Ping He

List of Publications by Year
in descending order

93 papers	7,959 citations	61945 43 h-index	54882 84 g-index
98 all docs	98 docs citations	98 times ranked	7444 citing authors

#	Article	IF	Citations
1	A receptor-like cytoplasmic kinase, BIK1, associates with a flagellin receptor complex to initiate plant innate immunity. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 496-501.	3.3	701
2	Direct Ubiquitination of Pattern Recognition Receptor FLS2 Attenuates Plant Innate Immunity. Science, 2011, 332, 1439-1442.	6.0	510
3	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.	5.1	498
4	Specific Bacterial Suppressors of MAMP Signaling Upstream of MAPKKK in Arabidopsis Innate Immunity. Cell, 2006, 125, 563-575.	13.5	386
5	From Chaos to Harmony: Responses and Signaling upon Microbial Pattern Recognition. Annual Review of Phytopathology, 2017, 55, 109-137.	3.5	375
6	Bifurcation of Arabidopsis NLR Immune Signaling via Ca2+-Dependent Protein Kinases. PLoS Pathogens, 2013, 9, e1003127.	2.1	257
7	Differential Function of Arabidopsis SERK Family Receptor-like Kinases in Stomatal Patterning. Current Biology, 2015, 25, 2361-2372.	1.8	242
8	Transcriptional Regulation of Pattern-Triggered Immunity in Plants. Cell Host and Microbe, 2016, 19, 641-650.	5.1	241
9	Silencing GhNDR1 and GhMKK2 compromises cotton resistance to Verticillium wilt. Plant Journal, 2011, 66, 293-305.	2.8	222
10	Damage-Associated Molecular Pattern-Triggered Immunity in Plants. Frontiers in Plant Science, 2019, 10, 646.	1.7	185
11	SERKing Coreceptors for Receptors. Trends in Plant Science, 2016, 21, 1017-1033.	4.3	172
12	Ligand-Induced Receptor-like Kinase Complex Regulates Floral Organ Abscission in Arabidopsis. Cell Reports, 2016, 14, 1330-1338.	2.9	157
13	Atherothrombotic Risk Stratification and Ezetimibe for Secondary Prevention. Journal of the American College of Cardiology, 2017, 69, 911-921.	1.2	157
14	Elicitation and suppression of microbe-associated molecular pattern-triggered immunity in plant?microbe interactions. Cellular Microbiology, 2007, 9, 1385-1396.	1.1	156
15	Tyrosine phosphorylation of protein kinase complex BAK1/BIK1 mediates Arabidopsis innate immunity. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3632-3637.	3.3	151
16	Inverse modulation of plant immune and brassinosteroid signaling pathways by the receptor-like cytoplasmic kinase BIK1. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12114-12119.	3.3	148
17	TAL effector driven induction of a SWEET gene confers susceptibility to bacterial blight of cotton. Nature Communications, 2017, 8, 15588.	5.8	144
18	Atherothrombotic Risk Stratification and the Efficacy and Safety of Vorapaxar in Patients With Stable Ischemic Heart Disease and Previous Myocardial Infarction. Circulation, 2016, 134, 304-313.	1.6	143

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19	A Cysteine-Rich Protein Kinase Associates with a Membrane Immune Complex and the Cysteine Residues Are Required for Cell Death. Plant Physiology, 2017, 173, 771-787.	2.3	134
20	Regulation of Arabidopsis brassinosteroid receptor BRI1 endocytosis and degradation by plant U-box PUB12/PUB13-mediated ubiquitination. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1906-E1915.	3.3	134
21	A tomato Bâ€box protein Sl<scp>BBX</scp>20 modulates carotenoid biosynthesis by directly activating <scp>PHYTOENE SYNTHASE</scp>A1, and is targeted for 26S proteasomeâ€mediated degradation. New Phytologist, 2019, 221, 279-294.	3.5	127
22	Microbial signature-triggered plant defense responses and early signaling mechanisms. Plant Science, 2014, 228, 118-126.	1.7	119
23	The <scp>P</scp>seudomonas syringae effector HopF2 suppresses Arabidopsis immunity by targeting <scp>BAK</scp>1. Plant Journal, 2014, 77, 235-245.	2.8	110
24	Phosphorylation of Trihelix Transcriptional Repressor ASR3 by MAP KINASE4 Negatively Regulates Arabidopsis Immunity. Plant Cell, 2015, 27, 839-856.	3.1	109
25	Big Roles of Small Kinases: The Complex Functions of Receptorâ€Like Cytoplasmic Kinases in Plant Immunity and Development. Journal of Integrative Plant Biology, 2013, 55, 1188-1197.	4.1	108
26	Ligand-induced monoubiquitination of BIK1 regulates plant immunity. Nature, 2020, 581, 199-203.	13.7	99
27	Specific control of Arabidopsis BAK1/SERK4-regulated cell death by protein glycosylation. Nature Plants, 2016, 2, 15218.	4.7	95
28	The Receptor-like Cytoplasmic Kinase BIK1 Localizes to the Nucleus and Regulates Defense Hormone Expression during Plant Innate Immunity. Cell Host and Microbe, 2018, 23, 485-497.e5.	5.1	92
29	Regulation of cotton (GossypiumÂhirsutum) drought responses by mitogenâ€activated protein (<scp>MAP</scp>) kinase cascadeâ€mediated phosphorylation of Gh<scp>WRKY</scp>59. New Phytologist, 2017, 215, 1462-1475.	3.5	91
30	Differential Regulation of Two-Tiered Plant Immunity and Sexual Reproduction by ANXUR Receptor-Like Kinases. Plant Cell, 2017, 29, 3140-3156.	3.1	89
31	The Receptor Kinases BAK1/SERK4 Regulate Ca2+ Channel-Mediated Cellular Homeostasis for Cell Death Containment. Current Biology, 2019, 29, 3778-3790.e8.	1.8	86
32	Cotton Gh<scp>BAK</scp>1 Mediates Verticillium Wilt Resistance and Cell Death. Journal of Integrative Plant Biology, 2013, 55, 586-596.	4.1	84
33	The Cotton Wall-Associated Kinase GhWAK7A Mediates Responses to Fungal Wilt Pathogens by Complexing with the Chitin Sensory Receptors. Plant Cell, 2020, 32, 3978-4001.	3.1	80
34	Lossâ€ofâ€function of Arabidopsis receptorâ€like kinase <scp>BIR</scp>1 activates cell death and defense responses mediated by <scp>BAK</scp>1 and <scp>SOBIR</scp>1. New Phytologist, 2016, 212, 637-645.	3.5	79
35	Functions of Calcium-Dependent Protein Kinases in Plant Innate Immunity. Plants, 2014, 3, 160-176.	1.6	77
36	The Use of Protoplasts to Study Innate Immune Responses. , 2007, 354, 1-10.		76

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37	The dominant negative ARM domain uncovers multiple functions of PUB13 in Arabidopsis immunity, flowering, and senescence. Journal of Experimental Botany, 2015, 66, 3353-3366.	2.4	76
38	Plant cell surface molecular cypher: Receptor-like proteins and their roles in immunity and development. Plant Science, 2018, 274, 242-251.	1.7	71
39	Modulation of RNA Polymerase II Phosphorylation Downstream of Pathogen Perception Orchestrates Plant Immunity. Cell Host and Microbe, 2014, 16, 748-758.	5.1	70
40	A phosphorylated transcription factor regulates sterol biosynthesis in Fusarium graminearum. Nature Communications, 2019, 10, 1228.	5.8	66
41	Phytocytokine signalling reopens stomata in plant immunity and water loss. Nature, 2022, 605, 332-339.	13.7	64
42	The receptor-like kinase NIK1 targets FLS2/BAK1 immune complex and inversely modulates antiviral and antibacterial immunity. Nature Communications, 2019, 10, 4996.	5.8	59
43	Protein Poly(ADP-ribosyl)ation Regulates Arabidopsis Immune Gene Expression and Defense Responses. PLoS Genetics, 2015, 11, e1004936.	1.5	57
44	The Arabidopsis MIK2 receptor elicits immunity by sensing a conserved signature from phytocytokines and microbes. Nature Communications, 2021, 12, 5494.	5.8	54
45	Plant plasma membraneâ€resident receptors: Surveillance for infections and coordination for growth and development. Journal of Integrative Plant Biology, 2021, 63, 79-101.	4.1	50
46	The cloak, dagger, and shield: proteases in plantâ€“pathogen interactions. Biochemical Journal, 2018, 475, 2491-2509.	1.7	49
47	PARylation of the forkheadâ€associated domain protein DAWDLE regulates plant immunity. EMBO Reports, 2016, 17, 1799-1813.	2.0	42
48	Proteolytic Processing of SERK3/BAK1 Regulates Plant Immunity, Development, and Cell Death. Plant Physiology, 2019, 180, 543-558.	2.3	42
49	Orchestration of Processing Body Dynamics and mRNA Decay in Arabidopsis Immunity. Cell Reports, 2019, 28, 2194-2205.e6.	2.9	40
50	The malectin-like receptor-like kinase LETUM1 modulates NLR protein SUMM2 activation via MEKK2 scaffolding. Nature Plants, 2020, 6, 1106-1115.	4.7	38
51	Phytocytokines function as immunological modulators of plant immunity. Stress Biology, 2021, 1, 8.	1.5	37
52	Ubiquitylome analysis reveals a central role for the ubiquitin-proteasome system in plant innate immunity. Plant Physiology, 2021, 185, 1943-1965.	2.3	30
53	Protein ADP-Ribosylation Takes Control in Plantâ€“Bacterium Interactions. PLoS Pathogens, 2016, 12, e1005941.	2.1	29
54	A gainâ€ofâ€function mutation in Msl10 triggers cell death and woundâ€induced hyperaccumulation of jasmonic acid in Arabidopsis. Journal of Integrative Plant Biology, 2016, 58, 600-609.	4.1	28

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55	Return of old foes â€" recurrence of bacterial blight and Fusarium wilt of cotton. Current Opinion in Plant Biology, 2019, 50, 95-103.	3.5	28
56	A trimeric CrRLK1L-LLG1 complex genetically modulates SUMM2-mediated autoimmunity. Nature Communications, 2020, 11, 4859.	5.8	28
57	SlBBX20 interacts with the COP9 signalosome subunit SlCSN5-2 to regulate anthocyanin biosynthesis by activating SlDFR expression in tomato. Horticulture Research, 2021, 8, 163.	2.9	27
58	Malectin-like receptor kinases as protector deities in plant immunity. Nature Plants, 2022, 8, 27-37.	4.7	24
59	Phosphorylation of receptor-like cytoplasmic kinases by bacterial Flagellin. Plant Signaling and Behavior, 2010, 5, 598-600.	1.2	22
60	It takes two to tango â€" molecular links between plant immunity and brassinosteroid signalling. Journal of Cell Science, 2020, 133, .	1.2	22
61	MAR1 suppresses inflammatory response in LPS-induced RAW 264.7 macrophages and human primary peripheral blood mononuclear cells via the SIRT1/PGC-1Î±/PPAR-Î³ pathway. Journal of Inflammation, 2021, 18, 8.	1.5	22
62	More than an on-and-off switch: Post-translational modifications of plant pattern recognition receptor complexes. Current Opinion in Plant Biology, 2021, 63, 102051.	3.5	18
63	Noncanonical mono(ADP-ribosyl)ation of zinc finger SZF proteins counteracts ubiquitination for protein homeostasis in plant immunity. Molecular Cell, 2021, 81, 4591-4604.e8.	4.5	17
64	Procyanidin B2 inhibits high glucose-induced epithelial-mesenchymal transition in HK-2 human renal proximal tubular epithelial cells. Molecular Medicine Reports, 2015, 12, 8148-8154.	1.1	16
65	Pipped at the Post: Pipecolic Acid Derivative Identified as SAR Regulator. Cell, 2018, 173, 286-287.	13.5	16
66	MicroRNAâ€186 is associated with hypoxiaâ€inducible factorâ€1Î± expression in chronic obstructive pulmonary disease. Molecular Genetics & Genomic Medicine, 2019, 7, e531.	0.6	16
67	Endless Hide-and-Seek: Dynamic Co-evolution in Plant-Bacterium Warfare. Journal of Integrative Plant Biology, 2007, 49, 105-111.	4.1	15
68	Coordinated regulation of plant immunity by poly(ADP-ribosyl)ation and K63-linked ubiquitination. Molecular Plant, 2021, 14, 2088-2103.	3.9	14
69	Multiple intramolecular trafficking signals in RESISTANCE TO POWDERY MILDEW 8.2 are engaged in activation of cell death and defense. Plant Journal, 2019, 98, 55-70.	2.8	13
70	Ubiquitination of Plant Immune Receptors. Methods in Molecular Biology, 2014, 1209, 219-231.	0.4	12
71	Stack Heterotrimeric G Proteins and MAPK Cascades on a RACK. Molecular Plant, 2015, 8, 1691-1693.	3.9	11
72	CYP2B6 genetic polymorphisms influence chronic obstructive pulmonary disease susceptibility in the Hainan population . International Journal of COPD, 2019, Volume 14, 2103-2115.	0.9	9

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73	RNA Interference-Based Screen Reveals Concerted Functions of MEKK2 and CRCK3 in Plant Cell Death Regulation. Plant Physiology, 2020, 183, 331-344.	2.3	9
74	A nonproteinaceous Fusarium cell wall extract triggers receptorâ€like proteinâ€dependent immune responses in Arabidopsis and cotton. New Phytologist, 2021, 230, 275-289.	3.5	9
75	Endothelial Differentiation Gene-1, a New Downstream Gene Is Involved in RTEF-1 Induced Angiogenesis in Endothelial Cells. PLoS ONE, 2014, 9, e88143.	1.1	8
76	TERT gene polymorphisms are associated with chronic obstructive pulmonary disease risk in the Chinese Li population. Molecular Genetics & Genomic Medicine, 2019, 7, e773.	0.6	8
77	Preliminary study of genome-wide association identifies novel susceptibility genes for serum mineral elements in the Chinese Han population. Biological Trace Element Research, 2022, 200, 2549-2555.	1.9	7
78	Glutamine alleviates the renal dysfunction associated with gentamicinâ€induced acute kidney injury in Sprague–Dawley rats. Biotechnology and Applied Biochemistry, 2022, 69, 323-329.	1.4	6
79	Construction of a Cotton VIGS Library for Functional Genomics Study. Methods in Molecular Biology, 2015, 1287, 267-279.	0.4	6
80	ROS around RIPK. Molecular Plant, 2021, 14, 1607-1609.	3.9	5
81	Detecting drought regulators using stochastic inference in Bayesian networks. PLoS ONE, 2021, 16, e0255486.	1.1	5
82	Oxidative Stress Suppresses Cysteinyl Leukotriene Generation by Mouse Bone Marrow-derived Mast Cells. Journal of Biological Chemistry, 2011, 286, 8277-8286.	1.6	4
83	Telomere length, ZNF208 genetic variants and risk of chronic obstructive pulmonary disease in the Hainan Li population. Journal of Gene Medicine, 2018, 20, e3061.	1.4	4
84	Cleave and Unleash: Metacaspases Prepare Peps for Work. Trends in Plant Science, 2019, 24, 787-790.	4.3	4
85	The correlation between CYP4F2 variants and chronic obstructive pulmonary disease risk in Hainan Han population. Respiratory Research, 2020, 21, 86.	1.4	4
86	The effect of CYP3A4 genetic variants on the susceptibility to chronic obstructive pulmonary disease in the Hainan Han population. Genomics, 2020, 112, 4399-4405.	1.3	2
87	Stress-induced activation of receptor signaling by protease-mediated cleavage. Biochemical Journal, 2021, 478, 1847-1852.	1.7	2
88	A â€˜GLoRyâ€™ Battle for Cotton against Fusarium. Trends in Plant Science, 2021, 26, 671-673.	4.3	2
89	Genome-wide association study of serum tumor markers in Southern Chinese Han population. BMC Cancer, 2022, 22, 160.	1.1	2
90	The oral secretion from Cotton Boll Weevil (Anthonomus grandis) induces defense responses in cotton (Gossypium spp) and Arabidopsis thaliana. Current Plant Biology, 2022, 31, 100250.	2.3	2

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91	A Portable Continuous Blood Purification Machine for Emergency Rescue in Disasters. Blood Purification, 2012, 33, 227-237.	0.9	1
92	Influence of the CYP2J2 Gene Polymorphisms on Chronic Obstructive Pulmonary Disease Risk in the Chinese Han Population. Archivos De Bronconeumologia, 2020, 56, 697-703.	0.4	1
93	Isolation of High-Molecular-Weight (HMW) DNA from Fusarium oxysporum for Long-Read Sequencing. Methods in Molecular Biology, 2022, 2391, 21-30.	0.4	1