

Stephen C Whisson

List of Publications by Year in descending order

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40
papers

5,809
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201674

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Haustorium formation and a distinct biotrophic transcriptome characterize infection of <i>Nicotiana benthamiana</i> by the tree pathogen <i>Phytophthora kernoviae</i> . <i>Molecular Plant Pathology</i> , 2021, 22, 954-968.	4.2	5
2	Spray-Induced Gene Silencing as a Potential Tool to Control Potato Late Blight Disease. <i>Phytopathology</i> , 2021, 111, 2168-2175.	2.2	32
3	Secreted pectin monooxygenases drive plant infection by pathogenic oomycetes. <i>Science</i> , 2021, 373, 774-779.	12.6	106
4	Draft genome assemblies for tree pathogens <i>Phytophthora pseudosyringae</i> and <i>Phytophthora boehmeriae</i> . <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	1.8	4
5	Devastating intimacy: the cell biology of plant- <i>Phytophthora</i> interactions. <i>New Phytologist</i> , 2020, 228, 445-458.	7.3	48
6	<i>Phytophthora infestans</i> RXLR effectors act in concert at diverse subcellular locations to enhance host colonization. <i>Journal of Experimental Botany</i> , 2019, 70, 343-356.	4.8	66
7	Draft Genome Sequence for the Tree Pathogen <i>Phytophthora plurivora</i> . <i>Genome Biology and Evolution</i> , 2018, 10, 2432-2442.	2.5	19
8	The <i>Phytophthora infestans</i> Haustorium Is a Site for Secretion of Diverse Classes of Infection-Associated Proteins. <i>MBio</i> , 2018, 9, .	4.1	54
9	<i>Phytophthora infestans</i> effector Pi14054 is a novel candidate suppressor of host silencing mechanisms. <i>European Journal of Plant Pathology</i> , 2017, 149, 771-777.	1.7	17
10	Delivery of cytoplasmic and apoplastic effectors from <i>Phytophthora infestans</i> haustoria by distinct secretion pathways. <i>New Phytologist</i> , 2017, 216, 205-215.	7.3	121
11	The cell biology of late blight disease. <i>Current Opinion in Microbiology</i> , 2016, 34, 127-135.	5.1	106
12	Fragmentation of tRNA in <i>Phytophthora infestans</i> asexual life cycle stages and during host plant infection. <i>BMC Microbiology</i> , 2014, 14, 308.	3.3	24
13	Sequence diversity in the large subunit of RNA polymerase I contributes to Mefenoxam insensitivity in <i>Phytophthora infestans</i> . <i>Molecular Plant Pathology</i> , 2014, 15, 664-676.	4.2	69
14	Phenotypic diversification by gene silencing in <i>Phytophthora</i> plant pathogens. <i>Communicative and Integrative Biology</i> , 2013, 6, e25890.	1.4	9
15	An RxLR Effector from <i>Phytophthora infestans</i> Prevents Re-localisation of Two Plant NAC Transcription Factors from the Endoplasmic Reticulum to the Nucleus. <i>PLoS Pathogens</i> , 2013, 9, e1003670.	4.7	210
16	Can silencing of transposons contribute to variation in effector gene expression in <i>Phytophthora infestans</i> ? <i>Mobile Genetic Elements</i> , 2012, 2, 110-114.	1.8	43
17	Avirulence Protein 3a (AVR3a) from the Potato Pathogen <i>Phytophthora infestans</i> Forms Homodimers through Its Predicted Translocation Region and Does Not Specifically Bind Phospholipids. <i>Journal of Biological Chemistry</i> , 2012, 287, 38101-38109.	3.4	28
18	Evidence for Small RNAs Homologous to Effector-Encoding Genes and Transposable Elements in the Oomycete <i>Phytophthora infestans</i> . <i>PLoS ONE</i> , 2012, 7, e51399.	2.5	79

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19	Silencing of the PiAvr3a effector-encoding gene from <i>Phytophthora infestans</i> by transcriptional fusion to a short interspersed element. <i>Fungal Biology</i> , 2011, 115, 1225-1233.	2.5	18
20	Evidence for involvement of Dicer-like, Argonaute and histone deacetylase proteins in gene silencing in <i>Phytophthora infestans</i> . <i>Molecular Plant Pathology</i> , 2011, 12, 772-785.	4.2	64
21	Presence/absence, differential expression and sequence polymorphisms between PiAVR2 and PiAVR2-like in <i>Phytophthora infestans</i> determine virulence on R2 plants. <i>New Phytologist</i> , 2011, 191, 763-776.	7.3	142
22	Imaging Fluorescently Tagged <i>Phytophthora</i> Effector Proteins Inside Infected Plant Tissue. <i>Methods in Molecular Biology</i> , 2011, 712, 195-209.	0.9	18
23	Mandipropamid targets the cellulose synthase-like PiCesA3 to inhibit cell wall biosynthesis in the oomycete plant pathogen, <i>Phytophthora infestans</i> . <i>Molecular Plant Pathology</i> , 2010, 11, 227-243.	4.2	108
24	<i>Phytophthora infestans</i> effector AVR3a is essential for virulence and manipulates plant immunity by stabilizing host E3 ligase CMPG1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9909-9914.	7.1	412
25	Genome sequence and analysis of the Irish potato famine pathogen <i>Phytophthora infestans</i> . <i>Nature</i> , 2009, 461, 393-398.	27.8	1,405
26	A novel <i>Phytophthora infestans</i> haustorium-specific membrane protein is required for infection of potato. <i>Cellular Microbiology</i> , 2008, 10, 2271-2284.	2.1	87
27	Cellulose Synthesis in <i>Phytophthora infestans</i> Is Required for Normal Appressorium Formation and Successful Infection of Potato. <i>Plant Cell</i> , 2008, 20, 720-738.	6.6	133
28	<i>Plasmodium falciparum</i> and <i>Hyaloperonospora parasitica</i> effector translocation motifs are functional in <i>Phytophthora infestans</i> . <i>Microbiology (United Kingdom)</i> , 2008, 154, 3743-3751.	1.8	94
29	Gene Expression Profiling During Asexual Development of the Late Blight Pathogen <i>Phytophthora infestans</i> Reveals a Highly Dynamic Transcriptome. <i>Molecular Plant-Microbe Interactions</i> , 2008, 21, 433-447.	2.6	105
30	A novel non-protein-coding infection-specific gene family is clustered throughout the genome of <i>Phytophthora infestans</i> . <i>Microbiology (United Kingdom)</i> , 2007, 153, 747-759.	1.8	27
31	A translocation signal for delivery of oomycete effector proteins into host plant cells. <i>Nature</i> , 2007, 450, 115-118.	27.8	760
32	A method for double-stranded RNA-mediated transient gene silencing in <i>Phytophthora infestans</i> . <i>Molecular Plant Pathology</i> , 2005, 6, 153-163.	4.2	108
33	An ancestral oomycete locus contains late blight avirulence gene Avr3a, encoding a protein that is recognized in the host cytoplasm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 7766-7771.	7.1	414
34	Patterns of Diversifying Selection in the Phytotoxin-like scr74 Gene Family of <i>Phytophthora infestans</i> . <i>Molecular Biology and Evolution</i> , 2005, 22, 659-672.	8.9	140
35	Differential Recognition of Highly Divergent Downy Mildew Avirulence Gene Alleles by RPP1 Resistance Genes from Two <i>Arabidopsis</i> Lines. <i>Plant Cell</i> , 2005, 17, 1839-1850.	6.6	416
36	Elevated amino acid biosynthesis in <i>Phytophthora infestans</i> during appressorium formation and potato infection. <i>Fungal Genetics and Biology</i> , 2005, 42, 244-256.	2.1	110

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37	Families of short interspersed elements in the genome of the oomycete plant pathogen, <i>Phytophthora infestans</i> . <i>Fungal Genetics and Biology</i> , 2005, 42, 351-365.	2.1	19
38	<i>Phytophthora sojae</i> avirulence genes Avr4 and Avr6 are located in a 24kb, recombination-rich region of genomic DNA. <i>Fungal Genetics and Biology</i> , 2004, 41, 62-74.	2.1	22
39	Profiling and quantifying differential gene transcription in <i>Phytophthora infestans</i> prior to and during the early stages of potato infection. <i>Fungal Genetics and Biology</i> , 2003, 40, 4-14.	2.1	92
40	<i>Phytophthora infestans</i> enters the genomics era. <i>Molecular Plant Pathology</i> , 2001, 2, 257-263.	4.2	70