.6	155
53	Allele-specific suppression of a defective brassinosteroid receptor reveals a physiological role of UGGT in ER quality control. *Molecular Cell*, **2007**, 26, 821-30	17.6	148
52	Multiple mechanism-mediated retention of a defective brassinosteroid receptor in the endoplasmic reticulum of Arabidopsis. *Plant Cell*, **2008**, 20, 3418-29	11.6	147

51	BIN2 functions redundantly with other Arabidopsis GSK3-like kinases to regulate brassinosteroid signaling. *Plant Physiology*, **2009**, 150, 710-21	6.6	137
50	Regulation of brassinosteroid signaling. *Trends in Plant Science*, **2007**, 12, 37-41	13.1	136
49	Arabidopsis det2 is defective in the conversion of (24R)-24-methylcholest-4-En-3-one to (24R)-24-methyl-5alpha-cholestan-3-one in brassinosteroid biosynthesis. *Plant Physiology*, **1999**, 120, 833-40	6.6	134
48	Regulation of Arabidopsis brassinosteroid signaling by atypical basic helix-loop-helix proteins. *Plant Cell*, **2009**, 21, 3781-91	11.6	131
47	Regulation of the Arabidopsis GSK3-like kinase BRASSINOSTEROID-INSENSITIVE 2 through proteasome-mediated protein degradation. *Molecular Plant*, **2008**, 1, 338-46	14.4	125
46	Overexpression of receptor-like kinase ERECTA improves thermotolerance in rice and tomato. *Nature Biotechnology*, **2015**, 33, 996-1003	44.5	107
45	A plant-specific calreticulin is a key retention factor for a defective brassinosteroid receptor in the endoplasmic reticulum. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 13612-7	11.5	95
44	Conserved endoplasmic reticulum-associated degradation system to eliminate mutated receptor-like kinases in Arabidopsis. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 870-5	11.5	94
43	The Arabidopsis transthyretin-like protein is a potential substrate of BRASSINOSTEROID-INSENSITIVE 1. *Plant Cell*, **2004**, 16, 2406-17	11.6	91
42	A natural tandem array alleviates epigenetic repression of IPA1 and leads to superior yielding rice. *Nature Communications*, **2017**, 8, 14789	17.4	85
41	Warm temperatures induce transgenerational epigenetic release of RNA silencing by inhibiting siRNA biogenesis in Arabidopsis. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 9171-6	11.5	82
40	An H3K27me3 demethylase-HSFA2 regulatory loop orchestrates transgenerational thermomemory in Arabidopsis. *Cell Research*, **2019**, 29, 379-390	24.7	76
39	OsREM4.1 Interacts with OsSERK1 to Coordinate the Interlinking between Abscisic Acid and Brassinosteroid Signaling in Rice. *Developmental Cell*, **2016**, 38, 201-13	10.2	72
38	Endoplasmic reticulum-mediated protein quality control in Arabidopsis. *Frontiers in Plant Science*, **2014**, 5, 162	6.2	68
37	Mutations of an alpha1,6 mannosyltransferase inhibit endoplasmic reticulum-associated degradation of defective brassinosteroid receptors in Arabidopsis. *Plant Cell*, **2009**, 21, 3792-802	11.6	65
36	The pc-1 phenotype of Chlamydomonas reinhardtii results from a deletion mutation in the nuclear gene for NADPH:protochlorophyllide oxidoreductase. *Plant Molecular Biology*, **1996**, 30, 15-37	4.6	60
35	The SnRK2 kinases modulate miRNA accumulation in Arabidopsis. *PLoS Genetics*, **2017**, 13, e1006753	6	56
34	Regulation of the nuclear activities of brassinosteroid signaling. *Current Opinion in Plant Biology*, **2010**, 13, 540-7	9.9	55

33	The Arabidopsis homolog of the mammalian OS-9 protein plays a key role in the endoplasmic reticulum-associated degradation of misfolded receptor-like kinases. *Molecular Plant*, **2012**, 5, 929-40	14.4	47
32	Analysis of phosphorylation of the BRI1/BAK1 complex in arabidopsis reveals amino acid residues critical for receptor formation and activation of BR signaling. *Molecules and Cells*, **2009**, 27, 183-90	3.5	45
31	A direct docking mechanism for a plant GSK3-like kinase to phosphorylate its substrates. *Journal of Biological Chemistry*, **2010**, 285, 24646-53	5.4	43
30	Evolutionarily conserved glycan signal to degrade aberrant brassinosteroid receptors in Arabidopsis. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 11437-42	11.5	41
29	Brassinosteroid signaling: from receptor kinases to transcription factors. *Current Opinion in Plant Biology*, **2005**, 8, 526-31	9.9	40
28	Endoplasmic reticulum-associated N-glycan degradation of cold-upregulated glycoproteins in response to chilling stress in Arabidopsis. *New Phytologist*, **2016**, 212, 282-96	9.8	38
27	Brassinosteroid Signaling Recruits Histone 3 Lysine-27 Demethylation Activity to FLOWERING LOCUS C Chromatin to Inhibit the Floral Transition in Arabidopsis. *Molecular Plant*, **2018**, 11, 1135-1146	14.4	35
26	Formation of complex extrachromosomal T-DNA structures in Agrobacterium tumefaciens-infected plants. *Plant Physiology*, **2012**, 160, 511-22	6.6	35
25	BAK7 displays unequal genetic redundancy with BAK1 in brassinosteroid signaling and early senescence in Arabidopsis. *Molecules and Cells*, **2010**, 29, 259-66	3.5	33
24	EBS7 is a plant-specific component of a highly conserved endoplasmic reticulum-associated degradation system in Arabidopsis. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 12205-10	11.5	32
23	Communications Between the Endoplasmic Reticulum and Other Organelles During Abiotic Stress Response in Plants. *Frontiers in Plant Science*, **2019**, 10, 749	6.2	30
22	Functional characterization of Arabidopsis thaliana transthyretin-like protein. *BMC Plant Biology*, **2010**, 10, 30	5.3	30
21	Brassinosteroids signal through two receptor-like kinases. *Current Opinion in Plant Biology*, **2003**, 6, 494-9	9.9	29
20	Characterization of temperature-sensitive mutants reveals a role for receptor-like kinase SCRAMBLED/STRUBBELIG in coordinating cell proliferation and differentiation during Arabidopsis leaf development. *Plant Journal*, **2012**, 72, 707-20	6.9	28
19	Expression of RNA-interference/antisense transgenes by the cognate promoters of target genes is a better gene-silencing strategy to study gene functions in rice. *PLoS ONE*, **2011**, 6, e17444	3.7	26
18	Brassinosteroid Signal Transduction: A Mix of Conservation and Novelty. *Journal of Plant Growth Regulation*, **2003**, 22, 298-312	4.7	25
17	Trimming of N-Glycans by the Golgi-Localized □1,2-Mannosidases, MNS1 and MNS2, Is Crucial for Maintaining RSW2 Protein Abundance during Salt Stress in Arabidopsis. *Molecular Plant*, **2018**, 11, 678-690	14.4	24
16	Preparation of DNA from Arabidopsis. *Methods in Molecular Biology*, **1998**, 82, 55-60	1.4	24

LIST OF PUBLICATIONS

15	Characterization of cp3 reveals a new bri1 allele, bri1-120, and the importance of the LRR domain of BRI1 mediating BR signaling. *BMC Plant Biology*, **2011**, 11, 8	5.3	22
14	Activation-tagged suppressors of a weak brassinosteroid receptor mutant. *Molecular Plant*, **2010**, 3, 260-8	14.4	17
13	Direct involvement of leucine-rich repeats in assembling ligand-triggered receptor-coreceptor complexes. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 8073-4	11.5	13
12	A Temperature-Sensitive Misfolded bri1-301 Receptor Requires Its Kinase Activity to Promote Growth. *Plant Physiology*, **2018**, 178, 1704-1719	6.6	12
11	PAWH1 and PAWH2 are plant-specific components of an Arabidopsis endoplasmic reticulum-associated degradation complex. *Nature Communications*, **2019**, 10, 3492	17.4	11
10	Regulation of Three Key Kinases of Brassinosteroid Signaling Pathway. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	9
9	Brassinosteroid-independent function of BRI1/CLV1 chimeric receptors. *Functional Plant Biology*, **2006**, 33, 723-730	2.7	7
8	An in vivo investigation of amino acid residues critical for the lectin function of Arabidopsis calreticulin 3. *Molecular Plant*, **2013**, 6, 985-7	14.4	6
7	A conserved basic residue cluster is essential for the protein quality control function of the Arabidopsis calreticulin 3. *Plant Signaling and Behavior*, **2013**, 8, e23864	2.5	5
6	The Evolutionarily Conserved Serine Residues in BRI1 LRR Motifs Are Critical for Protein Secretion. *Frontiers in Plant Science*, **2020**, 11, 32	6.2	4
5	The Protein Quality Control of Plant Receptor-Like Kinases in the Endoplasmic Reticulum. *Signaling and Communication in Plants*, **2012**, 275-307	1	4
4	The Crucial Role of Demannosylating Asparagine-Linked Glycans in ERADicating Misfolded Glycoproteins in the Endoplasmic Reticulum. *Frontiers in Plant Science*, **2020**, 11, 625033	6.2	4
3	Comparative Transcriptomic Analysis to Identify Brassinosteroid Response Genes. *Plant Physiology*, **2020**, 184, 1072-1082	6.6	3
2	Versatile Physiological Functions of Plant GSK3-Like Kinases. *Genes*, **2021**, 12,	4.2	3
1	Brassinosteroids **2003**, 214-219		