Xinnian Dong

List of Publications by Year
in descending order

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67 papers	20,028 citations	34105 52 h-index	98798 67 g-index
67 all docs	67 docs citations	67 times ranked	13124 citing authors

#	Article	IF	Citations
1	The Arabidopsis NPR1 Gene That Controls Systemic Acquired Resistance Encodes a Novel Protein Containing Ankyrin Repeats. Cell, 1997, 88, 57-63.	28.9	1,408
2	Inducers of Plant Systemic Acquired Resistance Regulate NPR1 Function through Redox Changes. Cell, 2003, 113, 935-944.	28.9	1,348
3	Systemic Acquired Resistance: Turning Local Infection into Global Defense. Annual Review of Plant Biology, 2013, 64, 839-863.	18.7	1,234
4	NPR1 Modulates Cross-Talk between Salicylate- and Jasmonate-Dependent Defense Pathways through a Novel Function in the Cytosol. Plant Cell, 2003, 15, 760-770.	6.6	1,011
5	Plant Immunity Requires Conformational Charges of NPR1 via S-Nitrosylation and Thioredoxins. Science, 2008, 321, 952-956.	12.6	964
6	How do plants achieve immunity? Defence without specialized immune cells. Nature Reviews Immunology, 2012, 12, 89-100.	22.7	904
7	NPR3 and NPR4 are receptors for the immune signal salicylic acid in plants. Nature, 2012, 486, 228-232.	27.8	834
8	NPR1, all things considered. Current Opinion in Plant Biology, 2004, 7, 547-552.	7.1	701
9	A Genomic Approach to Identify Regulatory Nodes in the Transcriptional Network of Systemic Acquired Resistance in Plants. PLoS Pathogens, 2006, 2, e123.	4.7	651
10	SA, JA, ethylene, and disease resistance in plants. Current Opinion in Plant Biology, 1998, 1, 316-323.	7.1	636
11	Nuclear Localization of NPR1 Is Required for Activation of PR Gene Expression. Plant Cell, 2000, 12, 2339-2350.	6.6	587
12	Coronatine Promotes Pseudomonas syringae Virulence in Plants by Activating a Signaling Cascade that Inhibits Salicylic Acid Accumulation. Cell Host and Microbe, 2012, 11, 587-596.	11.0	547
13	Characterization of an Arabidopsis Mutant That Is Nonresponsive to Inducers of Systemic Acquired Resistance. Plant Cell, 1994, 6, 1583.	6.6	533
14	Induction of Protein Secretory Pathway Is Required for Systemic Acquired Resistance. Science, 2005, 308, 1036-1040.	12.6	524
15	Proteasome-Mediated Turnover of the Transcription Coactivator NPR1 Plays Dual Roles in Regulating Plant Immunity. Cell, 2009, 137, 860-872.	28.9	494
16	Making Sense of Hormone Crosstalk during Plant Immune Responses. Cell Host and Microbe, 2008, 3, 348-351.	11.0	483
17	A Gain-of-Function Mutation in a Plant Disease Resistance Gene Leads to Constitutive Activation of Downstream Signal Transduction Pathways in suppressor of npr1-1, constitutive 1. Plant Cell, 2003, 15, 2636-2646.	6.6	446
18	Roles of Salicylic Acid, Jasmonic Acid, and Ethylene in cpr-Induced Resistance in Arabidopsis. Plant Cell, 2000, 12, 2175-2190.	6.6	407

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19	Timing of plant immune responses by a central circadian regulator. Nature, 2011, 470, 110-114.	27.8	404
20	In Vivo Interaction between NPR1 and Transcription Factor TGA2 Leads to Salicylic Acidâ€“Mediated Gene Activation in Arabidopsis. Plant Cell, 2002, 14, 1377-1389.	6.6	392
21	Evidence for a disease-resistance pathway in rice similar to the NPR1-mediated signaling pathway in Arabidopsis. Plant Journal, 2001, 27, 101-113.	5.7	311
22	uORF-mediated translation allows engineered plant disease resistance without fitness costs. Nature, 2017, 545, 491-494.	27.8	300
23	Salicylic acid receptors activate jasmonic acid signalling through a non-canonical pathway to promote effector-triggered immunity. Nature Communications, 2016, 7, 13099.	12.8	274
24	Uncoupling PR Gene Expression from NPR1 and Bacterial Resistance: Characterization of the Dominant Arabidopsis cpr6-1 Mutant. Plant Cell, 1998, 10, 557-569.	6.6	266
25	Activation of an EDS1-Mediated R-Gene Pathway in the snc1 Mutant Leads to Constitutive, NPR1-Independent Pathogen Resistance. Molecular Plant-Microbe Interactions, 2001, 14, 1131-1139.	2.6	252
26	Identification and Cloning of a Negative Regulator of Systemic Acquired Resistance, SNI1, through a Screen for Suppressors of npr1-1. Cell, 1999, 98, 329-339.	28.9	240
27	The HSF-like Transcription Factor TBF1 Is a Major Molecular Switch for Plant Growth-to-Defense Transition. Current Biology, 2012, 22, 103-112.	3.9	231
28	Global translational reprogramming is a fundamental layer of immune regulation in plants. Nature, 2017, 545, 487-490.	27.8	206
29	Perception of the plant immune signal salicylic acid. Current Opinion in Plant Biology, 2014, 20, 64-68.	7.1	204
30	A fast neutron deletion mutagenesis-based reverse genetics system for plants. Plant Journal, 2001, 27, 235-242.	5.7	200
31	Posttranslational Modifications of the Master Transcriptional Regulator NPR1 Enable Dynamic but Tight Control of Plant Immune Responses. Cell Host and Microbe, 2015, 18, 169-182.	11.0	199
32	Genetic dissection of systemic acquired resistance. Current Opinion in Plant Biology, 2001, 4, 309-314.	7.1	187
33	Formation of NPR1 Condensates Promotes Cell Survival during the Plant Immune Response. Cell, 2020, 182, 1093-1108.e18.	28.9	183
34	Spatial and temporal regulation of biosynthesis of the plant immune signal salicylic acid. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9166-9173.	7.1	181
35	Redox rhythm reinforces the circadian clock to gate immune response. Nature, 2015, 523, 472-476.	27.8	167
36	Arabidopsis SNI1 and RAD51D regulate both gene transcription and DNA recombination during the defense response. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4223-4227.	7.1	133

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37	Overexpression of Arabidopsis <i>MAP kinase kinase 7</i> leads to activation of plant basal and systemic acquired resistance. Plant Journal, 2007, 52, 1066-1079.	5.7	130
38	Nuclear Pore Permeabilization Is a Convergent Signaling Event in Effector-Triggered Immunity. Cell, 2016, 166, 1526-1538.e11.	28.9	128
39	Salicylic Acid Activates DNA Damage Responses to Potentiate Plant Immunity. Molecular Cell, 2013, 52, 602-610.	9.7	126
40	Post-translational regulation of plant immunity. Current Opinion in Plant Biology, 2017, 38, 124-132.	7.1	126
41	Membrane Trafficking in Plant Immunity. Molecular Plant, 2017, 10, 1026-1034.	8.3	117
42	Constitutive salicylic acid-dependent signaling in cpr1 and cpr6 mutants requires PAD4. Plant Journal, 2001, 26, 395-407.	5.7	113
43	Posttranslational Modifications of NPR1: A Single Protein Playing Multiple Roles in Plant Immunity and Physiology. PLoS Pathogens, 2016, 12, e1005707.	4.7	100
44	Constitutive disease resistance requires EDS1 in the Arabidopsis mutants cpr1 and cpr6 and is partially EDS1 -dependent in cpr5. Plant Journal, 2001, 26, 409-420.	5.7	96
45	A Noncanonical Role for the CKI-RB-E2F Cell-Cycle Signaling Pathway in Plant Effector-Triggered Immunity. Cell Host and Microbe, 2014, 16, 787-794.	11.0	93
46	Salicylic acid biosynthesis is enhanced and contributes to increased biotrophic pathogen resistance in Arabidopsis hybrids. Nature Communications, 2015, 6, 7309.	12.8	93
47	Structural basis of salicylic acid perception by Arabidopsis NPR proteins. Nature, 2020, 586, 311-316.	27.8	93
48	<i>Arabidopsis</i> BRCA2 and RAD51 proteins are specifically involved in defense gene transcription during plant immune responses. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 22716-22721.	7.1	87
49	Plant Immune Mechanisms: From Reductionistic to Holistic Points of View. Molecular Plant, 2020, 13, 1358-1378.	8.3	82
50	Translational Regulation of Metabolic Dynamics during Effector-Triggered Immunity. Molecular Plant, 2020, 13, 88-98.	8.3	68
51	Structural basis of NPR1 in activating plant immunity. Nature, 2022, 605, 561-566.	27.8	64
52	Apoplastic peroxidases are required for salicylic acid-mediated defense against Pseudomonas syringae. Phytochemistry, 2015, 112, 110-121.	2.9	60
53	Redox and the circadian clock in plant immunity: A balancing act. Free Radical Biology and Medicine, 2018, 119, 56-61.	2.9	60
54	Induction of Arabidopsis Defense Genes by Virulent and Avirulent Pseudomonas syringae Strains and by a Cloned Avirulence Gene. Plant Cell, 1991, 3, 61.	6.6	55

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55	Comprehensive mapping of abiotic stress inputs into the soybean circadian clock. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23840-23849.	7.1	49
56	Cell-Cycle Regulators and Cell Death in Immunity. Cell Host and Microbe, 2015, 18, 402-407.	11.0	42
57	Glycosylphosphatidylinositol (GPI) modification serves as a primary plasmodesmal targeting signal. Plant Physiology, 2016, 172, pp.01026.2016.	4.8	40
58	Protective plant immune responses are elicited by bacterial outer membrane vesicles. Cell Reports, 2021, 34, 108645.	6.4	39
59	Daily humidity oscillation regulates the circadian clock to influence plant physiology. Nature Communications, 2018, 9, 4290.	12.8	38
60	Functional Characterization of a Nudix Hydrolase AtNUDX8 upon Pathogen Attack Indicates a Positive Role in Plant Immune Responses. PLoS ONE, 2014, 9, e114119.	2.5	32
61	The Role of Membrane-Bound Ankyrin-Repeat Protein ACD6 in Programmed Cell Death and Plant Defense. Science Signaling, 2004, 2004, pe6-pe6.	3.6	16
62	Pathogen-induced systemic DNA rearrangement in plants. Trends in Plant Science, 2004, 9, 60-61.	8.8	15
63	Stromules: Signal Conduits for Plant Immunity. Developmental Cell, 2015, 34, 3-4.	7.0	9
64	Life-or-death decisions in plant immunity. Current Opinion in Immunology, 2022, 75, 102169.	5.5	8
65	To grow and to defend. Science, 2018, 361, 976-977.	12.6	5
66	The CAT(2) Comes Back. Cell Host and Microbe, 2017, 21, 125-127.	11.0	1
67	Quantification of the Humidity Effect on HR by Ion Leakage Assay. Bio-protocol, 2019, 9, e3203.	0.4	1