John M Mcdowell

List of Publications by Year
in descending order

54 papers	6,403 citations	126858 33 h-index	175177 52 g-index
58 all docs	58 docs citations	58 times ranked	6514 citing authors

#	Article	IF	Citations
1	A split green fluorescent protein system to enhance spatial and temporal sensitivity of translating ribosome affinity purification. Plant Journal, 2022, 111, 304-315.	2.8	2
2	Recent advances in understanding of fungal and oomycete effectors. Current Opinion in Plant Biology, 2022, 68, 102228.	3.5	15
3	Iron homeostasis and plant immune responses: Recent insights and translational implications. Journal of Biological Chemistry, 2020, 295, 13444-13457.	1.6	62
4	The Arabidopsis PHD-finger protein EDM2 has multiple roles in balancing NLR immune receptor gene expression. PLoS Genetics, 2020, 16, e1008993.	1.5	33
5	Effect of light and dark on the growth and development of downy mildew pathogen Hyaloperonospora arabidopsidis. Plant Pathology, 2020, 69, 1291-1300.	1.2	6
6	Increased Expression of UMAMIT Amino Acid Transporters Results in Activation of Salicylic Acid Dependent Stress Response. Frontiers in Plant Science, 2020, 11, 606386.	1.7	9
7	Draft Assembly ofPhytophthora capsicifrom Long-Read Sequencing Uncovers Complexity. Molecular Plant-Microbe Interactions, 2019, 32, 1559-1563.	1.4	33
8	The Arabidopsis <scp>RRM</scp> domain protein <scp>EDM</scp>3 mediates raceâ€specific disease resistance by controlling H3K9me2â€dependent alternative polyadenylation of <scp>RPP</scp>7 immune receptor transcripts. Plant Journal, 2019, 97, 646-660.	2.8	24
9	Focus on Activation, Regulation, and Evolution of MTI and ETI. Molecular Plant-Microbe Interactions, 2019, 32, 5-5.	1.4	4
10	Oomycetes Used in Arabidopsis Research. The Arabidopsis Book, 2019, 17, e0188.	0.5	30
11	Focus on Effector-Triggered Susceptibility. Molecular Plant-Microbe Interactions, 2018, 31, 5-5.	1.4	9
12	Effector Biology in Focus: A Primer for Computational Prediction and Functional Characterization. Molecular Plant-Microbe Interactions, 2018, 31, 22-33.	1.4	46
13	Conserved RxLR Effectors From Oomycetes Hyaloperonospora arabidopsidis and Phytophthora sojae Suppress PAMP- and Effector-Triggered Immunity in Diverse Plants. Molecular Plant-Microbe Interactions, 2018, 31, 374-385.	1.4	60
14	Review: Functional linkages between amino acid transporters and plant responses to pathogens. Plant Science, 2018, 277, 79-88.	1.7	31
15	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
16	Zoospore exudates from Phytophthora nicotianae affect immune responses in Arabidopsis. PLoS ONE, 2017, 12, e0180523.	1.1	6
17	Recent Progress in RXLR Effector Research. Molecular Plant-Microbe Interactions, 2015, 28, 1063-1072.	1.4	164
18	A <scp>PCR</scp> assay for the quantification of growth of the oomycete pathogen <scp>H</scp>yaloperonospora arabidopsidis in <scp>A</scp>rabidopsis thaliana. Molecular Plant Pathology, 2015, 16, 893-898.	2.0	25

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19	The Top 10 oomycete pathogens in molecular plant pathology. Molecular Plant Pathology, 2015, 16, 413-434.	2.0	695
20	Focus on Translational Research. Molecular Plant-Microbe Interactions, 2014, 27, 195-195.	1.4	0
21	Hyaloperonospora arabidopsidis: A Model Pathogen of Arabidopsis. , 2014, , 209-234.		8
22	Genomic and transcriptomic insights into lifestyle transitions of a hemiâ€biotrophic fungal pathogen. New Phytologist, 2013, 197, 1032-1034.	3.5	19
23	Crosstalk between the Circadian Clock and Innate Immunity in Arabidopsis. PLoS Pathogens, 2013, 9, e1003370.	2.1	164
24	A transposable element is domesticated for service in the plant immune system. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14821-14822.	3.3	13
25	The exocyst subunitExo70B1is involved in the immune response ofArabidopsis thalianato different pathogens and cell death. Plant Signaling and Behavior, 2013, 8, e27421.	1.2	63
26	The Ubiquitin Ligase PUB22 Targets a Subunit of the Exocyst Complex Required for PAMP-Triggered Responses in Arabidopsis. Plant Cell, 2012, 24, 4703-4716.	3.1	205
27	Homologous RXLR effectors from Hyaloperonospora arabidopsidis and Phytophthora sojae suppress immunity in distantly related plants. Plant Journal, 2012, 72, 882-893.	2.8	88
28	Beleaguered Immunity. Science, 2011, 334, 1354-1355.	6.0	5
29	Propagation, Storage, and Assays with Hyaloperonospora arabidopsidis: A Model Oomycete Pathogen of Arabidopsis. Methods in Molecular Biology, 2011, 712, 137-151.	0.4	24
30	Genomes of obligate plant pathogens reveal adaptations for obligate parasitism. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8921-8922.	3.3	34
31	The Arabidopsis Downy Mildew Resistance Gene RPP8 Is Induced by Pathogens and Salicylic Acid and Is Regulated by W Box cis Elements. Molecular Plant-Microbe Interactions, 2010, 23, 1303-1315.	1.4	82
32	Signatures of Adaptation to Obligate Biotrophy in the Hyaloperonospora arabidopsidis Genome. Science, 2010, 330, 1549-1551.	6.0	492
33	Molecular diversity at the plantâ€“pathogen interface. Developmental and Comparative Immunology, 2008, 32, 736-744.	1.0	78
34	Conserved C-Terminal Motifs Required for Avirulence and Suppression of Cell Death by Phytophthora sojae effector Avr1b. Plant Cell, 2008, 20, 1118-1133.	3.1	323
35	Signaling Pathways That Regulate the Enhanced Disease Resistance of Arabidopsis â€œDefense, No Deathâ€•Mutants. Molecular Plant-Microbe Interactions, 2008, 21, 1285-1296.	1.4	92
36	EDM2 is required for RPP7-dependent disease resistance in Arabidopsis and affects RPP7 transcript levels. Plant Journal, 2007, 49, 829-839.	2.8	120

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37	Two modes of pathogen recognition by plants. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8575-8576.	3.3	93
38	Recent insights into R gene evolution. Molecular Plant Pathology, 2006, 7, 437-448.	2.0	185
39	Genetic Analysis of Developmentally Regulated Resistance to Downy Mildew (Hyaloperonospora) Tj ETQq1 1 0.784314 rgBT /Overloc	1.4	53
40	Gene Expression Signatures from Three Genetically Separable Resistance Gene Signaling Pathways for Downy Mildew Resistance. Plant Physiology, 2004, 135, 1129-1144.	2.3	128
41	ThePseudomonas syringaetype III effector AvrRpt2 functions downstream or independently of SA to promote virulence onArabidopsis thaliana. Plant Journal, 2004, 37, 494-504.	2.8	57
42	A key role for ALD1 in activation of local and systemic defenses in Arabidopsis. Plant Journal, 2004, 40, 200-212.	2.8	198
43	Convergent evolution of disease resistance genes. Trends in Plant Science, 2004, 9, 315-317.	4.3	17
44	Plant disease resistance genes: recent insights and potential applications. Trends in Biotechnology, 2003, 21, 178-183.	4.9	249
45	Regulation and execution of programmed cell death in response to pathogens, stress and developmental cues. Current Opinion in Plant Biology, 2001, 4, 561-567.	3.5	169
46	Downy mildew (Peronospora parasitica) resistance genes in Arabidopsis vary in functional requirements for NDR1, EDS1, NPR1 and salicylic acid accumulation. Plant Journal, 2000, 22, 523-529.	2.8	228
47	Signal transduction in the plant immune response. Trends in Biochemical Sciences, 2000, 25, 79-82.	3.7	439
48	Intragenic Recombination and Diversifying Selection Contribute to the Evolution of Downy Mildew Resistance at the RPP8 Locus of Arabidopsis. Plant Cell, 1998, 10, 1861-1874.	3.1	453
49	The Arabidopsis ACT11 actin gene is strongly expressed in tissues of the emerging inflorescence, pollen, and developing ovules. Plant Molecular Biology, 1997, 33, 125-139.	2.0	81
50	Conserved Expression of the Arabidopsis ACT1 and ACT3 Actin Subclass in Organ Primordia and Mature Pollen. Plant Cell, 1996, 8, 15.	3.1	2
51	Strong, constitutive expression of the Arabidopsis ACT2/ACT8 actin subclass in vegetative tissues. Plant Journal, 1996, 10, 107-121.	2.8	451
52	The Arabidopsis thaliana ACT4/ACT12 actin gene subclass is strongly expressed throughout pollen development. Plant Journal, 1996, 10, 189-202.	2.8	57
53	Structure and Evolution of the Actin Gene Family in Arabidopsis thaliana. Genetics, 1996, 142, 587-602.	1.2	196
54	Sequence-based identification of T-DNA insertion mutations in Arabidopsis: actin mutants act2-1 and act4-1. Plant Journal, 1995, 8, 613-622.	2.8	218