

David Mackey

List of Publications by Year in descending order

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papers

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159358

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#	ARTICLE	IF	CITATIONS
1	RIN4 Interacts with <i>Pseudomonas syringae</i> Type III Effector Molecules and Is Required for RPM1-Mediated Resistance in <i>Arabidopsis</i> . <i>Cell</i> , 2002, 108, 743-754.	13.5	1,055
2	<i>Arabidopsis</i> RIN4 Is a Target of the Type III Virulence Effector AvrRpt2 and Modulates RPS2-Mediated Resistance. <i>Cell</i> , 2003, 112, 379-389.	13.5	852
3	Elicitors, Effectors, and RGenes: The New Paradigm and a Lifetime Supply of Questions. <i>Annual Review of Phytopathology</i> , 2007, 45, 399-436.	3.5	668
4	Two <i>Pseudomonas syringae</i> Type III Effectors Inhibit RIN4-Regulated Basal Defense in <i>Arabidopsis</i> . <i>Cell</i> , 2005, 121, 749-759.	13.5	416
5	<i>Arabidopsis</i> RIN4 Negatively Regulates Disease Resistance Mediated by RPS2 and RPM1 Downstream or Independent of the NDR1 Signal Modulator and Is Not Required for the Virulence Functions of Bacterial Type III Effectors AvrRpt2 or AvrRpm1. <i>Plant Cell</i> , 2004, 16, 2822-2835.	3.1	222
6	Specific Threonine Phosphorylation of a Host Target by Two Unrelated Type III Effectors Activates a Host Innate Immune Receptor in Plants. <i>Cell Host and Microbe</i> , 2011, 9, 125-136.	5.1	168
7	Phospholipase-dependent signalling during the AvrRpm1- and AvrRpt2-induced disease resistance responses in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2006, 47, 947-959.	2.8	160
8	Contrasting Roles of the Apoplastic Aspartyl Protease APOPLASTIC, <i>ENHANCED DISEASE SUSCEPTIBILITY1</i> -DEPENDENT1 and LEGUME LECTIN-LIKE PROTEIN1 in <i>Arabidopsis</i> Systemic Acquired Resistance. <i>Plant Physiology</i> , 2014, 165, 791-809.	2.3	151
9	MAMPs and MIMPs: proposed classifications for inducers of innate immunity. <i>Molecular Microbiology</i> , 2006, 61, 1365-1371.	1.2	148
10	Metabolomics as an Emerging Tool for the Study of Plant-Pathogen Interactions. <i>Metabolites</i> , 2020, 10, 52.	1.3	126
11	The phytotoxin coronatine is a multifunctional component of the virulence armament of <i>Pseudomonas syringae</i> . <i>Planta</i> , 2014, 240, 1149-1165.	1.6	112
12	The Coronatine Toxin of <i>Pseudomonas syringae</i> Is a Multifunctional Suppressor of <i>Arabidopsis</i> Defense. <i>Plant Cell</i> , 2012, 24, 4763-4774.	3.1	105
13	The Linking Regions of EBNA1 Are Essential for Its Support of Replication and Transcription. <i>Molecular and Cellular Biology</i> , 1999, 19, 3349-3359.	1.1	98
14	Defense suppression by virulence effectors of bacterial phytopathogens. <i>Current Opinion in Plant Biology</i> , 2007, 10, 349-357.	3.5	83
15	Layered basal defenses underlie non-host resistance of <i>Arabidopsis</i> to <i>Pseudomonas syringae</i> pv. <i>phaseolicola</i> . <i>Plant Journal</i> , 2007, 51, 604-616.	2.8	71
16	Combining subproteome enrichment and Rubisco depletion enables identification of low abundance proteins differentially regulated during plant defense. <i>Proteomics</i> , 2009, 9, 138-147.	1.3	69
17	Regulated Disorder: Posttranslational Modifications Control the RIN4 Plant Immune Signaling Hub. <i>Molecular Plant-Microbe Interactions</i> , 2019, 32, 56-64.	1.4	68
18	Bacterial AvrRpt2-Like Cysteine Proteases Block Activation of the <i>Arabidopsis</i> Mitogen-Activated Protein Kinases, MPK4 and MPK11. <i>Plant Physiology</i> , 2016, 171, 2223-2238.	2.3	67

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19	Separable Fragments and Membrane Tethering of <i>Arabidopsis</i> RIN4 Regulate Its Suppression of PAMP-Triggered Immunity. <i>Plant Cell</i> , 2011, 23, 3798-3811.	3.1	61
20	Involvement of the Electrophilic Isothiocyanate Sulforaphane in <i>Arabidopsis</i> Local Defense Responses. <i>Plant Physiology</i> , 2014, 167, 251-261.	2.3	59
21	The <i>Pseudomonas syringae</i> type III effector AvrRpm1 induces significant defenses by activating the <i>Arabidopsis</i> nucleotide-binding leucine-rich repeat protein RPS2. <i>Plant Journal</i> , 2009, 57, 645-653.	2.8	58
22	Direct and Indirect Targeting of PP2A by Conserved Bacterial Type-III Effector Proteins. <i>PLoS Pathogens</i> , 2016, 12, e1005609.	2.1	51
23	Innate immunity in plants: a continuum of layered defenses. <i>Microbes and Infection</i> , 2006, 8, 1372-1381.	1.0	50
24	Multiple Activities of the Plant Pathogen Type III Effector Proteins WtsE and AvrE Require WxxxE Motifs. <i>Molecular Plant-Microbe Interactions</i> , 2009, 22, 703-712.	1.4	47
25	AvrRpm1 Functions as an ADP-Ribosyl Transferase to Modify NOI-domain Containing Proteins, Including <i>Arabidopsis</i> and Soybean RPM1-interacting Protein 4. <i>Plant Cell</i> , 2019, 31, tpc.00020.2019.	3.1	45
26	The role of NOI-domain containing proteins in plant immune signaling. <i>BMC Genomics</i> , 2013, 14, 327.	1.2	44
27	Perturbation of Maize Phenylpropanoid Metabolism by an AvrE Family Type III Effector from <i>Pantoea stewartii</i> . <i>Plant Physiology</i> , 2015, 167, 1117-1135.	2.3	44
28	WtsE, an AvrE family type III effector protein of <i>Pantoea stewartii</i> subsp. <i>stewartii</i> , causes cell death in non-host plants. <i>Molecular Plant Pathology</i> , 2008, 9, 633-643.	2.0	42
29	Quantification of hydrogen peroxide in plant tissues using Amplex Red. <i>Methods</i> , 2016, 109, 105-113.	1.9	35
30	Redox sensor QSOX1 regulates plant immunity by targeting GSNOR to modulate ROS generation. <i>Molecular Plant</i> , 2021, 14, 1312-1327.	3.9	34
31	The major leaf ferredoxin Fd2 regulates plant innate immunity in <i>Arabidopsis</i> . <i>Molecular Plant Pathology</i> , 2018, 19, 1377-1390.	2.0	32
32	A Simple Method for Measuring Apoplast Hydration and Collecting Apoplast Contents. <i>Plant Physiology</i> , 2019, 179, 1265-1272.	2.3	32
33	Recognition of pathogens by plants. <i>Current Biology</i> , 2000, 10, R5-R7.	1.8	29
34	Dynamic nutrient acquisition from a hydrated apoplast supports biotrophic proliferation of a bacterial pathogen of maize. <i>Cell Host and Microbe</i> , 2022, 30, 502-517.e4.	5.1	25
35	Measuring Cell-Wall-Based Defenses and Their Effect on Bacterial Growth in <i>Arabidopsis</i> . , 2008, 415, 443-452.		24
36	The <i>Pseudomonas syringae</i> pv. tomato Type III Effector HopM1 Suppresses <i>Arabidopsis</i> Defenses Independent of Suppressing Salicylic Acid Signaling and of Targeting AtMIN7. <i>PLoS ONE</i> , 2013, 8, e82032.	1.1	22

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37	HOS15 is a transcriptional corepressor of NPR1-mediated gene activation of plant immunity. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30805-30815.	3.3	21
38	The <i>Pseudomonas syringae</i> type III effectors AvrRpm1 and AvrRpt2 promote virulence dependent on the F-box protein COI1. Plant Cell Reports, 2016, 35, 921-932.	2.8	16
39	Application of alignment-free bioinformatics methods to identify an oomycete protein with structural and functional similarity to the bacterial AvrE effector protein. PLoS ONE, 2018, 13, e0195559.	1.1	16
40	Effects of over-expressing a native gene encoding 5-enolpyruvylshikimate-3-phosphate synthase (EPSPS) on glyphosate resistance in <i>Arabidopsis thaliana</i> . PLoS ONE, 2017, 12, e0175820.	1.1	14
41	Deciphering the Novel Role of AtMIN7 in Cuticle Formation and Defense against the Bacterial Pathogen Infection. International Journal of Molecular Sciences, 2020, 21, 5547.	1.8	12
42	Dominant, Heritable Resistance to Stewart's Wilt in Maize Is Associated with an Enhanced Vascular Defense Response to Infection with <i>Pantoea stewartii</i> . Molecular Plant-Microbe Interactions, 2019, 32, 1581-1597.	1.4	11
43	Involvement of <i>Arabidopsis</i> Acyl Carrier Protein 1 in PAMP-Triggered Immunity. Molecular Plant-Microbe Interactions, 2022, 35, 681-693.	1.4	11
44	Dose-Response to and Systemic Movement of Dexamethasone in the GVG-Inducible Transgene System in <i>Arabidopsis</i> . Methods in Molecular Biology, 2011, 712, 59-68.	0.4	9
45	Identification of Immunity-related Genes in <i>Arabidopsis</i> and Cassava Using Genomic Data. Genomics, Proteomics and Bioinformatics, 2013, 11, 345-353.	3.0	8
46	SDE5, a putative RNA export protein, participates in plant innate immunity through a flagellin-dependent signaling pathway in <i>Arabidopsis</i> . Scientific Reports, 2017, 7, 9859.	1.6	6
47	RIN4 homologs from important crop species differentially regulate the <i>Arabidopsis</i> NB-LRR immune receptor, RPS2. Plant Cell Reports, 2021, 40, 2341-2356.	2.8	4
48	Effect of Hydroxycinnamic Acid Amides, Coumaroyl Tyramine and Coumaroyl Tryptamine on Biotic Stress Response in <i>Arabidopsis</i> . Journal of Plant Biology, 2022, 65, 145-155.	0.9	4
49	The Transcription Factor Lrp of <i>Pantoea stewartii</i> subsp. <i>stewartii</i> Controls Capsule Production, Motility, and Virulence Important for in planta Growth. Frontiers in Microbiology, 2021, 12, 806504.	1.5	4
50	Proteasome-Dependent Degradation of RPM1 Desensitizes the RPM1-Mediated Hypersensitive Response. Journal of Plant Biology, 2021, 64, 217-225.	0.9	3
51	SIVB 2003 Congress Symposium Proceeding: Plant-Targets of Pathogenic Effectors Can Transduce Both Virulence and Resistance Signals. In Vitro Cellular and Developmental Biology - Plant, 2004, 40, 251-255.	0.9	0