

# Jane Glazebrook

## List of Publications by Year in descending order

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Version: 2024-02-01

92  
papers

22,173  
citations

38660

50  
h-index

45213

90  
g-index

95  
all docs

95  
docs citations

95  
times ranked

17578  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Letter to the Editor: DNA Purification-Free PCR from Plant Tissues. <i>Plant and Cell Physiology</i> , 2021, 62, 1503-1505.   | 1.5 | 9         |
| 2  | Measuring Pectin Properties to Track Cell Wall Alterations During Plant-Pathogen Interactions. <i>Methods in Molecular Biology</i> , 2019, 1991, 55-60.   | 0.4 | 14        |
| 3  | Different Modes of Negative Regulation of Plant Immunity by Calmodulin-Related Genes. <i>Plant Physiology</i> , 2018, 176, 3046-3061.   | 2.3 | 31        |
| 4  | Plant biotic interactions: from conflict to collaboration. <i>Plant Journal</i> , 2018, 93, 589-591.  | 2.8 | 22        |
| 5  | WRKY70 prevents axenic activation of plant immunity by direct repression of <i>SARD1</i> . <i>New Phytologist</i> , 2018, 217, 700-712.   | 3.5 | 60        |
| 6  | 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.                                 | 1.1 | 15        |
| 7  | A plant effector-triggered immunity signaling sector is inhibited by pattern-triggered immunity. <i>EMBO Journal</i> , 2017, 36, 2758-2769.   | 3.5 | 69        |
| 8  | Pectin Biosynthesis Is Critical for Cell Wall Integrity and Immunity in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2016, 28, 537-556.  | 3.1 | 144       |
| 9  | The mRNA decay factor PAT 1 functions in a pathway including MAP kinase 4 and immune receptor SUMM 2. <i>EMBO Journal</i> , 2015, 34, 593-608.  | 3.5 | 100       |
| 10 | 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.                    | 3.5 | 50        |
| 11 | Putative Serine Protease Effectors of <i>Clavibacter michiganensis</i> Induce a Hypersensitive Response in the Apoplast of <i>Nicotiana</i> Species. <i>Molecular Plant-Microbe Interactions</i> , 2015, 28, 1216-1226. | 1.4 | 32        |
| 12 | Reassess the <i>t</i> Test: Interact with All Your Data via ANOVA. <i>Plant Cell</i> , 2015, 27, 2088-2094.   | 3.1 | 48        |
| 13 | Functional characterization of PCRK1, a putative protein kinase with a role in immunity. <i>Plant Signaling and Behavior</i> , 2015, 10, e1063759.  | 1.2 | 3         |
| 14 | Identification of differentially expressed genes between developing seeds of different soybean cultivars. <i>Genomics Data</i> , 2015, 6, 92-98.  | 1.3 | 3         |
| 15 | <i>Arabidopsis</i> PECTIN METHYLESTERASEs Contribute to Immunity against <i>Pseudomonas syringae</i> . <i>Plant Physiology</i> , 2014, 164, 1093-1107.  | 2.3 | 166       |
| 16 | Cyclohexane Diamine Tetraacetic Acid (CDTA) Extraction of Plant Cell Wall Pectin. <i>Bio-protocol</i> , 2014, 4, .  | 0.2 | 5         |
| 17 | The CALMODULIN-BINDING PROTEIN60 Family Includes Both Negative and Positive Regulators of Plant Immunity. <i>Plant Physiology</i> , 2013, 163, 1741-1751.   | 2.3 | 91        |
| 18 | Dual Regulation of Gene Expression Mediated by Extended MAPK Activation and Salicylic Acid Contributes to Robust Innate Immunity in <i>Arabidopsis thaliana</i> . <i>PLoS Genetics</i> , 2013, 9, e1004015.             | 1.5 | 208       |

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|----|---|-----|-----------|
| 19 | Spatio-Temporal Expression Patterns of Arabidopsis thaliana and Medicago truncatula Defensin-Like Genes. PLoS ONE, 2013, 8, e58992.   | 1.1 | 54        |
| 20 | Pattern-Triggered Immunity Suppresses Programmed Cell Death Triggered by Fumonisin B1. PLoS ONE, 2013, 8, e60769.   | 1.1 | 30        |
| 21 | MPK11 is a fourth elicitor-responsive mitogen-activated protein kinase in Arabidopsis thaliana. Plant Signaling and Behavior, 2012, 7, 1203-1205.   | 1.2 | 32        |
| 22 | Co-expression analysis identifies putative targets for CBP60g and SARD1 regulation. BMC Plant Biology, 2012, 12, 216.   | 1.6 | 38        |
| 23 | Metabolite Profiling of Arabidopsis Inoculated with Alternaria brassicicola Reveals That Ascorbate Reduces Disease Severity. Molecular Plant-Microbe Interactions, 2012, 25, 1628-1638.   | 1.4 | 54        |
| 24 | Activation of the Arabidopsis thaliana Mitogen-Activated Protein Kinase MPK11 by the Flagellin-Derived Elicitor Peptide, flg22. Molecular Plant-Microbe Interactions, 2012, 25, 471-480.  | 1.4 | 123       |
| 25 | An efficient Agrobacterium-mediated transient transformation of Arabidopsis. Plant Journal, 2012, 69, 713-719.  | 2.8 | 95        |
| 26 | CBP60g and SARD1 play partially redundant critical roles in salicylic acid signaling. Plant Journal, 2011, 67, 1029-1041.   | 2.8 | 244       |
| 27 | Physical association of pattern-triggered immunity (PTI) and effector-triggered immunity (ETI) immune receptors in Arabidopsis. Molecular Plant Pathology, 2011, 12, 702-708.             | 2.0 | 91        |
| 28 | Physical Association of Arabidopsis Hypersensitive Induced Reaction Proteins (HIRs) with the Immune Receptor RPS2. Journal of Biological Chemistry, 2011, 286, 31297-31307.               | 1.6 | 94        |
| 29 | A Putative RNA-Binding Protein Positively Regulates Salicylic Acid-Mediated Immunity in Arabidopsis. Molecular Plant-Microbe Interactions, 2010, 23, 1573-1583.                           | 1.4 | 45        |
| 30 | Network Modeling Reveals Prevalent Negative Regulatory Relationships between Signaling Sectors in Arabidopsis Immune Signaling. PLoS Pathogens, 2010, 6, e1001011.                        | 2.1 | 110       |
| 31 | Endosome-Associated CRT1 Functions Early in Resistance Gene-Mediated Defense Signaling in Arabidopsis and Tobacco. Plant Cell, 2010, 22, 918-936.   | 3.1 | 55        |
| 32 | Transmission Electron Microscopy (TEM) Freeze Substitution of Plant Tissues. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot4959.  | 0.2 | 7         |
| 33 | Arabidopsis CaM Binding Protein CBP60g Contributes to MAMP-Induced SA Accumulation and Is Involved in Disease Resistance against Pseudomonas syringae. PLoS Pathogens, 2009, 5, e1000301. | 2.1 | 242       |
| 34 | Network Properties of Robust Immunity in Plants. PLoS Genetics, 2009, 5, e1000772.  | 1.5 | 489       |
| 35 | Priming in Systemic Plant Immunity. Science, 2009, 324, 89-91.  | 6.0 | 749       |
| 36 | Quick Miniprep for Plant DNA Isolation. Cold Spring Harbor Protocols, 2009, 2009, pdb.prot5179-pdb.prot5179.  | 0.2 | 22        |

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|----|--|-----|-----------|
| 37 | Overview of mRNA Expression Profiling Using DNA Microarrays. <i>Current Protocols in Molecular Biology</i> , 2009, 85, Unit 22.4.  | 2.9 | 14        |
| 38 | Pattern Discovery in Expression Profiling Data. <i>Current Protocols in Molecular Biology</i> , 2009, 85, Unit 22.5.   | 2.9 | 8         |
| 39 | Phenotypic Analysis of <i>Arabidopsis</i> Mutants: Bacterial Pathogens. <i>Cold Spring Harbor Protocols</i> , 2009, 2009, pdb.prot4983.  | 0.2 | 2         |
| 40 | <i>Arabidopsis</i> defense response against <i>Pseudomonas syringae</i> - Effects of major regulatory genes and the impact of coronatine. , 2009, , .  |     | 0         |
| 41 | Dellaporta Miniprep for Plant DNA Isolation. <i>Cold Spring Harbor Protocols</i> , 2009, 2009, pdb.prot5178.   | 0.2 | 9         |
| 42 | <i>Arabidopsis</i> MAP kinase 4 regulates gene expression through transcription factor release in the nucleus. <i>EMBO Journal</i> , 2008, 27, 2214-2221.  | 3.5 | 445       |
| 43 | Interplay between MAMP-triggered and SA-mediated defense responses. <i>Plant Journal</i> , 2008, 53, 763-775.  | 2.8 | 318       |
| 44 | Genetic Analysis of <i>Arabidopsis</i> Mutants. <i>Cold Spring Harbor Protocols</i> , 2008, 2008, pdb.top35-pdb.top35.   | 0.2 | 16        |
| 45 | Fixation, Embedding, and Sectioning of Plant Tissues. <i>Cold Spring Harbor Protocols</i> , 2008, 2008, pdb.prot4941.  | 0.2 | 8         |
| 46 | Immunohistochemistry on Sections of Plant Tissues Using Enzyme-Coupled Avidin-Biotin Complex. <i>Cold Spring Harbor Protocols</i> , 2008, 2008, pdb.prot4945-pdb.prot4945.   | 0.2 | 1         |
| 47 | The interplay between MAMP and SA signaling. <i>Plant Signaling and Behavior</i> , 2008, 3, 359-361.   | 1.2 | 33        |
| 48 | A fungal-responsive MAPK cascade regulates phytoalexin biosynthesis in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 5638-5643.   | 3.3 | 317       |
| 49 | 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, 1408-1420. | 1.4 | 64        |
| 50 | Use of Microarray Analysis to Dissect the Plant Defense Response. , 2007, 354, 121-130.  |     | 3         |
| 51 | Identification of Components in Disease-Resistance Signaling in <i>Arabidopsis</i> by Map-Based Cloning. , 2007, 354, 69-78.   |     | 11        |
| 52 | <i>Arabidopsis</i> Cytochrome P450 Monooxygenase 71A13 Catalyzes the Conversion of Indole-3-Acetaldoxime in Camalexin Synthesis. <i>Plant Cell</i> , 2007, 19, 2039-2052.  | 3.1 | 339       |
| 53 | A high-performance, small-scale microarray for expression profiling of many samples in <i>Arabidopsis</i> -pathogen studies. <i>Plant Journal</i> , 2007, 49, 565-577.   | 2.8 | 51        |
| 54 | Identification of PAD2 as a $\gamma$ -glutamylcysteine synthetase highlights the importance of glutathione in disease resistance of <i>Arabidopsis</i> . <i>Plant Journal</i> , 2006, 49, 159-172.   | 2.8 | 329       |

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|----|--|-----|-----------|
| 55 | Setting Up Arabidopsis Crosses. Cold Spring Harbor Protocols, 2006, 2006, pdb.prot4623-pdb.prot4623.   | 0.2 | 26        |
| 56 | Contrasting Mechanisms of Defense Against Biotrophic and Necrotrophic Pathogens. Annual Review of Phytopathology, 2005, 43, 205-227.   | 3.5 | 3,622     |
| 57 | Pattern Discovery in Expression Profiling Data. Current Protocols in Molecular Biology, 2005, 69, Unit 22.5.   | 2.9 | 1         |
| 58 | The Transcriptome of Rhizobacteria-Induced Systemic Resistance in Arabidopsis. Molecular Plant-Microbe Interactions, 2004, 17, 895-908.  | 1.4 | 483       |
| 59 | Gene Expression Signatures from Three Genetically Separable Resistance Gene Signaling Pathways for Downy Mildew Resistance. Plant Physiology, 2004, 135, 1129-1144.  | 2.3 | 128       |
| 60 | Overview of mRNA Expression Profiling Using Microarrays. Current Protocols in Molecular Biology, 2004, 67, Unit 22.4.  | 2.9 | 3         |
| 61 | Identification of rice ( <i>Oryza sativa</i> ) proteins linked to the cyclin-mediated regulation of the cell cycle. Plant Molecular Biology, 2003, 53, 273-279.  | 2.0 | 17        |
| 62 | Loss of non-host resistance of Arabidopsis NahG to <i>Pseudomonas syringae</i> pv. phaseolicola is due to degradation products of salicylic acid. Plant Journal, 2003, 33, 733-742.  | 2.8 | 215       |
| 63 | Topology of the network integrating salicylate and jasmonate signal transduction derived from global expression phenotyping. Plant Journal, 2003, 34, 217-228.   | 2.8 | 466       |
| 64 | Local Context Finder (LCF) reveals multidimensional relationships among mRNA expression profiles of Arabidopsis responding to pathogen infection. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 10842-10847. | 3.3 | 19        |
| 65 | Characterization of the Early Response of Arabidopsis to <i>Alternaria brassicicola</i> Infection Using Expression Profiling. Plant Physiology, 2003, 132, 606-617.  | 2.3 | 215       |
| 66 | A network of rice genes associated with stress response and seed development. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 4945-4950.   | 3.3 | 228       |
| 67 | Quantitative Nature of Arabidopsis Responses during Compatible and Incompatible Interactions with the Bacterial Pathogen <i>Pseudomonas syringae</i> Δ[W]. Plant Cell, 2003, 15, 317-330.  | 3.1 | 641       |
| 68 | Expression Profile Matrix of Arabidopsis Transcription Factor Genes Suggests Their Putative Functions in Response to Environmental Stresses[W]. Plant Cell, 2002, 14, 559-574.   | 3.1 | 849       |
| 69 | A High-Throughput Arabidopsis Reverse Genetics System. Plant Cell, 2002, 14, 2985-2994.  | 3.1 | 873       |
| 70 | A Draft Sequence of the Rice Genome ( <i>Oryza sativa</i> L. ssp. japonica). Science, 2002, 296, 92-100.   | 6.0 | 2,866     |
| 71 | Constitutive salicylic acid-dependent signaling in <i>cpr1</i> and <i>cpr6</i> mutants requires PAD4. Plant Journal, 2001, 26, 395-407.  | 2.8 | 113       |
| 72 | Genes controlling expression of defense responses in Arabidopsis – 2001 status. Current Opinion in Plant Biology, 2001, 4, 301-308.  | 3.5 | 644       |

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|----|--|------|-----------|
| 73 | 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, 503-511.                     | 1.4  | 186       |
| 74 | Arabidopsis PAD3, a Gene Required for Camalexin Biosynthesis, Encodes a Putative Cytochrome P450 Monooxygenase. <i>Plant Cell</i> , 1999, 11, 2419.  | 3.1  | 3         |
| 75 | 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, 13583-13588.                                   | 3.3  | 544       |
| 76 | Arabidopsis PAD3, a Gene Required for Camalexin Biosynthesis, Encodes a Putative Cytochrome P450 Monooxygenase. <i>Plant Cell</i> , 1999, 11, 2419-2428.   | 3.1  | 322       |
| 77 | Genes controlling expression of defense responses in Arabidopsis. <i>Current Opinion in Plant Biology</i> , 1999, 2, 280-286.  | 3.5  | 191       |
| 78 | 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, 14206-14207.   | 3.3  | 77        |
| 79 | PAD4 Functions Upstream from Salicylic Acid to Control Defense Responses in Arabidopsis. <i>Plant Cell</i> , 1998, 10, 1021-1030.  | 3.1  | 397       |
| 80 | PAD4 Functions Upstream from Salicylic Acid to Control Defense Responses in Arabidopsis. <i>Plant Cell</i> , 1998, 10, 1021.   | 3.1  | 35        |
| 81 | USE OF ARABIDOPSIS FOR GENETIC DISSECTION OF PLANT DEFENSE RESPONSES. <i>Annual Review of Genetics</i> , 1997, 31, 547-569.  | 3.2  | 136       |
| 82 | The Arabidopsis NPR1 Gene That Controls Systemic Acquired Resistance Encodes a Novel Protein Containing Ankyrin Repeats. <i>Cell</i> , 1997, 88, 57-63.  | 13.5 | 1,408     |
| 83 | Phytoalexin-Deficient Mutants of Arabidopsis Reveal That <i>PAD4</i> Encodes a Regulatory Factor and That Four <i>PAD</i> Genes Contribute to Downy Mildew Resistance. <i>Genetics</i> , 1997, 146, 381-392.   | 1.2  | 332       |
| 84 | Isolation of Arabidopsis Mutants With Enhanced Disease Susceptibility by Direct Screening. <i>Genetics</i> , 1996, 143, 973-982.   | 1.2  | 520       |
| 85 | 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, 8955-8959. | 3.3  | 425       |
| 86 | Genetic Mapping of Symbiotic Loci on the <i>Rhizobium meliloti</i> Chromosome. <i>Molecular Plant-Microbe Interactions</i> , 1992, 5, 223.   | 1.4  | 14        |
| 87 | [19] Genetic techniques in <i>Rhizobium meliloti</i> . <i>Methods in Enzymology</i> , 1991, 204, 398-418.  | 0.4  | 122       |
| 88 | <i>Rhizobium meliloti</i> exopolysaccharides: genetic analyses and symbiotic importance. <i>Biochemical Society Transactions</i> , 1991, 19, 636-644.  | 1.6  | 17        |
| 89 | Structural studies of a novel exopolysaccharide produced by a mutant of <i>Rhizobium meliloti</i> strain Rm1021. <i>Carbohydrate Research</i> , 1990, 198, 305-312.  | 1.1  | 88        |
| 90 | Genetic analyses of <i>Rhizobium meliloti</i> exopolysaccharides. <i>International Journal of Biological Macromolecules</i> , 1990, 12, 67-70.   | 3.6  | 21        |

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|----|--|------|-----------|
| 91 | 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, 661-672. | 13.5 | 295       |
| 92 | Genetic Analyses Suggesting Bacterial-Plant Signalling During Nodulation. NATO ASI Series Series H, <i>Cell Biology</i> , 1989, , 329-336.   | 0.5  | 0         |