

# Rosie Bradshaw

## List of Publications by Year in descending order

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74  
papers

2,550  
citations

304743

22  
h-index

214800

47  
g-index

81  
all docs

81  
docs citations

81  
times ranked

2264  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diverse Lifestyles and Strategies of Plant Pathogenesis Encoded in the Genomes of Eighteen Dothideomycetes Fungi. <i>PLoS Pathogens</i> , 2012, 8, e1003037.	4.7	595
2	The Genomes of the Fungal Plant Pathogens <i>Cladosporium fulvum</i> and <i>Dothistroma septosporum</i> Reveal Adaptation to Different Hosts and Lifestyles But Also Signatures of Common Ancestry. <i>PLoS Genetics</i> , 2012, 8, e1003088.	3.5	226
3	Efficient protoplast isolation from fungi using commercial enzymes. <i>Enzyme and Microbial Technology</i> , 1981, 3, 321-325.	3.2	155
4	<i>Dothistroma</i> (red-band) needle blight of pines and the dothistromin toxin: a review. <i>Forest Pathology</i> , 2004, 34, 163-185.	1.1	104
5	Global geographic distribution and host range of <i>Dothistroma</i> species: a comprehensive review. <i>Forest Pathology</i> , 2016, 46, 408-442.	1.1	84
6	Characterization and Distribution of Mating Type Genes in the <i>Dothistroma</i> Needle Blight Pathogens. <i>Phytopathology</i> , 2007, 97, 825-834.	2.2	79
7	High levels of dothistromin toxin produced by the forest pathogen <i>Dothistroma pini</i> . <i>Mycological Research</i> , 2000, 104, 325-332.	2.5	62
8	Gene targeting is locus dependent in the filamentous fungus <i>Aspergillus nidulans</i> . <i>Molecular Genetics and Genomics</i> , 1997, 255, 219-225.	2.4	59
9	A worldwide perspective on the management and control of <i>Dothistroma</i> needle blight. <i>Forest Pathology</i> , 2016, 46, 472-488.	1.1	58
10	Fragmentation of an aflatoxin-like gene cluster in a forest pathogen. <i>New Phytologist</i> , 2013, 198, 525-535.	7.3	55
11	Specific Hypersensitive Response-Associated Recognition of New Apoplastic Effectors from <i>Cladosporium fulvum</i> in Wild Tomato. <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 145-162.	2.6	50
12	Genome-wide gene expression dynamics of the fungal pathogen <i>Dothistroma septosporum</i> throughout its infection cycle of the gymnosperm host <i>Pinus radiata</i> . <i>Molecular Plant Pathology</i> , 2016, 17, 210-224.	4.2	48
13	<i>Phytophthora agathidicida</i> : research progress, cultural perspectives and knowledge gaps in the control and management of kauri dieback in New Zealand. <i>Plant Pathology</i> , 2020, 69, 3-16.	2.4	48
14	The veA gene of the pine needle pathogen <i>Dothistroma septosporum</i> regulates sporulation and secondary metabolism. <i>Fungal Genetics and Biology</i> , 2012, 49, 141-151.	2.1	46
15	<i>Dothistroma pini</i> , a Forest Pathogen, Contains Homologs of Aflatoxin Biosynthetic Pathway Genes. <i>Applied and Environmental Microbiology</i> , 2002, 68, 2885-2892.	3.1	45
16	A Polyketide Synthase Gene Required for Biosynthesis of the Aflatoxin-like Toxin, Dothistromin. <i>Mycopathologia</i> , 2006, 161, 283-294.	3.1	41
17	A fragmented aflatoxin-like gene cluster in the forest pathogen <i>Dothistroma septosporum</i> . <i>Fungal Genetics and Biology</i> , 2007, 44, 1342-1354.	2.1	35
18	Dothistromin toxin is a virulence factor in <i>Dothistroma</i> needle blight of pines. <i>Plant Pathology</i> , 2015, 64, 225-234.	2.4	35

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19	Dothistromin genes at multiple separate loci are regulated by AflR. <i>Fungal Genetics and Biology</i> , 2013, 51, 12-20.	2.1	30
20	Dothistroma needle blight.. , 2013, , 436-457.		30
21	Biosynthesis of dothistromin. <i>Mycopathologia</i> , 2006, 162, 201-213.	3.1	28
22	LaeA negatively regulates dothistromin production in the pine needle pathogen <i>Dothistroma septosporum</i> . <i>Fungal Genetics and Biology</i> , 2016, 97, 24-32.	2.1	27
23	A review of Pinaceae resistance mechanisms against needle and shoot pathogens with a focus on the <i>Dothistroma</i> – <i>Pinus</i> interaction. <i>Forest Pathology</i> , 2016, 46, 453-471.	1.1	26
24	A conserved proline residue in Dothideomycete Avr4 effector proteins is required to trigger a Cf4-dependent hypersensitive response. <i>Molecular Plant Pathology</i> , 2016, 17, 84-95.	4.2	24
25	Genetic diversity of <i>Phytophthora pluvialis</i> , a pathogen of conifers, in New Zealand and the west coast of the United States of America. <i>Plant Pathology</i> , 2018, 67, 1131-1139.	2.4	23
26	Conservation and expansion of a necrosis-inducing small secreted protein family from host-variable phytopathogens of the Sclerotiniaceae. <i>Molecular Plant Pathology</i> , 2020, 21, 512-526.	4.2	23
27	Heat shock and stationary phase induce transcription of the <i>Saccharomyces cerevisiae</i> iso-2 cytochrome c gene. <i>Current Genetics</i> , 1991, 20, 185-188.	1.7	22
28	A mutualistic fungal symbiont of perennial ryegrass contains two different pyr4 genes, both expressing orotidine-5 <sup>α</sup> -monophosphate decarboxylase. <i>Gene</i> , 1995, 158, 31-39.	2.2	22
29	Dothistromin toxin is not required for dothistroma needle blight in <i>Pinus radiata</i> . <i>Plant Pathology</i> , 2009, 58, 293-304.	2.4	22
30	The hemibiotrophic lifestyle of the fungal pine pathogen <i>Dothistroma septosporum</i> . <i>Forest Pathology</i> , 2015, 45, 190-202.	1.1	22
31	Development of microsatellite and mating type markers for the pine needle pathogen <i>Lecanosticta acicola</i> . <i>Australasian Plant Pathology</i> , 2014, 43, 161-165.	1.0	21
32	Genetics of Dothistromin Biosynthesis of <i>Dothistroma septosporum</i> : An Update. <i>Toxins</i> , 2010, 2, 2680-2698.	3.4	20
33	Global population genomics of the forest pathogen <i>Dothistroma septosporum</i> reveal chromosome duplications in high dothistromin-producing strains. <i>Molecular Plant Pathology</i> , 2019, 20, 784-799.	4.2	19
34	Early expression of aflatoxin-like dothistromin genes in the forest pathogen <i>Dothistroma septosporum</i> . <i>Mycological Research</i> , 2008, 112, 138-146.	2.5	18
35	A novel GFP-based approach for screening biocontrol microorganisms in vitro against <i>Dothistroma septosporum</i> . <i>Journal of Microbiological Methods</i> , 2011, 87, 32-37.	1.6	18
36	An improved artificial pathogenicity assay for <i>Dothistroma</i> needle blight on <i>Pinus radiata</i> . <i>Australasian Plant Pathology</i> , 2013, 42, 503-510.	1.0	17

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37	Isolation and nucleotide sequence of the 5-aminolevulinic synthase gene from <i>Aspergillus nidulans</i> . <i>Current Genetics</i> , 1993, 23, 501-507.	1.7	16
38	Transformation of the fungal forest pathogen <i>Dothistroma pini</i> to hygromycin resistance. <i>Mycological Research</i> , 1997, 101, 1247-1250.	2.5	16
39	Signatures of Post-Glacial Genetic Isolation and Human-Driven Migration in the <i>Dothistroma</i> Needle Blight Pathogen in Western Canada. <i>Phytopathology</i> , 2021, 111, 116-127.	2.2	15
40	Cytochrome c is not essential for viability of the fungus <i>Aspergillus nidulans</i> . <i>Molecular Genetics and Genomics</i> , 2001, 266, 48-55.	2.1	14
41	<i>Ciborinia camelliae</i> (Sclerotiniaceae) Induces Variable Plant Resistance Responses in Selected Species of <i>Camellia</i> . <i>Phytopathology</i> , 2013, 103, 725-732.	2.2	14
42	DsEcp2-1 is a polymorphic effector that restricts growth of <i>Dothistroma septosporum</i> in pine. <i>Fungal Genetics and Biology</i> , 2020, 135, 103300.	2.1	14
43	Cloning and characterisation of the cytochrome c gene of <i>Aspergillus nidulans</i> . <i>Molecular Genetics and Genomics</i> , 1994, 242, 17-22.	2.4	13
44	Chromatin $\epsilon$ level regulation of the fragmented dothistromin gene cluster in the forest pathogen <i>Dothistroma septosporum</i> . <i>Molecular Microbiology</i> , 2018, 107, 508-522.	2.5	13
45	Functional analysis of RXLR effectors from the New Zealand kauri dieback pathogen <i>Phytophthora agathidicida</i> . <i>Molecular Plant Pathology</i> , 2020, 21, 1131-1148.	4.2	13
46	Detection and quantification of three distinct <i>Neotyphodium lolii</i> endophytes in <i>Lolium perenne</i> by real time PCR of secondary metabolite genes. <i>Fungal Biology</i> , 2014, 118, 316-324.	2.5	11
47	Apoplastic effector candidates of a foliar forest pathogen trigger cell death in host and non-host plants. <i>Scientific Reports</i> , 2021, 11, 19958.	3.3	11
48	Rapid identification of polymorphic microsatellite loci in a forest pathogen, <i>Dothistroma pini</i> , using anchored PCR. <i>Mycological Research</i> , 2001, 105, 1075-1078.	2.5	10
49	Transformation of <i>Cyclaneusma minus</i> with Green Fluorescent Protein (GFP) to Enable Screening of Fungi for Biocontrol Activity. <i>Forests</i> , 2012, 3, 83-94.	2.1	10
50	Protoplast fusion in <i>Aspergillus</i> : selection of interspecific heterokaryons using antifungal inhibitors. <i>Journal of Microbiological Methods</i> , 1984, 3, 27-32.	1.6	9
51	Functional Analysis of a Putative Dothistromin Toxin MFS Transporter Gene. <i>Toxins</i> , 2009, 1, 173-187.	3.4	9
52	From protoplasts to gene clusters. <i>The Mycologist</i> , 2006, 20, 133-139.	0.4	8
53	Dothistromin biosynthesis genes allow inter $\epsilon$ and intraspecific differentiation between <i>Dothistroma</i> pine needle blight fungi. <i>Forest Pathology</i> , 2011, 41, 407-416.	1.1	8
54	Evolution of polyketide synthesis in a Dothideomycete forest pathogen. <i>Fungal Genetics and Biology</i> , 2017, 106, 42-50.	2.1	8

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55	CRISPR-Cas9 gene editing and rapid detection of gene-edited mutants using high-resolution melting in the apple scab fungus, <i>Venturia inaequalis</i> . <i>Fungal Biology</i> , 2022, 126, 35-46.	2.5	8
56	Genomics of the filamentous fungi “moving from the shadow of the bakers yeast. <i>The Mycologist</i> , 2006, 20, 10-14.	0.4	7
57	A novel secondary metabolite from the Eucalyptus pathogen <i>Mycosphaerella cryptica</i> . <i>Forest Pathology</i> , 2009, 39, 289-292.	1.1	7
58	In vitro assays of <i>Phytophthora agathidicida</i> on kauri leaves suggest variability in pathogen virulence and host response. <i>New Zealand Plant Protection</i> , 0, 71, 285-288.	0.3	7
59	Aspects of penicillin production in <i>Aspergillus</i> hybrids. <i>Enzyme and Microbial Technology</i> , 1984, 6, 121-126.	3.2	6
60	Isolation and nucleotide sequence of the ribosomal protein S16-encoding gene from <i>Aspergillus nidulans</i> . <i>Gene</i> , 1991, 108, 157-162.	2.2	6
61	Reduced Virulence of an Introduced Forest Pathogen over 50 Years. <i>Microorganisms</i> , 2019, 7, 420.	3.6	6
62	Evolutionary relics dominate the small number of secondary metabolism genes in the hemibiotrophic fungus <i>Dothistroma septosporum</i> . <i>Fungal Biology</i> , 2019, 123, 397-407.	2.5	6
63	Isolation and Northern blotting of RNA from <i>Aspergillus nidulans</i> . <i>Journal of Microbiological Methods</i> , 1992, 15, 1-5.	1.6	5
64	Targeted Gene Mutations in the Forest Pathogen <i>Dothistroma septosporum</i> Using CRISPR/Cas9. <i>Plants</i> , 2022, 11, 1016.	3.5	5
65	First report of apothecia of <i>Tapesia yallundae</i> occurring on the wild grass <i>Holcus lanatus</i> (Yorkshire) Tj ETQq1 1 0.784314 rgBT /Overlaid	2.4	4
66	Regulation of the aflatoxin-like toxin dothistromin by AflJ. <i>Fungal Biology</i> , 2015, 119, 503-508.	2.5	4
67	Genetic analysis in <i>Aspergillus rugulosus</i> using the parasexual cycle. <i>Transactions of the British Mycological Society</i> , 1983, 81, 15-19.	0.6	3
68	Genetics of Dothistromin Biosynthesis in the Peanut Pathogen <i>Passalora arachidicola</i> . <i>Toxins</i> , 2010, 2, 2738-2753.	3.4	3
69	Genome-scale investigation of phenotypically distinct but nearly clonal <i>Trichoderma</i> strains. <i>PeerJ</i> , 2016, 4, e2023.	2.0	3
70	Growth and fruition of a pathology research community: the <i>Dothistroma</i> story. <i>Forest Pathology</i> , 2016, 46, 383-387.	1.1	3
71	<i>Camellia</i> Plant Resistance and Susceptibility to Petal Blight Disease Are Defined by the Timing of Defense Responses. <i>Molecular Plant-Microbe Interactions</i> , 2020, 33, 982-995.	2.6	2
72	The secreted proteome of necrotrophic <i>Ciborinia camelliae</i> causes non-host-specific virulence. <i>Plant Pathology</i> , 0, , .	2.4	1

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73	Fungal genetics. , 2018, , 35-42.		1
74	Identification of putative regulatory signals including the HAP1 binding site in the upstream sequence of the <i>Aspergillus nidulans</i> cytochrome c gene ( <i>cycA</i> ).. Fungal Genetics Reports, 1998, 45, 15-18.	0.6	0