Brad Day

List of Publications by Year
in descending order

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	Calcium-dependent ABA signaling functions in stomatal immunity by regulating rapid SA responses in guard cells. Journal of Plant Physiology, 2022, 268, 153585.	3.5	12
2	Overexpression of NDR1 leads to pathogen resistance at elevated temperatures. New Phytologist, 2022, 235, 1146-1162.	7.3	8
3	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. Molecular Plant-Microbe Interactions, 2021, 34, 426-438.	2.6	10
4	TaARPC5 is required for wheat defense signaling in response to infection by the stripe rust fungus. Crop Journal, 2021, , .	5.2	1
5	The small GTP-binding protein TaRop10 interacts with TaTrxh9 and functions as a negative regulator of wheat resistance against the stripe rust. Plant Science, 2021, 309, 110937.	3.6	5
6	Contrasting transcriptional responses to<i>Fusarium virguliforme</i>colonization in symptomatic and asymptomatic hosts. Plant Cell, 2021, 33, 224-247.	6.6	6
7	<i>Fusarium virguliform</i><i>e</i> Transcriptional Plasticity Is Revealed by Host Colonization of Maize versus Soybean. Plant Cell, 2020, 32, 336-351.	6.6	28
8	ArabidopsisÂcalcium-dependent protein kinase 3 regulates actin cytoskeleton organization and immunity. Nature Communications, 2020, 11, 6234.	12.8	29
9	What are the Top 10 Unanswered Questions in Molecular Plant-Microbe Interactions?. Molecular Plant-Microbe Interactions, 2020, 33, 1354-1365.	2.6	47
10	The Lifecycle of the Plant Immune System. Critical Reviews in Plant Sciences, 2020, 39, 72-100.	5.7	68
11	Light Activates the Translational Regulatory Kinase GCN2 via Reactive Oxygen Species Emanating from the Chloroplast. Plant Cell, 2020, 32, 1161-1178.	6.6	37
12	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. New Phytologist, 2019, 222, 1474-1492.	7.3	11
13	The tomato <scp>Arp2/3</scp> complex is required for resistance to the powdery mildew fungus <scp><i>Oidium neolycopersici</i></scp>. Plant, Cell and Environment, 2019, 42, 2664-2680.	5.7	19
14	Arabidopsis defense mutant ndr1-1 displays accelerated development and early flowering mediated by the hormone gibberellic acid. Plant Science, 2019, 285, 200-213.	3.6	9
15	Battlefield Cytoskeleton: Turning the Tide on Plant Immunity. Molecular Plant-Microbe Interactions, 2019, 32, 25-34.	2.6	46
16	An important role of <scp>l</scp>â€fucose biosynthesis and protein fucosylation genes in Arabidopsis immunity. New Phytologist, 2019, 222, 981-994.	7.3	34
17	Direct colorimetric detection of unamplified pathogen DNA by dextrin-capped gold nanoparticles. Biosensors and Bioelectronics, 2018, 101, 29-36.	10.1	64
18	The MAP4 Kinase SIK1 Ensures Robust Extracellular ROS Burst and Antibacterial Immunity in Plants. Cell Host and Microbe, 2018, 24, 379-391.e5.	11.0	95

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19	Genome-Wide Identification of Cyclic Nucleotide-Gated Ion Channel Gene Family in Wheat and Functional Analyses of TaCNGC14 and TaCNGC16. Frontiers in Plant Science, 2018, 9, 18.	3.6	44
20	<i>Ta<scp>ADF</scp>4</i>, an actinâ€depolymerizing factor from wheat, is required for resistance to the stripe rust pathogen <i>Puccinia striiformis</i> f. sp. <i>tritici</i>. Plant Journal, 2017, 89, 1210-1224.	5.7	33
21	TaARPC3, Contributes to Wheat Resistance against the Stripe Rust Fungus. Frontiers in Plant Science, 2017, 8, 1245.	3.6	46
22	Quantitative Evaluation of Plant Actin Cytoskeletal Organization During Immune Signaling. Methods in Molecular Biology, 2017, 1578, 207-221.	0.9	8
23	The <i>Pseudomonas syringae</i> Type III Effector HopG1 Induces Actin Remodeling to Promote Symptom Development and Susceptibility during Infection. Plant Physiology, 2016, 171, 2239-2255.	4.8	59
24	Transcriptome and Small RNAome Dynamics during a Resistant and Susceptible Interaction between Cucumber and Downy Mildew. Plant Genome, 2016, 9, plantgenome2015.08.0069.	2.8	45
25	From filaments to function: The role of the plant actin cytoskeleton in pathogen perception, signaling and immunity. Journal of Integrative Plant Biology, 2016, 58, 299-311.	8.5	71
26	Plant pathogenic oomycetes: counterbalancing resistance, susceptibility and adaptation. Canadian Journal of Plant Pathology, 2016, 38, 31-40.	1.4	19
27	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>. Bioscience, Biotechnology and Biochemistry, 2016, 80, 145-151.	1.3	17
28	Quantitative Evaluation of Stomatal Cytoskeletal Patterns during the Activation of Immune Signaling in Arabidopsis thaliana. PLoS ONE, 2016, 11, e0159291.	2.5	22
29	Alternative Splicing in the Obligate Biotrophic Oomycete Pathogen <i>Pseudoperonospora cubensis</i>. Molecular Plant-Microbe Interactions, 2015, 28, 298-309.	2.6	19
30	Capping protein integrates multiple MAMP signalling pathways to modulate actin dynamics during plant innate immunity. Nature Communications, 2015, 6, 7206.	12.8	68
31	ACTIN DEPOLYMERIZING FACTOR4 Regulates Actin Dynamics during Innate Immune Signaling in <i>Arabidopsis</i> Â Â. Plant Cell, 2014, 26, 340-352.	6.6	129
32	Geneâ€forâ€gene relationship in the hostâ€"pathogen system <i><scp>M</scp>alusÂ</i>Ã—Â<i>robusta</i> 5â€"<i><scp>E</scp>rwinia amylovora</i>. New Phytologist, 2013, 197, 1262-1275.	7.3	88
33	The Plant Actin Cytoskeleton Responds to Signals from Microbe-Associated Molecular Patterns. PLoS Pathogens, 2013, 9, e1003290.	4.7	143
34	Actin branches out to link pathogen perception and host gene regulation. Plant Signaling and Behavior, 2013, 8, e23468.	2.4	10
35	A genomics perspective on cucurbit-oomycete interactions. Plant Biotechnology, 2013, 30, 265-271.	1.0	7
36	Arabidopsis Actin-Depolymerizing Factor-4 Links Pathogen Perception, Defense Activation and Transcription to Cytoskeletal Dynamics. PLoS Pathogens, 2012, 8, e1003006.	4.7	86

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37	Expression Profiling of Cucumis sativus in Response to Infection by Pseudoperonospora cubensis. PLoS ONE, 2012, 7, e34954.	2.5	54
38	mRNA-Seq Analysis of the Pseudoperonospora cubensis Transcriptome During Cucumber (Cucumis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.5	66
39	Alternative Splicing of a Multi-Drug Transporter from Pseudoperonospora cubensis Generates an RXLR Effector Protein That Elicits a Rapid Cell Death. PLoS ONE, 2012, 7, e34701.	2.5	57
40	<i>Arabidopsis</i> Actin Depolymerizing Factor4 Modulates the Stochastic Dynamic Behavior of Actin Filaments in the Cortical Array of Epidermal Cells Â. Plant Cell, 2011, 23, 3711-3726.	6.6	106
41	454 Genome Sequencing of <i>Pseudoperonospora cubensis</i> Reveals Effector Proteins with a QXLR Translocation Motif. Molecular Plant-Microbe Interactions, 2011, 24, 543-553.	2.6	110
42	The cucurbit downy mildew pathogen <i>Pseudoperonospora cubensis</i>. Molecular Plant Pathology, 2011, 12, 217-226.	4.2	151
43	Identification of differentially expressed genes in a resistant versus a susceptible blueberry cultivar after infection by <i>Colletotrichum acutatum</i>. Molecular Plant Pathology, 2011, 12, 463-477.	4.2	33
44	The Pathogen-Actin Connection: A Platform for Defense Signaling in Plants. Annual Review of Phytopathology, 2011, 49, 483-506.	7.8	115
45	The role of NDR1 in pathogen perception and plant defense signaling. Plant Signaling and Behavior, 2011, 6, 1114-1116.	2.4	47
46	Arabidopsis NDR1 Is an Integrin-Like Protein with a Role in Fluid Loss and Plasma Membrane-Cell Wall Adhesion Â Â. Plant Physiology, 2011, 156, 286-300.	4.8	127
47	Molecular and Biochemical Basis for Stress-Induced Accumulation of Free and Bound<i>p</i>-Coumaraldehyde in Cucumber Â Â. Plant Physiology, 2011, 157, 1056-1066.	4.8	23
48	The inclusion of downy mildews in a multi-locus-dataset and its reanalysis reveals a high degree of paraphyly in Phytophthora. IMA Fungus, 2011, 2, 163-171.	3.8	41
49	From Perception to Activation: The Molecular-Genetic and Biochemical Landscape of Disease Resistance Signaling in Plants. The Arabidopsis Book, 2010, 8, e012.	0.5	41
50	Battling Immune Kinases in Plants. Cell Host and Microbe, 2010, 7, 259-261.	11.0	6
51	Arabidopsis Actin-Depolymerizing Factor AtADF4 Mediates Defense Signal Transduction Triggered by the <i>Pseudomonas syringae</i> Effector AvrPphB Â Â. Plant Physiology, 2009, 150, 815-824.	4.8	141
52	Inhibition of a Hevea brasiliensis protease by a Kazal-like serine protease inhibitor from Phytophthora palmivora. Physiological and Molecular Plant Pathology, 2009, 74, 27-33.	2.5	8
53	The Plant Host Pathogen Interface: Cell Wall and Membrane Dynamics of Pathogen-Induced Responses. Annals of the New York Academy of Sciences, 2007, 1113, 123-134.	3.8	22
54	Host-Microbe Interactions: Shaping the Evolution of the Plant Immune Response. Cell, 2006, 124, 803-814.	28.9	2,467

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55	Domain switching and host recognition. Molecular Microbiology, 2006, 61, 1091-1093.	2.5	2
56	NDR1 Interaction with RIN4 Mediates the Differential Activation of Multiple Disease Resistance Pathways in Arabidopsis. Plant Cell, 2006, 18, 2782-2791.	6.6	141
57	Molecular Basis for the RIN4 Negative Regulation of RPS2 Disease Resistance. Plant Cell, 2005, 17, 1292-1305.	6.6	153
58	Molecular Genetic Evidence for the Role of SGT1 in the Intramolecular Complementation of Bs2 Protein Activity in Nicotiana benthamiana. Plant Cell, 2005, 17, 1268-1278.	6.6	133
59	Molecular characterization of proteolytic cleavage sites of the Pseudomonas syringae effector AvrRpt2. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2087-2092.	7.1	143
60	Overexpression of the plasma membrane-localized NDR1 protein results in enhanced bacterial disease resistance in Arabidopsis thaliana. Plant Journal, 2004, 40, 225-237.	5.7	136
61	Two Rice GRAS Family Genes Responsive to N-Acetylchitooligosaccharide Elicitor are Induced by Phytoactive Gibberellins: Evidence for Cross-Talk Between Elicitor and Gibberellin Signaling in Rice Cells. Plant Molecular Biology, 2004, 54, 261-272.	3.9	62
62	Binding Site for Chitin Oligosaccharides in the Soybean Plasma Membrane. Plant Physiology, 2001, 126, 1162-1173.	4.8	97
63	A nod factor binding lectin with apyrase activity from legume roots. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 5856-5861.	7.1	149
64	Legume nodule organogenesis. Trends in Plant Science, 1998, 3, 105-110.	8.8	106