

Brad Day

List of Publications by Year in descending order

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64
papers

6,190
citations

94433

37
h-index

110387

64
g-index

73
all docs

73
docs citations

73
times ranked

6608
citing authors

#	ARTICLE	IF	CITATIONS
1	Host-Microbe Interactions: Shaping the Evolution of the Plant Immune Response. <i>Cell</i> , 2006, 124, 803-814.	28.9	2,467
2	Molecular Basis for the RIN4 Negative Regulation of RPS2 Disease Resistance. <i>Plant Cell</i> , 2005, 17, 1292-1305.	6.6	153
3	The cucurbit downy mildew pathogen <i>Pseudoperonospora cubensis</i> . <i>Molecular Plant Pathology</i> , 2011, 12, 217-226.	4.2	151
4	A nod factor binding lectin with apyrase activity from legume roots. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 5856-5861.	7.1	149
5	Molecular characterization of proteolytic cleavage sites of the <i>Pseudomonas syringae</i> effector AvrRpt2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 2087-2092.	7.1	143
6	The Plant Actin Cytoskeleton Responds to Signals from Microbe-Associated Molecular Patterns. <i>PLoS Pathogens</i> , 2013, 9, e1003290.	4.7	143
7	NDR1 Interaction with RIN4 Mediates the Differential Activation of Multiple Disease Resistance Pathways in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2006, 18, 2782-2791.	6.6	141
8	<i>Arabidopsis</i> Actin-Depolymerizing Factor AtADF4 Mediates Defense Signal Transduction Triggered by the <i>Pseudomonas syringae</i> Effector AvrPphB. <i>Plant Physiology</i> , 2009, 150, 815-824.	4.8	141
9	Overexpression of the plasma membrane-localized NDR1 protein results in enhanced bacterial disease resistance in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2004, 40, 225-237.	5.7	136
10	Molecular Genetic Evidence for the Role of SGT1 in the Intramolecular Complementation of Bs2 Protein Activity in <i>Nicotiana benthamiana</i> . <i>Plant Cell</i> , 2005, 17, 1268-1278.	6.6	133
11	ACTIN DEPOLYMERIZING FACTOR4 Regulates Actin Dynamics during Innate Immune Signaling in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 26, 340-352.	6.6	129
12	<i>Arabidopsis</i> NDR1 Is an Integrin-Like Protein with a Role in Fluid Loss and Plasma Membrane-Cell Wall Adhesion. <i>Plant Physiology</i> , 2011, 156, 286-300.	4.8	127
13	The Pathogen-Actin Connection: A Platform for Defense Signaling in Plants. <i>Annual Review of Phytopathology</i> , 2011, 49, 483-506.	7.8	115
14	454 Genome Sequencing of <i>Pseudoperonospora cubensis</i> Reveals Effector Proteins with a QXLR Translocation Motif. <i>Molecular Plant-Microbe Interactions</i> , 2011, 24, 543-553.	2.6	110
15	Legume nodule organogenesis. <i>Trends in Plant Science</i> , 1998, 3, 105-110.	8.8	106
16	<i>Arabidopsis</i> Actin Depolymerizing Factor4 Modulates the Stochastic Dynamic Behavior of Actin Filaments in the Cortical Array of Epidermal Cells. <i>Plant Cell</i> , 2011, 23, 3711-3726.	6.6	106
17	Binding Site for Chitin Oligosaccharides in the Soybean Plasma Membrane. <i>Plant Physiology</i> , 2001, 126, 1162-1173.	4.8	97
18	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.	11.0	95

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19	Gene-for-gene relationship in the host-pathogen system <i>M. albus</i> — <i>A. robusta</i> 5â€“ <i>E</i> . <i>New Phytologist</i> , 2013, 197, 1262-1275.	7.3	88
20	<i>Arabidopsis</i> Actin-Depolymerizing Factor-4 Links Pathogen Perception, Defense Activation and Transcription to Cytoskeletal Dynamics. <i>PLoS Pathogens</i> , 2012, 8, e1003006.	4.7	86
21	From filaments to function: The role of the plant actin cytoskeleton in pathogen perception, signaling and immunity. <i>Journal of Integrative Plant Biology</i> , 2016, 58, 299-311.	8.5	71
22	Capping protein integrates multiple MAMP signalling pathways to modulate actin dynamics during plant innate immunity. <i>Nature Communications</i> , 2015, 6, 7206.	12.8	68
23	The Lifecycle of the Plant Immune System. <i>Critical Reviews in Plant Sciences</i> , 2020, 39, 72-100.	5.7	68
24	mRNA-Seq Analysis of the <i>Pseudoperonospora cubensis</i> Transcriptome During Cucumber (<i>Cucumis</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.5	66
25	Direct colorimetric detection of unamplified pathogen DNA by dextrin-capped gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2018, 101, 29-36.	10.1	64
26	Two Rice GRAS Family Genes Responsive to N-Acetylchitoooligosaccharide Elicitor are Induced by Phytoactive Gibberellins: Evidence for Cross-Talk Between Elicitor and Gibberellin Signaling in Rice Cells. <i>Plant Molecular Biology</i> , 2004, 54, 261-272.	3.9	62
27	The <i>Pseudomonas syringae</i> Type III Effector HopG1 Induces Actin Remodeling to Promote Symptom Development and Susceptibility during Infection. <i>Plant Physiology</i> , 2016, 171, 2239-2255.	4.8	59
28	Alternative Splicing of a Multi-Drug Transporter from <i>Pseudoperonospora cubensis</i> Generates an RXLR Effector Protein That Elicits a Rapid Cell Death. <i>PLoS ONE</i> , 2012, 7, e34701.	2.5	57
29	Expression Profiling of <i>Cucumis sativus</i> in Response to Infection by <i>Pseudoperonospora cubensis</i> . <i>PLoS ONE</i> , 2012, 7, e34954.	2.5	54
30	The role of NDR1 in pathogen perception and plant defense signaling. <i>Plant Signaling and Behavior</i> , 2011, 6, 1114-1116.	2.4	47
31	What are the Top 10 Unanswered Questions in Molecular Plant-Microbe Interactions?. <i>Molecular Plant-Microbe Interactions</i> , 2020, 33, 1354-1365.	2.6	47
32	TaARPC3, Contributes to Wheat Resistance against the Stripe Rust Fungus. <i>Frontiers in Plant Science</i> , 2017, 8, 1245.	3.6	46
33	Battlefield Cytoskeleton: Turning the Tide on Plant Immunity. <i>Molecular Plant-Microbe Interactions</i> , 2019, 32, 25-34.	2.6	46
34	Transcriptome and Small RNAome Dynamics during a Resistant and Susceptible Interaction between Cucumber and Downy Mildew. <i>Plant Genome</i> , 2016, 9, plantgenome2015.08.0069.	2.8	45
35	Genome-Wide Identification of Cyclic Nucleotide-Gated Ion Channel Gene Family in Wheat and Functional Analyses of TaCNGC14 and TaCNGC16. <i>Frontiers in Plant Science</i> , 2018, 9, 18.	3.6	44
36	From Perception to Activation: The Molecular-Genetic and Biochemical Landscape of Disease Resistance Signaling in Plants. <i>The Arabidopsis Book</i> , 2010, 8, e012.	0.5	41

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37	The inclusion of downy mildews in a multi-locus-dataset and its reanalysis reveals a high degree of paraphyly in <i>Phytophthora</i> . <i>IMA Fungus</i> , 2011, 2, 163-171.	3.8	41
38	Light Activates the Translational Regulatory Kinase GCN2 via Reactive Oxygen Species Emanating from the Chloroplast. <i>Plant Cell</i> , 2020, 32, 1161-1178.	6.6	37
39	An important role of <i>α</i> -glucose biosynthesis and protein fucosylation genes in Arabidopsis immunity. <i>New Phytologist</i> , 2019, 222, 981-994.	7.3	34
40	Identification of differentially expressed genes in a resistant versus a susceptible blueberry cultivar after infection by <i>Colletotrichum acutatum</i> . <i>Molecular Plant Pathology</i> , 2011, 12, 463-477.	4.2	33
41	<i>TaADF4</i> , an actin-depolymerizing factor from wheat, is required for resistance to the stripe rust pathogen <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . <i>Plant Journal</i> , 2017, 89, 1210-1224.	5.7	33
42	Arabidopsis calcium-dependent protein kinase 3 regulates actin cytoskeleton organization and immunity. <i>Nature Communications</i> , 2020, 11, 6234.	12.8	29
43	<i>Fusarium virguliforme</i> Transcriptional Plasticity Is Revealed by Host Colonization of Maize versus Soybean. <i>Plant Cell</i> , 2020, 32, 336-351.	6.6	28
44	Molecular and Biochemical Basis for Stress-Induced Accumulation of Free and Bound p-Coumaraldehyde in Cucumber. <i>Plant Physiology</i> , 2011, 157, 1056-1066.	4.8	23
45	The Plant Host Pathogen Interface: Cell Wall and Membrane Dynamics of Pathogen-Induced Responses. <i>Annals of the New York Academy of Sciences</i> , 2007, 1113, 123-134.	3.8	22
46	Quantitative Evaluation of Stomatal Cytoskeletal Patterns during the Activation of Immune Signaling in <i>Arabidopsis thaliana</i> . <i>PLoS ONE</i> , 2016, 11, e0159291.	2.5	22
47	Alternative Splicing in the Obligate Biotrophic Oomycete Pathogen <i>Pseudoperonospora cubensis</i> . <i>Molecular Plant-Microbe Interactions</i> , 2015, 28, 298-309.	2.6	19
48	Plant pathogenic oomycetes: counterbalancing resistance, susceptibility and adaptation. <i>Canadian Journal of Plant Pathology</i> , 2016, 38, 31-40.	1.4	19
49	The tomato <i>Arp2/3</i> complex is required for resistance to the powdery mildew fungus <i>Oidium neolycopersici</i> . <i>Plant, Cell and Environment</i> , 2019, 42, 2664-2680.	5.7	19
50	The elicitor-responsive gene for a GRAS family protein, <i>CIGR2</i> , suppresses cell death in rice inoculated with rice blast fungus via activation of a heat shock transcription factor, <i>OsHsf23</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 145-151.	1.3	17
51	Calcium-dependent ABA signaling functions in stomatal immunity by regulating rapid SA responses in guard cells. <i>Journal of Plant Physiology</i> , 2022, 268, 153585.	3.5	12
52	Smut infection of perennial hosts: the genome and the transcriptome of the Brassicaceae smut fungus <i>Thecaphora thlaspeos</i> reveal functionally conserved and novel effectors. <i>New Phytologist</i> , 2019, 222, 1474-1492.	7.3	11
53	Actin branches out to link pathogen perception and host gene regulation. <i>Plant Signaling and Behavior</i> , 2013, 8, e23468.	2.4	10
54	Wheat Thioredoxin (<i>TaTrxh1</i>) Associates With RD19-Like Cysteine Protease <i>TaCP1</i> to Defend Against Stripe Rust Fungus Through Modulation of Programmed Cell Death. <i>Molecular Plant-Microbe Interactions</i> , 2021, 34, 426-438.	2.6	10

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55	Arabidopsis defense mutant ndr1-1 displays accelerated development and early flowering mediated by the hormone gibberellic acid. <i>Plant Science</i> , 2019, 285, 200-213.	3.6	9
56	Inhibition of a <i>Hevea brasiliensis</i> protease by a Kazal-like serine protease inhibitor from <i>Phytophthora palmivora</i> . <i>Physiological and Molecular Plant Pathology</i> , 2009, 74, 27-33.	2.5	8
57	Quantitative Evaluation of Plant Actin Cytoskeletal Organization During Immune Signaling. <i>Methods in Molecular Biology</i> , 2017, 1578, 207-221.	0.9	8
58	Overexpression of NDR1 leads to pathogen resistance at elevated temperatures. <i>New Phytologist</i> , 2022, 235, 1146-1162.	7.3	8
59	A genomics perspective on cucurbit-oomycete interactions. <i>Plant Biotechnology</i> , 2013, 30, 265-271.	1.0	7
60	Battling Immune Kinases in Plants. <i>Cell Host and Microbe</i> , 2010, 7, 259-261.	11.0	6
61	Contrasting transcriptional responses to <i>Fusarium virguliforme</i> colonization in symptomatic and asymptomatic hosts. <i>Plant Cell</i> , 2021, 33, 224-247.	6.6	6
62	The small GTP-binding protein TaRop10 interacts with TaTrxh9 and functions as a negative regulator of wheat resistance against the stripe rust. <i>Plant Science</i> , 2021, 309, 110937.	3.6	5
63	Domain switching and host recognition. <i>Molecular Microbiology</i> , 2006, 61, 1091-1093.	2.5	2
64	TaARPC5 is required for wheat defense signaling in response to infection by the stripe rust fungus. <i>Crop Journal</i> , 2021, , .	5.2	1