

Jian-Min Zhou

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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.

125
papers

14,633
citations

61
h-index

120
g-index

163
ext. papers

18,900
ext. citations

14.1
avg, IF

6.76
L-index

#	Paper	IF	Citations
125	Firefly luciferase complementation imaging assay for protein-protein interactions in plants. <i>Plant Physiology</i> , 2008 , 146, 368-76	6.6	583
124	Initiation of Plant Disease Resistance by Physical Interaction of AvrPto and Pto Kinase. <i>Science</i> , 1996 , 274, 2060-3	33.3	575
123	Receptor-like cytoplasmic kinases integrate signaling from multiple plant immune receptors and are targeted by a <i>Pseudomonas syringae</i> effector. <i>Cell Host and Microbe</i> , 2010 , 7, 290-301	23.4	527
122	Derepression of ethylene-stabilized transcription factors (EIN3/EIL1) mediates jasmonate and ethylene signaling synergy in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 12539-44	11.5	474
121	A <i>Pseudomonas syringae</i> effector inactivates MAPKs to suppress PAMP-induced immunity in plants. <i>Cell Host and Microbe</i> , 2007 , 1, 175-85	23.4	467
120	Structural basis for flg22-induced activation of the <i>Arabidopsis</i> FLS2-BAK1 immune complex. <i>Science</i> , 2013 , 342, 624-8	33.3	426
119	The FLS2-associated kinase BIK1 directly phosphorylates the NADPH oxidase RbohD to control plant immunity. <i>Cell Host and Microbe</i> , 2014 , 15, 329-38	23.4	424
118	Chitin-induced dimerization activates a plant immune receptor. <i>Science</i> , 2012 , 336, 1160-4	33.3	396
117	The Pto kinase conferring resistance to tomato bacterial speck disease interacts with proteins that bind a cis-element of pathogenesis-related genes. <i>EMBO Journal</i> , 1997 , 16, 3207-18	13	374
116	The tomato gene Pti1 encodes a serine/threonine kinase that is phosphorylated by Pto and is involved in the hypersensitive response. <i>Cell</i> , 1995 , 83, 925-35	56.2	346
115	<i>Pseudomonas syringae</i> effector AvrPto blocks innate immunity by targeting receptor kinases. <i>Current Biology</i> , 2008 , 18, 74-80	6.3	343
114	The phosphothreonine lyase activity of a bacterial type III effector family. <i>Science</i> , 2007 , 315, 1000-3	33.3	322
113	Receptor Kinases in Plant-Pathogen Interactions: More Than Pattern Recognition. <i>Plant Cell</i> , 2017 , 29, 618-637	11.6	295
112	Identification of microRNAs involved in pathogen-associated molecular pattern-triggered plant innate immunity. <i>Plant Physiology</i> , 2010 , 152, 2222-31	6.6	286
111	Phytopathogen effectors subverting host immunity: different foes, similar battleground. <i>Cell Host and Microbe</i> , 2012 , 12, 484-95	23.4	281
110	Reconstitution and structure of a plant NLR resistosome conferring immunity. <i>Science</i> , 2019 , 364,	33.3	272
109	Pti4 is induced by ethylene and salicylic acid, and its product is phosphorylated by the Pto kinase. <i>Plant Cell</i> , 2000 , 12, 771-86	11.6	253

108	Disruption of PAMP-induced MAP kinase cascade by a <i>Pseudomonas syringae</i> effector activates plant immunity mediated by the NB-LRR protein SUMM2. <i>Cell Host and Microbe</i> , 2012 , 11, 253-63	23.4	240
107	<i>Arabidopsis</i> CYP86A2 represses <i>Pseudomonas syringae</i> type III genes and is required for cuticle development. <i>EMBO Journal</i> , 2004 , 23, 2903-13	13	232
106	A <i>Xanthomonas</i> uridine 5-monophosphate transferase inhibits plant immune kinases. <i>Nature</i> , 2012 , 485, 114-8	50.4	227
105	Flagellin induces innate immunity in nonhost interactions that is suppressed by <i>Pseudomonas syringae</i> effectors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 12990-5	11.5	222
104	ETHYLENE INSENSITIVE3 and ETHYLENE INSENSITIVE3-LIKE1 repress SALICYLIC ACID INDUCTION DEFICIENT2 expression to negatively regulate plant innate immunity in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2009 , 21, 2527-40	11.6	220
103	Multiple rice microRNAs are involved in immunity against the blast fungus <i>Magnaporthe oryzae</i> . <i>Plant Physiology</i> , 2014 , 164, 1077-92	6.6	201
102	BIK1 interacts with PEPRs to mediate ethylene-induced immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 6205-10	11.5	201
101	Plant immunity triggered by microbial molecular signatures. <i>Molecular Plant</i> , 2010 , 3, 783-93	14.4	200
100	Apoplastic ROS signaling in plant immunity. <i>Current Opinion in Plant Biology</i> , 2017 , 38, 92-100	9.9	198
99	Reactive oxygen species signaling and stomatal movement in plant responses to drought stress and pathogen attack. <i>Journal of Integrative Plant Biology</i> , 2018 , 60, 805-826	8.3	190
98	Ligand-triggered allosteric ADP release primes a plant NLR complex. <i>Science</i> , 2019 , 364,	33.3	175
97	A <i>Pseudomonas syringae</i> ADP-ribosyltransferase inhibits <i>Arabidopsis</i> mitogen-activated protein kinase kinases. <i>Plant Cell</i> , 2010 , 22, 2033-44	11.6	174
96	Plant Immunity: Danger Perception and Signaling. <i>Cell</i> , 2020 , 181, 978-989	56.2	172
95	Receptor-Like Cytoplasmic Kinases: Central Players in Plant Receptor Kinase-Mediated Signaling. <i>Annual Review of Plant Biology</i> , 2018 , 69, 267-299	30.7	169
94	S-nitrosylation positively regulates ascorbate peroxidase activity during plant stress responses. <i>Plant Physiology</i> , 2015 , 167, 1604-15	6.6	169
93	Structure, organization and expression of the metallothionein gene family in <i>Arabidopsis</i> . <i>Molecular Genetics and Genomics</i> , 1995 , 248, 318-28		163
92	Purification and immunological identification of metallothioneins 1 and 2 from <i>Arabidopsis thaliana</i> . <i>Plant Physiology</i> , 1997 , 113, 1293-301	6.6	158
91	Plant-bacterial pathogen interactions mediated by type III effectors. <i>Current Opinion in Plant Biology</i> , 2012 , 15, 469-76	9.9	152

90	Arabidopsis heterotrimeric G proteins regulate immunity by directly coupling to the FLS2 receptor. <i>ELife</i> , 2016 , 5, e13568	8.9	152
89	<i>Pseudomonas syringae</i> effector protein AvrB perturbs Arabidopsis hormone signaling by activating MAP kinase 4. <i>Cell Host and Microbe</i> , 2010 , 7, 164-75	23.4	150
88	Regulation of the type III secretion system in phytopathogenic bacteria. <i>Molecular Plant-Microbe Interactions</i> , 2006 , 19, 1159-66	3.6	150
87	The structural basis for activation of plant immunity by bacterial effector protein AvrPto. <i>Nature</i> , 2007 , 449, 243-7	50.4	149
86	Allopolyploidy alters gene expression in the highly stable hexaploid wheat. <i>Plant Molecular Biology</i> , 2003 , 52, 401-14	4.6	144
85	The <i>Pseudomonas</i> AvrPto protein is differentially recognized by tomato and tobacco and is localized to the plant plasma membrane. <i>Plant Cell</i> , 2000 , 12, 2323-2338	11.6	144
84	Plant pathogenic bacterial type III effectors subdue host responses. <i>Current Opinion in Microbiology</i> , 2008 , 11, 179-85	7.9	138
83	A single transcription factor promotes both yield and immunity in rice. <i>Science</i> , 2018 , 361, 1026-1028	33.3	138
82	Interplay of the Arabidopsis nonhost resistance gene NHO1 with bacterial virulence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 3519-24	11.5	136
81	The Decoy Substrate of a Pathogen Effector and a Pseudokinase Specify Pathogen-Induced Modified-Self Recognition and Immunity in Plants. <i>Cell Host and Microbe</i> , 2015 , 18, 285-95	23.4	126
80	Activation of a COI1-dependent pathway in Arabidopsis by <i>Pseudomonas syringae</i> type III effectors and coronatine. <i>Plant Journal</i> , 2004 , 37, 589-602	6.9	121
79	Arabidopsis NHO1 is required for general resistance against <i>Pseudomonas</i> bacteria. <i>Plant Cell</i> , 2001 , 13, 437-47	11.6	119
78	Pattern-recognition receptors are required for NLR-mediated plant immunity. <i>Nature</i> , 2021 , 592, 105-109	30.4	118
77	Receptor-Like Cytoplasmic Kinases Directly Link Diverse Pattern Recognition Receptors to the Activation of Mitogen-Activated Protein Kinase Cascades in Arabidopsis. <i>Plant Cell</i> , 2018 , 30, 1543-1561	11.6	102
76	The U-Box/ARM E3 ligase PUB13 regulates cell death, defense, and flowering time in Arabidopsis. <i>Plant Physiology</i> , 2012 , 159, 239-50	6.6	100
75	A cluster of mutations disrupt the avirulence but not the virulence function of AvrPto. <i>Molecular Plant-Microbe Interactions</i> , 2000 , 13, 592-8	3.6	98
74	RAR1, a central player in plant immunity, is targeted by <i>Pseudomonas syringae</i> effector AvrB. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 19200-5	11.5	96
73	A Regulatory Module Controlling Homeostasis of a Plant Immune Kinase. <i>Molecular Cell</i> , 2018 , 69, 493-504	14.6	88

72	<i>Pseudomonas syringae</i> pv tomato induces the expression of tomato EREBP-like genes <i>pti4</i> and <i>pti5</i> independent of ethylene, salicylate and jasmonate. <i>Plant Journal</i> , 1999 , 20, 475-83	6.9	85
71	Two cytoplasmic effectors of <i>Phytophthora sojae</i> regulate plant cell death via interactions with plant catalases. <i>Plant Physiology</i> , 2015 , 167, 164-75	6.6	75
70	Receptor-like kinases in plant innate immunity. <i>Journal of Integrative Plant Biology</i> , 2013 , 55, 1271-86	8.3	74
69	Overexpression of <i>Pti5</i> in tomato potentiates pathogen-induced defense gene expression and enhances disease resistance to <i>Pseudomonas syringae</i> pv. tomato. <i>Molecular Plant-Microbe Interactions</i> , 2001 , 14, 1453-7	3.6	74
68	The Arabidopsis Protein Phosphatase PP2C38 Negatively Regulates the Central Immune Kinase BIK1. <i>PLoS Pathogens</i> , 2016 , 12, e1005811	7.6	74
67	Plant immune signaling: Advancing on two frontiers. <i>Journal of Integrative Plant Biology</i> , 2020 , 62, 2-24	8.3	72
66	Plant immunity: a lesson from pathogenic bacterial effector proteins. <i>Cellular Microbiology</i> , 2009 , 11, 1453-61	3.9	70
65	A cyclic nucleotide-gated channel mediates cytoplasmic calcium elevation and disease resistance in rice. <i>Cell Research</i> , 2019 , 29, 820-831	24.7	61
64	The ZAR1 resistosome is a calcium-permeable channel triggering plant immune signaling. <i>Cell</i> , 2021 , 184, 3528-3541.e12	56.2	61
63	In planta induced genes of <i>Puccinia triticina</i> . <i>Molecular Plant Pathology</i> , 2003 , 4, 51-6	5.7	59
62	Deficient plastidic fatty acid synthesis triggers cell death by modulating mitochondrial reactive oxygen species. <i>Cell Research</i> , 2015 , 25, 621-33	24.7	57
61	Activation-Dependent Destruction of a Co-receptor by a <i>Pseudomonas syringae</i> Effector Dampens Plant Immunity. <i>Cell Host and Microbe</i> , 2016 , 20, 504-514	23.4	57
60	The MAP4 Kinase SIK1 Ensures Robust Extracellular ROS Burst and Antibacterial Immunity in Plants. <i>Cell Host and Microbe</i> , 2018 , 24, 379-391.e5	23.4	57
59	An Arabidopsis Plasma Membrane Proton ATPase Modulates JA Signaling and Is Exploited by the <i>Pseudomonas syringae</i> Effector Protein AvrB for Stomatal Invasion. <i>Plant Cell</i> , 2015 , 27, 2032-41	11.6	56
58	BAK1 is not a target of the <i>Pseudomonas syringae</i> effector AvrPto. <i>Molecular Plant-Microbe Interactions</i> , 2011 , 24, 100-7	3.6	56
57	Roles of Receptor-Like Cytoplasmic Kinase VII Members in Pattern-Triggered Immune Signaling. <i>Plant Physiology</i> , 2018 , 177, 1679-1690	6.6	55
56	Genome-wide gene expression analysis of <i>Pseudomonas syringae</i> pv. tomato DC3000 reveals overlapping and distinct pathways regulated by <i>hrpL</i> and <i>hrpRS</i> . <i>Molecular Plant-Microbe Interactions</i> , 2006 , 19, 976-87	3.6	53
55	Ligand-triggered de-repression of Arabidopsis heterotrimeric G proteins coupled to immune receptor kinases. <i>Cell Research</i> , 2018 , 28, 529-543	24.7	50

54	Deacetylation of chitin oligomers increases virulence in soil-borne fungal pathogens. <i>Nature Plants</i> , 2019 , 5, 1167-1176	11.5	50
53	The <i>Pseudomonas syringae</i> pv. tomato DC3000 type III effector HopF2 has a putative myristoylation site required for its avirulence and virulence functions. <i>Molecular Plant-Microbe Interactions</i> , 2006 , 19, 130-8	3.6	50
52	A nitrilase-like protein interacts with GCC box DNA-binding proteins involved in ethylene and defense responses. <i>Plant Physiology</i> , 1998 , 118, 867-74	6.6	46
51	PUB25 and PUB26 Promote Plant Freezing Tolerance by Degrading the Cold Signaling Negative Regulator MYB15. <i>Developmental Cell</i> , 2019 , 51, 222-235.e5	10.2	44
50	Effector-triggered and pathogen-associated molecular pattern-triggered immunity differentially contribute to basal resistance to <i>Pseudomonas syringae</i> . <i>Molecular Plant-Microbe Interactions</i> , 2010 , 23, 940-8	3.6	43
49	Expression of 35S::Pto globally activates defense-related genes in tomato plants. <i>Plant Physiology</i> , 2001 , 126, 1637-45	6.6	41
48	MAP Kinase Signaling Pathways: A Hub of Plant-Microbe Interactions. <i>Cell Host and Microbe</i> , 2017 , 21, 270-273	23.4	40
47	Proline isomerization of the immune receptor-interacting protein RIN4 by a cyclophilin inhibits effector-triggered immunity in <i>Arabidopsis</i> . <i>Cell Host and Microbe</i> , 2014 , 16, 473-83	23.4	40
46	Malate Circulation: Linking Chloroplast Metabolism to Mitochondrial ROS. <i>Trends in Plant Science</i> , 2020 , 25, 446-454	13.1	38
45	The myristylation motif of Pto is not required for disease resistance. <i>Molecular Plant-Microbe Interactions</i> , 1998 , 11, 572-6	3.6	36
44	Danger-Associated Peptides Close Stomata by OST1-Independent Activation of Anion Channels in Guard Cells. <i>Plant Cell</i> , 2018 , 30, 1132-1146	11.6	35
43	Mutation of Lon protease differentially affects the expression of <i>Pseudomonas syringae</i> type III secretion system genes in rich and minimal media and reduces pathogenicity. <i>Molecular Plant-Microbe Interactions</i> , 2007 , 20, 682-96	3.6	35
42	The HopPtoF locus of <i>Pseudomonas syringae</i> pv. tomato DC3000 encodes a type III chaperone and a cognate effector. <i>Molecular Plant-Microbe Interactions</i> , 2004 , 17, 447-55	3.6	34
41	Plant pattern-recognition receptors controlling innate immunity. <i>Science China Life Sciences</i> , 2016 , 59, 878-88	8.5	33
40	Structural basis for the catalytic mechanism of phosphothreonine lyase. <i>Nature Structural and Molecular Biology</i> , 2008 , 15, 101-2	17.6	33
39	Two-component sensor RhpS promotes induction of <i>Pseudomonas syringae</i> type III secretion system by repressing negative regulator RhpR. <i>Molecular Plant-Microbe Interactions</i> , 2007 , 20, 223-34	3.6	30
38	Plant Immune Mechanisms: From Reductionistic to Holistic Points of View. <i>Molecular Plant</i> , 2020 , 13, 1358-1378	14.4	30
37	An <i>Arabidopsis</i> Secondary Metabolite Directly Targets Expression of the Bacterial Type III Secretion System to Inhibit Bacterial Virulence. <i>Cell Host and Microbe</i> , 2020 , 27, 601-613.e7	23.4	29

36	Pseudomonas syringae pv. phaseolicola Mutants Compromised for type III secretion system gene induction. <i>Molecular Plant-Microbe Interactions</i> , 2009 , 22, 964-76	3.6	28
35	The EDS1-PAD4-ADR1 node mediates Arabidopsis pattern-triggered immunity. <i>Nature</i> , 2021 , 598, 495-499	30.4	28
34	Bacterial Effectors Induce Oligomerization of Immune Receptor ZAR1 In Vivo. <i>Molecular Plant</i> , 2020 , 13, 793-801	14.4	26
33	A Phytophthora sojae effector PsCRN63 forms homo-/hetero-dimers to suppress plant immunity via an inverted association manner. <i>Scientific Reports</i> , 2016 , 6, 26951	4.9	26
32	Transnitrosylation Mediated by the Non-canonical Catalase ROG1 Regulates Nitric Oxide Signaling in Plants. <i>Developmental Cell</i> , 2020 , 53, 444-457.e5	10.2	22
31	Loss of the common immune coreceptor BAK1 leads to NLR-dependent cell death. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 27044-27053	11.5	22
30	Luciferase Complementation Assay for Protein-Protein Interactions in Plants. <i>Current Protocols in Plant Biology</i> , 2018 , 3, 42-50	2.8	19
29	Regulation of mitochondrial NAD pool via NAD transporter 2 is essential for matrix NADH homeostasis and ROS production in Arabidopsis. <i>Science China Life Sciences</i> , 2019 , 62, 991-1002	8.5	17
28	Overexpression of Pto induces a salicylate-independent cell death but inhibits necrotic lesions caused by salicylate-deficiency in tomato plants. <i>Molecular Plant-Microbe Interactions</i> , 2002 , 15, 654-61	3.6	17
27	Pseudomonas syringae two-component response regulator RhpR regulates promoters carrying an inverted repeat element. <i>Molecular Plant-Microbe Interactions</i> , 2010 , 23, 927-39	3.6	16
26	A gain-of-function mutation in Msl10 triggers cell death and wound-induced hyperaccumulation of jasmonic acid in Arabidopsis. <i>Journal of Integrative Plant Biology</i> , 2016 , 58, 600-9	8.3	16
25	The multilevel and dynamic interplay between plant and pathogen. <i>Plant Signaling and Behavior</i> , 2009 , 4, 283-93	2.5	14
24	Pathogen recognition and signal transduction by the Pto kinase. <i>Journal of Plant Research</i> , 1998 , 111, 353-356	2.6	14
23	Pto mutants differentially activate Prf-dependent, avrPto-independent resistance and gene-for-gene resistance. <i>Plant Physiology</i> , 2003 , 131, 1239-49	6.6	14
22	Pattern-recognition receptors are required for NLR-mediated plant immunity		14
21	Blocking and triggering of plant immunity by Pseudomonas syringae effector AvrPto. <i>Plant Signaling and Behavior</i> , 2008 , 3, 583-5	2.5	12
20	Arabidopsis cell surface LRR immune receptor signaling through the EDS1-PAD4-ADR1 node		12
19	Tobacco genes induced by the bacterial effector protein AvrPto. <i>Molecular Plant-Microbe Interactions</i> , 2004 , 17, 1139-45	3.6	11

18	Effector-triggered innate immunity contributes Arabidopsis resistance to <i>Xanthomonas campestris</i> . <i>Molecular Plant Pathology</i> , 2010 , 11, 783-93	5.7	10
17	A receptor-like protein from <i>Nicotiana benthamiana</i> mediates VmE02 PAMP-triggered immunity. <i>New Phytologist</i> , 2021 , 229, 2260-2272	9.8	10
16	Plant Pathology: A Life and Death Struggle in Rice Blast Disease. <i>Current Biology</i> , 2016 , 26, R843-R845	6.3	9
15	Early signalling mechanisms underlying receptor kinase-mediated immunity in plants. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019 , 374, 20180310	5.8	8
14	Regulation of Cell Death and Signaling by Pore-Forming Resistosomes. <i>Annual Review of Phytopathology</i> , 2021 , 59, 239-263	10.8	8
13	The secret of fertilization in flowering plants unveiled. <i>Science Bulletin</i> , 2018 , 63, 408-410	10.6	7
12	Arabidopsis NHO1 Is Required for General Resistance against <i>Pseudomonas</i> Bacteria. <i>Plant Cell</i> , 2001 , 13, 437	11.6	7
11	Salicylic acid 2017 , 273-289		5
10	PEPRs spice up plant immunity. <i>EMBO Journal</i> , 2016 , 35, 4-5	13	5
9	Small RNA trafficking at the forefront of plant-pathogen interactions. <i>F1000Research</i> , 2018 , 7,	3.6	5
8	Nitric oxide negatively regulates gibberellin signaling to coordinate growth and salt tolerance in Arabidopsis.. <i>Journal of Genetics and Genomics</i> , 2022 ,	4	3
7	Role of small RNAs in the interaction between Arabidopsis and <i>Pseudomonas syringae</i> . <i>Frontiers in Biology</i> , 2011 , 6, 462-467		2
6	MPK3- and MPK6-mediated VLN3 phosphorylation regulates actin dynamics during stomatal immunity in Arabidopsis. <i>Nature Communications</i> , 2021 , 12, 6474	17.4	2
5	The <i>Pseudomonas</i> AvrPto Protein Is Differentially Recognized by Tomato and Tobacco and Is Localized to the Plant Plasma Membrane. <i>Plant Cell</i> , 2000 , 12, 2323	11.6	1
4	The origin and evolution of a plant resistosome.. <i>Plant Cell</i> , 2022 ,	11.6	1
3	Research on ADR1s helps understanding the plant immune network. <i>Stress Biology</i> ,1		1
2	A <i>Phytophthora capsici</i> RXLR effector targets and inhibits the central immune kinases to suppress plant immunity. <i>New Phytologist</i> , 2021 , 232, 264-278	9.8	0
1	Effectors of Bacterial Pathogens: Modes of Action and Plant Targets 2012 , 81-106		

