

Plant "helper" immune receptors are Ca²⁺ channels

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Calcium channels at the center of nucleotide-binding leucine-rich repeat receptor-mediated plant immunity. <i>Journal of Genetics and Genomics</i> , 2021, 48, 429-432.	1.7	0
2	Channeling plant immunity. <i>Cell</i> , 2021, 184, 3358-3360.	13.5	14
3	Dynamic localization of a helper NLR at the plant-pathogen interface underpins pathogen recognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	36
4	Nucleocytoplasmic trafficking during immunity. <i>Molecular Plant</i> , 2021, 14, 1612-1614.	3.9	1
5	ZAR1 resistosome and helper NLRs: Bringing in calcium and inducing cell death. <i>Molecular Plant</i> , 2021, 14, 1234-1236.	3.9	8
6	Calcium Signaling Mechanisms Across Kingdoms. <i>Annual Review of Cell and Developmental Biology</i> , 2021, 37, 311-340.	4.0	98
7	A playbook for developing disease-resistant crops through immune receptor identification and transfer. <i>Current Opinion in Plant Biology</i> , 2021, 62, 102089.	3.5	11
8	NADase and now Ca ²⁺ channel, what else to learn about plant NLRs?. <i>Stress Biology</i> , 2021, 1, 1.	1.5	1
9	The truncated TNL receptor TN2-mediated immune responses require ADR1 function. <i>Plant Journal</i> , 2021, 108, 672-689.	2.8	9
10	Parasite effectors target helper NLRs in plants to suppress immunity-related cell death. <i>PLoS Biology</i> , 2021, 19, e3001395.	2.6	2
11	Flg22-induced Ca ²⁺ increases undergo desensitization and resensitization. <i>Plant, Cell and Environment</i> , 2021, 44, 3793-3805.	2.8	11
12	Molecular Mechanism & Structure Zooming in on Plant Immunity. <i>Molecular Plant-Microbe Interactions</i> , 2021, 34, 1346-1349.	1.4	4
13	Plant immune networks. <i>Trends in Plant Science</i> , 2022, 27, 255-273.	4.3	140
15	An LRR-only protein promotes NLP-triggered cell death and disease susceptibility by facilitating oligomerization of NLP in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2021, 232, 1808-1822.	3.5	17
16	Network organization of the plant immune system: from pathogen perception to robust defense induction. <i>Plant Journal</i> , 2022, 109, 447-470.	2.8	38
17	The long road to engineering durable disease resistance in wheat. <i>Current Opinion in Biotechnology</i> , 2022, 73, 270-275.	3.3	14
18	A vector system for fast-forward studies of the HOPZ-ACTIVATED RESISTANCE1 (ZAR1) resistosome in the model plant <i>Nicotiana benthamiana</i> . <i>Plant Physiology</i> , 2022, 188, 70-80.	2.3	11
19	Nucleotide-binding leucine-rich repeat proteins: a missing link in controlling cell fate and plant adaptation to hostile environment?. <i>Journal of Experimental Botany</i> , 2022, 73, 631-635.	2.4	1

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20	How activated NLRs induce anti-microbial defenses in plants. <i>Biochemical Society Transactions</i> , 2021, 49, 2177-2188.	1.6	14
22	Plasma membrane-localized plant immune receptor targets H ⁺ -ATPase for membrane depolarization to regulate cell death. <i>New Phytologist</i> , 2022, 233, 934-947.	3.5	12
23	Arabidopsis ADR1 helper NLR immune receptors localize and function at the plasma membrane in a phospholipid dependent manner. <i>New Phytologist</i> , 2021, 232, 2440-2456.	3.5	36
27	Structural basis of NLR activation and innate immune signalling in plants. <i>Immunogenetics</i> , 2022, 74, 5-26.	1.2	51
28	A tale of many families: calcium channels in plant immunity. <i>Plant Cell</i> , 2022, 34, 1551-1567.	3.1	45
29	Thirty years of resistance: Zig-zag through the plant immune system. <i>Plant Cell</i> , 2022, 34, 1447-1478.	3.1	318
30	The shikimate pathway regulates programmed cell death. <i>Journal of Genetics and Genomics</i> , 2022, 49, 943-951.	1.7	5
31	Research on ADR1s helps understanding the plant immune network. <i>Stress Biology</i> , 2022, 2, 1.	1.5	2
32	Molecular innovations in plant TIR-based immunity signaling. <i>Plant Cell</i> , 2022, 34, 1479-1496.	3.1	55
33	A Glimpse of Programmed Cell Death Among Bacteria, Animals, and Plants. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 790117.	1.8	3
34	A new biochemistry connecting pathogen detection to induced defense in plants. <i>New Phytologist</i> , 2022, 234, 819-826.	3.5	24
35	Life-or-death decisions in plant immunity. <i>Current Opinion in Immunology</i> , 2022, 75, 102169.	2.4	8
36	Calcium/Calmodulin-Mediated Defense Signaling: What Is Looming on the Horizon for AtSR1/CAMTA3-Mediated Signaling in Plant Immunity. <i>Frontiers in Plant Science</i> , 2021, 12, 795353.	1.7	18
37	A TIRless battle: TIR domains in plant-pathogen interactions. <i>Trends in Plant Science</i> , 2022, 27, 426-429.	4.3	4
38	Interplay between Ca ²⁺ /Calmodulin-Mediated Signaling and AtSR1/CAMTA3 during Increased Temperature Resulting in Compromised Immune Response in Plants. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2175.	1.8	12
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41	Constituting plant immune responses via calcium-permeable cation channels. <i>New Phytologist</i> , 2022, 234, 813-818.	3.5	39

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42	An epiphany for plant resistance proteins and its impact on calcium-based immune signalling. <i>New Phytologist</i> , 2022, 234, 769-772.	3.5	4
43	Cavity surface residues of <sc>PAD4</sc> and <sc>SAG101</sc> contribute to <sc>EDS1</sc> dimer signaling specificity in plant immunity. <i>Plant Journal</i> , 2022, 110, 1415-1432.	2.8	20
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45	<i>Xylella fastidiosa</i>'s relationships: the bacterium, the host plants, and the plant microbiome. <i>New Phytologist</i> , 2022, 234, 1598-1605.	3.5	17
49	Plant autoimmunity—fresh insights into an old phenomenon. <i>Plant Physiology</i> , 2022, 188, 1419-1434.	2.3	15
51	Evolution of NLR Resistance Genes in Magnoliids: Dramatic Expansions of CNLs and Multiple Losses of TNLs. <i>Frontiers in Plant Science</i> , 2021, 12, 777157.	1.7	11
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57	Robust transcriptional indicators of immune cell death revealed by spatiotemporal transcriptome analyses. <i>Molecular Plant</i> , 2022, 15, 1059-1075.	3.9	17
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65	Sphingolipids in plant immunity. <i>Phytopathology Research</i> , 2022, 4, .	0.9	6
66	The respiratory cytotoxicity of typical organophosphorus flame retardants on five different respiratory tract cells: Which are the most sensitive one?. <i>Environmental Pollution</i> , 2022, 307, 119564.	3.7	11
67	The <i>Arabidopsis thaliana</i>'s <i>Fusarium oxysporum</i> strain 5176 pathosystem: an overview. <i>Journal of Experimental Botany</i> , 2022, 73, 6052-6067.	2.4	3
68	Unconventional R proteins in the botanical tribe Triticeae. <i>Essays in Biochemistry</i> , 0, , .	2.1	3

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69	Transcriptional regulation of plant innate immunity. <i>Essays in Biochemistry</i> , 2022, 66, 607-620.	2.1	9
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80	TIR-catalyzed ADP-ribosylation reactions produce signaling molecules for plant immunity. <i>Science</i> , 2022, 377, .	6.0	91
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109	Calcium signaling in plant immunity: a spatiotemporally controlled symphony. <i>Trends in Plant Science</i> , 2023, 28, 74-89.	4.3	19
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130	TIR-catalyzed nucleotide signaling molecules in plant defense. <i>Current Opinion in Plant Biology</i> , 2023, 73, 102334.	3.5	11
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138	After the trap snaps in the plant immune response. <i>Cell Host and Microbe</i> , 2023, 31, 323-324.	5.1	1
139	Plant and prokaryotic TIR domains generate distinct cyclic ADPR NADase products. <i>Science Advances</i> , 2023, 9, .	4.7	24
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184	Editorial: Regulation of plant immunity by immune receptors. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	0

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211	Defense signaling pathways in resistance to plant viruses: Crosstalk and finger pointing. <i>Advances in Virus Research</i> , 2024, , 77-212.	0.9	0