

# John M McDowell

## List of Publications by Year in descending order

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54  
papers

6,403  
citations

126907

33  
h-index

175258

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. <i>Plant Journal</i> , 2022, 111, 304-315.	5.7	2
2	Recent advances in understanding of fungal and oomycete effectors. <i>Current Opinion in Plant Biology</i> , 2022, 68, 102228.	7.1	15
3	Iron homeostasis and plant immune responses: Recent insights and translational implications. <i>Journal of Biological Chemistry</i> , 2020, 295, 13444-13457.	3.4	62
4	The Arabidopsis PHD-finger protein EDM2 has multiple roles in balancing NLR immune receptor gene expression. <i>PLoS Genetics</i> , 2020, 16, e1008993.	3.5	33
5	Effect of light and dark on the growth and development of downy mildew pathogen <i>Hyaloperonospora arabidopsidis</i> . <i>Plant Pathology</i> , 2020, 69, 1291-1300.	2.4	6
6	Increased Expression of UMAMIT Amino Acid Transporters Results in Activation of Salicylic Acid Dependent Stress Response. <i>Frontiers in Plant Science</i> , 2020, 11, 606386.	3.6	9
7	Draft Assembly of <i>Phytophthora capsici</i> from Long-Read Sequencing Uncovers Complexity. <i>Molecular Plant-Microbe Interactions</i> , 2019, 32, 1559-1563.	2.6	33
8	The Arabidopsis RRM domain protein EDM3 mediates race-specific disease resistance by controlling H3K9me2-dependent alternative polyadenylation of <i>RPP7</i> immune receptor transcripts. <i>Plant Journal</i> , 2019, 97, 646-660.	5.7	24
9	Focus on Activation, Regulation, and Evolution of MTI and ETI. <i>Molecular Plant-Microbe Interactions</i> , 2019, 32, 5-5.	2.6	4
10	Oomycetes Used in Arabidopsis Research. <i>The Arabidopsis Book</i> , 2019, 17, e0188.	0.5	30
11	Focus on Effector-Triggered Susceptibility. <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 5-5.	2.6	9
12	Effector Biology in Focus: A Primer for Computational Prediction and Functional Characterization. <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 22-33.	2.6	46
13	Conserved RxLR Effectors From Oomycetes <i>Hyaloperonospora arabidopsidis</i> and <i>Phytophthora sojae</i> Suppress PAMP- and Effector-Triggered Immunity in Diverse Plants. <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 374-385.	2.6	60
14	Review: Functional linkages between amino acid transporters and plant responses to pathogens. <i>Plant Science</i> , 2018, 277, 79-88.	3.6	31
15	Application of alignment-free bioinformatics methods to identify an oomycete protein with structural and functional similarity to the bacterial AvrE effector protein. <i>PLoS ONE</i> , 2018, 13, e0195559.	2.5	16
16	Zoospore exudates from <i>Phytophthora nicotianae</i> affect immune responses in Arabidopsis. <i>PLoS ONE</i> , 2017, 12, e0180523.	2.5	6
17	Recent Progress in RxLR Effector Research. <i>Molecular Plant-Microbe Interactions</i> , 2015, 28, 1063-1072.	2.6	164
18	A PCR assay for the quantification of growth of the oomycete pathogen <i>Hyaloperonospora arabidopsidis</i> in <i>Arabidopsis thaliana</i> . <i>Molecular Plant Pathology</i> , 2015, 16, 893-898.	4.2	25

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19	The Top 10 oomycete pathogens in molecular plant pathology. <i>Molecular Plant Pathology</i> , 2015, 16, 413-434.	4.2	695
20	Focus on Translational Research. <i>Molecular Plant-Microbe Interactions</i> , 2014, 27, 195-195.	2.6	0
21	<i>Hyaloperonospora arabidopsidis</i> : A Model Pathogen of Arabidopsis. , 2014, , 209-234.		8
22	Genomic and transcriptomic insights into lifestyle transitions of a hemibiotrophic fungal pathogen. <i>New Phytologist</i> , 2013, 197, 1032-1034.	7.3	19
23	Crosstalk between the Circadian Clock and Innate Immunity in Arabidopsis. <i>PLoS Pathogens</i> , 2013, 9, e1003370.	4.7	164
24	A transposable element is domesticated for service in the plant immune system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 14821-14822.	7.1	13
25	The exocyst subunit <i>Exo70B1</i> is involved in the immune response of <i>Arabidopsis thaliana</i> to different pathogens and cell death. <i>Plant Signaling and Behavior</i> , 2013, 8, e27421.	2.4	63
26	The Ubiquitin Ligase PUB22 Targets a Subunit of the Exocyst Complex Required for PAMP-Triggered Responses in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 4703-4716.	6.6	205
27	Homologous RXLR effectors from <i>Hyaloperonospora arabidopsidis</i> and <i>Phytophthora sojae</i> suppress immunity in distantly related plants. <i>Plant Journal</i> , 2012, 72, 882-893.	5.7	88
28	Beleaguered Immunity. <i>Science</i> , 2011, 334, 1354-1355.	12.6	5
29	Propagation, Storage, and Assays with <i>Hyaloperonospora arabidopsidis</i> : A Model Oomycete Pathogen of Arabidopsis. <i>Methods in Molecular Biology</i> , 2011, 712, 137-151.	0.9	24
30	Genomes of obligate plant pathogens reveal adaptations for obligate parasitism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 8921-8922.	7.1	34
31	The <i>Arabidopsis</i> Downy Mildew Resistance Gene <i>RPP8</i> Is Induced by Pathogens and Salicylic Acid and Is Regulated by <i>W</i> Box <i>cis</i> Elements. <i>Molecular Plant-Microbe Interactions</i> , 2010, 23, 1303-1315.	2.6	82
32	Signatures of Adaptation to Obligate Biotrophy in the <i>Hyaloperonospora arabidopsidis</i> Genome. <i>Science</i> , 2010, 330, 1549-1551.	12.6	492
33	Molecular diversity at the plant-pathogen interface. <i>Developmental and Comparative Immunology</i> , 2008, 32, 736-744.	2.3	78
34	Conserved C-Terminal Motifs Required for Avirulence and Suppression of Cell Death by <i>Phytophthora sojae</i> effector <i>Avr1b</i> . <i>Plant Cell</i> , 2008, 20, 1118-1133.	6.6	323
35	Signaling Pathways That Regulate the Enhanced Disease Resistance of <i>Arabidopsis</i> Defense, No Death Mutants. <i>Molecular Plant-Microbe Interactions</i> , 2008, 21, 1285-1296.	2.6	92
36	EDM2 is required for RPP7-dependent disease resistance in Arabidopsis and affects RPP7 transcript levels. <i>Plant Journal</i> , 2007, 49, 829-839.	5.7	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.	7.1	93
38	Recent insights into R gene evolution. Molecular Plant Pathology, 2006, 7, 437-448.	4.2	185
39	Genetic Analysis of Developmentally Regulated Resistance to Downy Mildew ( <i>Hyaloperonospora</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 2.6 53		
40	Gene Expression Signatures from Three Genetically Separable Resistance Gene Signaling Pathways for Downy Mildew Resistance. Plant Physiology, 2004, 135, 1129-1144.	4.8	128
41	The <i>Pseudomonas syringae</i> type III effector AvrRpt2 functions downstream or independently of SA to promote virulence on <i>Arabidopsis thaliana</i> . Plant Journal, 2004, 37, 494-504.	5.7	57
42	A key role for ALD1 in activation of local and systemic defenses in <i>Arabidopsis</i> . Plant Journal, 2004, 40, 200-212.	5.7	198
43	Convergent evolution of disease resistance genes. Trends in Plant Science, 2004, 9, 315-317.	8.8	17
44	Plant disease resistance genes: recent insights and potential applications. Trends in Biotechnology, 2003, 21, 178-183.	9.3	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.	7.1	169
46	Downy mildew ( <i>Peronospora parasitica</i> ) resistance genes in <i>Arabidopsis</i> vary in functional requirements for NDR1, EDS1, NPR1 and salicylic acid accumulation. Plant Journal, 2000, 22, 523-529.	5.7	228
47	Signal transduction in the plant immune response. Trends in Biochemical Sciences, 2000, 25, 79-82.	7.5	439
48	Intragenic Recombination and Diversifying Selection Contribute to the Evolution of Downy Mildew Resistance at the RPP8 Locus of <i>Arabidopsis</i> . Plant Cell, 1998, 10, 1861-1874.	6.6	453
49	The <i>Arabidopsis</i> ACT11 actin gene is strongly expressed in tissues of the emerging inflorescence, pollen, and developing ovules. Plant Molecular Biology, 1997, 33, 125-139.	3.9	81
50	Conserved Expression of the <i>Arabidopsis</i> ACT1 and ACT3 Actin Subclass in Organ Primordia and Mature Pollen. Plant Cell, 1996, 8, 15.	6.6	2
51	Strong, constitutive expression of the <i>Arabidopsis</i> ACT2/ACT8 actin subclass in vegetative tissues. Plant Journal, 1996, 10, 107-121.	5.7	451
52	The <i>Arabidopsis thaliana</i> ACT4/ACT12 actin gene subclass is strongly expressed throughout pollen development. Plant Journal, 1996, 10, 189-202.	5.7	57
53	Structure and Evolution of the Actin Gene Family in <i>Arabidopsis thaliana</i> . Genetics, 1996, 142, 587-602.	2.9	196
54	Sequence-based identification of T-DNA insertion mutations in <i>Arabidopsis</i> : actin mutants act2-1 and act4-1. Plant Journal, 1995, 8, 613-622.	5.7	218