

Jane Glazebrook

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

89
papers

18,717
citations

48
h-index

95
g-index

95
ext. papers

20,815
ext. citations

7.9
avg, IF

6.83
L-index

#	Paper	IF	Citations
89	Contrasting mechanisms of defense against biotrophic and necrotrophic pathogens. <i>Annual Review of Phytopathology</i> , 2005 , 43, 205-27	10.8	2916
88	A draft sequence of the rice genome (<i>Oryza sativa</i> L. ssp. japonica). <i>Science</i> , 2002 , 296, 92-100	33.3	2591
87	The Arabidopsis NPR1 gene that controls systemic acquired resistance encodes a novel protein containing ankyrin repeats. <i>Cell</i> , 1997 , 88, 57-63	56.2	1179
86	A high-throughput Arabidopsis reverse genetics system. <i>Plant Cell</i> , 2002 , 14, 2985-94	11.6	771
85	Expression profile matrix of Arabidopsis transcription factor genes suggests their putative functions in response to environmental stresses. <i>Plant Cell</i> , 2002 , 14, 559-74	11.6	732
84	Priming in systemic plant immunity. <i>Science</i> , 2009 , 324, 89-91	33.3	611
83	Genes controlling expression of defense responses in Arabidopsis--2001 status. <i>Current Opinion in Plant Biology</i> , 2001 , 4, 301-8	9.9	604
82	Quantitative nature of Arabidopsis responses during compatible and incompatible interactions with the bacterial pathogen <i>Pseudomonas syringae</i> . <i>Plant Cell</i> , 2003 , 15, 317-30	11.6	562
81	Arabidopsis thaliana PAD4 encodes a lipase-like gene that is important for salicylic acid signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 13583-8	11.5	489
80	Isolation of Arabidopsis mutants with enhanced disease susceptibility by direct screening. <i>Genetics</i> , 1996 , 143, 973-82	4	465
79	The transcriptome of rhizobacteria-induced systemic resistance in arabidopsis. <i>Molecular Plant-Microbe Interactions</i> , 2004 , 17, 895-908	3.6	424
78	Topology of the network integrating salicylate and jasmonate signal transduction derived from global expression phenotyping. <i>Plant Journal</i> , 2003 , 34, 217-28	6.9	423
77	Network properties of robust immunity in plants. <i>PLoS Genetics</i> , 2009 , 5, e1000772	6	396
76	Isolation of phytoalexin-deficient mutants of Arabidopsis thaliana and characterization of their interactions with bacterial pathogens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 8955-9	11.5	381
75	PAD4 functions upstream from salicylic acid to control defense responses in Arabidopsis. <i>Plant Cell</i> , 1998 , 10, 1021-30	11.6	356
74	Arabidopsis MAP kinase 4 regulates gene expression through transcription factor release in the nucleus. <i>EMBO Journal</i> , 2008 , 27, 2214-21	13	355
73	Arabidopsis PAD3, a gene required for camalexin biosynthesis, encodes a putative cytochrome P450 monooxygenase. <i>Plant Cell</i> , 1999 , 11, 2419-28	11.6	288

72	A fungal-responsive MAPK cascade regulates phytoalexin biosynthesis in Arabidopsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 5638-43	11.5	285
71	Identification of PAD2 as a gamma-glutamylcysteine synthetase highlights the importance of glutathione in disease resistance of Arabidopsis. <i>Plant Journal</i> , 2007 , 49, 159-72	6.9	284
70	Phytoalexin-deficient mutants of Arabidopsis reveal that PAD4 encodes a regulatory factor and that four PAD genes contribute to downy mildew resistance. <i>Genetics</i> , 1997 , 146, 381-92	4	277
69	Interplay between MAMP-triggered and SA-mediated defense responses. <i>Plant Journal</i> , 2008 , 53, 763-75	6.9	270
68	A novel exopolysaccharide can function in place of the calcofluor-binding exopolysaccharide in nodulation of alfalfa by <i>Rhizobium meliloti</i> . <i>Cell</i> , 1989 , 56, 661-72	56.2	263
67	Arabidopsis cytochrome P450 monooxygenase 71A13 catalyzes the conversion of indole-3-acetaldoxime in camalexin synthesis. <i>Plant Cell</i> , 2007 , 19, 2039-52	11.6	259
66	Loss of non-host resistance of Arabidopsis NahG to <i>Pseudomonas syringae</i> pv. phaseolicola is due to degradation products of salicylic acid. <i>Plant Journal</i> , 2003 , 33, 733-42	6.9	200
65	A network of rice genes associated with stress response and seed development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 4945-50	11.5	196
64	Characterization of the early response of Arabidopsis to <i>Alternaria brassicicola</i> infection using expression profiling. <i>Plant Physiology</i> , 2003 , 132, 606-17	6.6	192
63	Arabidopsis CaM binding protein CBP60g contributes to MAMP-induced SA accumulation and is involved in disease resistance against <i>Pseudomonas syringae</i> . <i>PLoS Pathogens</i> , 2009 , 5, e1000301	7.6	184
62	Genes controlling expression of defense responses in Arabidopsis. <i>Current Opinion in Plant Biology</i> , 1999 , 2, 280-6	9.9	166
61	CBP60g and SARD1 play partially redundant critical roles in salicylic acid signaling. <i>Plant Journal</i> , 2011 , 67, 1029-41	6.9	161
60	Arabidopsis thaliana EDS4 contributes to salicylic acid (SA)-dependent expression of defense responses: evidence for inhibition of jasmonic acid signaling by SA. <i>Molecular Plant-Microbe Interactions</i> , 2000 , 13, 503-11	3.6	155
59	Dual regulation of gene expression mediated by extended MAPK activation and salicylic acid contributes to robust innate immunity in Arabidopsis thaliana. <i>PLoS Genetics</i> , 2013 , 9, e1004015	6	153
58	Use of Arabidopsis for genetic dissection of plant defense responses. <i>Annual Review of Genetics</i> , 1997 , 31, 547-69	14.5	127
57	Gene expression signatures from three genetically separable resistance gene signaling pathways for downy mildew resistance. <i>Plant Physiology</i> , 2004 , 135, 1129-44	6.6	124
56	Genetic techniques in <i>Rhizobium meliloti</i> . <i>Methods in Enzymology</i> , 1991 , 204, 398-418	1.7	111
55	Activation of the Arabidopsis thaliana mitogen-activated protein kinase MPK11 by the flagellin-derived elicitor peptide, flg22. <i>Molecular Plant-Microbe Interactions</i> , 2012 , 25, 471-80	3.6	107

54	Network modeling reveals prevalent negative regulatory relationships between signaling sectors in Arabidopsis immune signaling. <i>PLoS Pathogens</i> , 2010 , 6, e1001011	7.6	103
53	Arabidopsis PECTIN METHYLESTERASEs contribute to immunity against <i>Pseudomonas syringae</i> . <i>Plant Physiology</i> , 2014 , 164, 1093-107	6.6	101
52	Constitutive salicylic acid-dependent signaling in <i>cpr1</i> and <i>cpr6</i> mutants requires PAD4. <i>Plant Journal</i> , 2001 , 26, 395-407	6.9	98
51	Structural studies of a novel exopolysaccharide produced by a mutant of <i>Rhizobium meliloti</i> strain Rm1021. <i>Carbohydrate Research</i> , 1990 , 198, 305-12	2.9	82
50	Pectin Biosynthesis Is Critical for Cell Wall Integrity and Immunity in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2016 , 28, 537-56	11.6	79
49	An efficient <i>Agrobacterium</i> -mediated transient transformation of <i>Arabidopsis</i> . <i>Plant Journal</i> , 2012 , 69, 713-9	6.9	74
48	Physical association of pattern-triggered immunity (PTI) and effector-triggered immunity (ETI) immune receptors in <i>Arabidopsis</i> . <i>Molecular Plant Pathology</i> , 2011 , 12, 702-8	5.7	72
47	The mRNA decay factor PAT1 functions in a pathway including MAP kinase 4 and immune receptor SUMM2. <i>EMBO Journal</i> , 2015 , 34, 593-608	13	71
46	Physical association of <i>Arabidopsis</i> hypersensitive induced reaction proteins (HIRs) with the immune receptor RPS2. <i>Journal of Biological Chemistry</i> , 2011 , 286, 31297-307	5.4	68
45	Ancient origins of nitric oxide signaling in biological systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 14206-7	11.5	65
44	The CALMODULIN-BINDING PROTEIN60 family includes both negative and positive regulators of plant immunity. <i>Plant Physiology</i> , 2013 , 163, 1741-51	6.6	55
43	The genetic network controlling the <i>Arabidopsis</i> transcriptional response to <i>Pseudomonas syringae</i> pv. <i>maculicola</i> : roles of major regulators and the phytotoxin coronatine. <i>Molecular Plant-Microbe Interactions</i> , 2008 , 21, 1408-20	3.6	54
42	Endosome-associated CRT1 functions early in resistance gene-mediated defense signaling in <i>Arabidopsis</i> and tobacco. <i>Plant Cell</i> , 2010 , 22, 918-36	11.6	51
41	A high-performance, small-scale microarray for expression profiling of many samples in <i>Arabidopsis</i> -pathogen studies. <i>Plant Journal</i> , 2007 , 49, 565-77	6.9	45
40	A plant effector-triggered immunity signaling sector is inhibited by pattern-triggered immunity. <i>EMBO Journal</i> , 2017 , 36, 2758-2769	13	44
39	Spatio-temporal expression patterns of <i>Arabidopsis thaliana</i> and <i>Medicago truncatula</i> defensin-like genes. <i>PLoS ONE</i> , 2013 , 8, e58992	3.7	43
38	Reassess the t Test: Interact with All Your Data via ANOVA. <i>Plant Cell</i> , 2015 , 27, 2088-94	11.6	40
37	The receptor-like cytoplasmic kinase PCRK1 contributes to pattern-triggered immunity against <i>Pseudomonas syringae</i> in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2015 , 207, 78-90	9.8	38

36	Metabolite profiling of Arabidopsis inoculated with <i>Alternaria brassicicola</i> reveals that ascorbate reduces disease severity. <i>Molecular Plant-Microbe Interactions</i> , 2012 , 25, 1628-38	3.6	38
35	A putative RNA-binding protein positively regulates salicylic acid-mediated immunity in Arabidopsis. <i>Molecular Plant-Microbe Interactions</i> , 2010 , 23, 1573-83	3.6	36
34	WRKY70 prevents axenic activation of plant immunity by direct repression of SARD1. <i>New Phytologist</i> , 2018 , 217, 700-712	9.8	32
33	Co-expression analysis identifies putative targets for CBP60g and SARD1 regulation. <i>BMC Plant Biology</i> , 2012 , 12, 216	5.3	31
32	Pattern-triggered immunity suppresses programmed cell death triggered by fumonisin b1. <i>PLoS ONE</i> , 2013 , 8, e60769	3.7	24
31	MPK11-a fourth elicitor-responsive mitogen-activated protein kinase in Arabidopsis thaliana. <i>Plant Signaling and Behavior</i> , 2012 , 7, 1203-5	2.5	24
30	The interplay between MAMP and SA signaling. <i>Plant Signaling and Behavior</i> , 2008 , 3, 359-61	2.5	23
29	Putative Serine Protease Effectors of <i>Clavibacter michiganensis</i> Induce a Hypersensitive Response in the Apoplast of Nicotiana Species. <i>Molecular Plant-Microbe Interactions</i> , 2015 , 28, 1216-26	3.6	18
28	Different Modes of Negative Regulation of Plant Immunity by Calmodulin-Related Genes. <i>Plant Physiology</i> , 2018 , 176, 3046-3061	6.6	18
27	Local Context Finder (LCF) reveals multidimensional relationships among mRNA expression profiles of Arabidopsis responding to pathogen infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 10842-7	11.5	17
26	Genetic analyses of <i>Rhizobium meliloti</i> exopolysaccharides. <i>International Journal of Biological Macromolecules</i> , 1990 , 12, 67-70	7.9	17
25	Setting up Arabidopsis crosses. <i>Cold Spring Harbor Protocols</i> , 2006 , 2006,	1.2	17
24	Genetic analysis of Arabidopsis mutants. <i>Cold Spring Harbor Protocols</i> , 2008 , 2008, pdb.top35	1.2	15
23	<i>Rhizobium meliloti</i> exopolysaccharides: genetic analyses and symbiotic importance. <i>Biochemical Society Transactions</i> , 1991 , 19, 636-41	5.1	15
22	Identification of rice (<i>Oryza sativa</i>) proteins linked to the cyclin-mediated regulation of the cell cycle. <i>Plant Molecular Biology</i> , 2003 , 53, 273-9	4.6	13
21	Genetic mapping of symbiotic loci on the <i>Rhizobium meliloti</i> chromosome. <i>Molecular Plant-Microbe Interactions</i> , 1992 , 5, 223-7	3.6	13
20	Quick miniprep for plant DNA isolation. <i>Cold Spring Harbor Protocols</i> , 2009 , 2009, pdb.prot5179	1.2	12
19	Overview of mRNA expression profiling using DNA microarrays. <i>Current Protocols in Molecular Biology</i> , 2009 , Chapter 22, Unit 22.4	2.9	11

18	Identification of components in disease-resistance signaling in Arabidopsis by map-based cloning. <i>Methods in Molecular Biology</i> , 2007 , 354, 69-78	1.4	10
17	Measuring Pectin Properties to Track Cell Wall Alterations During Plant-Pathogen Interactions. <i>Methods in Molecular Biology</i> , 2019 , 1991, 55-60	1.4	8
16	Pattern discovery in expression profiling data. <i>Current Protocols in Molecular Biology</i> , 2009 , Chapter 22, Unit 22.5	2.9	8
15	Comparative Genomic Analyses of <i>Clavibacter michiganensis</i> subsp. <i>insidiosus</i> and Pathogenicity on <i>Medicago truncatula</i> . <i>Phytopathology</i> , 2018 , 108, 172-185	3.8	7
14	Dellaporta miniprep for plant DNA isolation. <i>Cold Spring Harbor Protocols</i> , 2009 , 2009, pdb.prot5178	1.2	7
13	Transmission electron microscopy (TEM) freeze substitution of plant tissues. <i>Cold Spring Harbor Protocols</i> , 2010 , 2010, pdb.prot4959	1.2	6
12	Fixation, embedding, and sectioning of plant tissues. <i>Cold Spring Harbor Protocols</i> , 2008 , 2008, pdb.prot4941	1.2	4
11	PAD4 Functions Upstream from Salicylic Acid to Control Defense Responses in Arabidopsis. <i>Plant Cell</i> , 1998 , 10, 1021	11.6	4
10	Cyclohexane Diamine Tetraacetic Acid (CDTA) Extraction of Plant Cell Wall Pectin. <i>Bio-protocol</i> , 2014 , 4,	0.9	4
9	Use of microarray analysis to dissect the plant defense response. <i>Methods in Molecular Biology</i> , 2007 , 354, 121-30	1.4	3
8	Overview of mRNA expression profiling using microarrays. <i>Current Protocols in Molecular Biology</i> , 2004 , Chapter 22, Unit 22.4	2.9	3
7	Arabidopsis PAD3, a Gene Required for Camalexin Biosynthesis, Encodes a Putative Cytochrome P450 Monooxygenase. <i>Plant Cell</i> , 1999 , 11, 2419	11.6	3
6	Functional characterization of PCRK1, a putative protein kinase with a role in immunity. <i>Plant Signaling and Behavior</i> , 2015 , 10, e1063759	2.5	2
5	Phenotypic analysis of Arabidopsis mutants: bacterial pathogens. <i>Cold Spring Harbor Protocols</i> , 2009 , 2009, pdb.prot4983	1.2	2
4	Identification of differentially expressed genes between developing seeds of different soybean cultivars. <i>Genomics Data</i> , 2015 , 6, 92-8		1
3	Pattern discovery in expression profiling data. <i>Current Protocols in Molecular Biology</i> , 2005 , Chapter 22, Unit 22.5	2.9	1
2	Letter to the Editor: DNA Purification-Free PCR from Plant Tissues. <i>Plant and Cell Physiology</i> , 2021 , 62, 1503-1505	4.9	1
1	Genetic Analyses Suggesting Bacterial-Plant Signalling During Nodulation. <i>NATO ASI Series Series H, Cell Biology</i> , 1989 , 329-336		

