

Richard P Oliver

List of Publications by Year in descending order

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81
papers

6,787
citations

81900
39
h-index

66911
78
g-index

84
all docs

84
docs citations

84
times ranked

4881
citing authors

#	ARTICLE	IF	CITATIONS
1	Globalizing plant health. <i>Plant Pathology</i> , 2022, 71, 226-235.	2.4	3
2	The rise of necrotrophic effectors. <i>New Phytologist</i> , 2022, 233, 11-14.	7.3	7
3	Fungicide resistance characterized across seven modes of action in <i>Botrytis cinerea</i> isolated from Australian vineyards. <i>Pest Management Science</i> , 2022, 78, 1326-1340.	3.4	21
4	Variability in an effector gene promoter of a necrotrophic fungal pathogen dictates epistasis and effector-triggered susceptibility in wheat. <i>PLoS Pathogens</i> , 2022, 18, e1010149.	4.7	9
5	Plant Health in a One Health context Special Issue. <i>Plant Pathology</i> , 2022, 71, 3-4.	2.4	0
6	The novel avirulence effector ALAvr1 from <i>Ascochyta lentis</i> mediates host cultivar specificity of ascochyta blight in lentil. <i>Molecular Plant Pathology</i> , 2022, , .	4.2	5
7	Septoria Nodorum Blotch of Wheat: Disease Management and Resistance Breeding in the Face of Shifting Disease Dynamics and a Changing Environment. <i>Phytopathology</i> , 2021, 111, 906-920.	2.2	24
8	Rapid in situ quantification of the strobilurin resistance mutation G143A in the wheat pathogen <i>Blumeria graminis</i> f. sp. <i>tritici</i> . <i>Scientific Reports</i> , 2021, 11, 4526.	3.3	16
9	Transcription factor control of virulence in phytopathogenic fungi. <i>Molecular Plant Pathology</i> , 2021, 22, 858-881.	4.2	50
10	High frequency of fungicide resistance-associated mutations in the wheat yellow rust pathogen <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . <i>Pest Management Science</i> , 2021, 77, 3358-3371.	3.4	30
11	Adult resistance genes to barley powdery mildew confer basal penetration resistance associated with broad-spectrum resistance. <i>Plant Genome</i> , 2021, 14, e20129.	2.8	12
12	Analysis of mutations in West Australian populations of <i>Blumeria graminis</i> f. sp. <i>hordei</i> CYP51 conferring resistance to DMI fungicides. <i>Pest Management Science</i> , 2020, 76, 1265-1272.	3.4	17
13	Reference Genome Assembly for Australian <i>Ascochyta rabiei</i> Isolate ArME14. G3: Genes, Genomes, Genetics, 2020, 10, 2131-2140.	1.8	15
14	Genetic analysis of wheat sensitivity to the ToxB fungal effector from <i>Pyrenophora tritici-repentis</i> , the causal agent of tan spot. <i>Theoretical and Applied Genetics</i> , 2020, 133, 935-950.	3.6	31
15	The identification and deletion of the polyketide synthase-nonribosomal peptide synthase gene responsible for the production of the phytotoxic triticone A/B in the wheat fungal pathogen <i>Pyrenophora tritici-repentis</i> . <i>Environmental Microbiology</i> , 2019, 21, 4875-4886.	3.8	12
16	A specific fungal transcription factor controls effector gene expression and orchestrates the establishment of the necrotrophic pathogen lifestyle on wheat. <i>Scientific Reports</i> , 2019, 9, 15884.	3.3	34
17	Heterologous Expression of the <i>Pyrenophora tritici-repentis</i> Effector Proteins ToxA and ToxB, and the Prevalence of Effector Sensitivity in Australian Cereal Crops. <i>Frontiers in Microbiology</i> , 2019, 10, 182.	3.5	28
18	Genome-Wide Association Mapping of Resistance to <i>Septoria Nodorum</i> Leaf Blotch in a Nordic Spring Wheat Collection. <i>Plant Genome</i> , 2019, 12, 180105.	2.8	22

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19	“CATASTrophy” a Genome-Informed Trophic Classification of Filamentous Plant Pathogens “ How Many Different Types of Filamentous Plant Pathogens Are There?. <i>Frontiers in Microbiology</i> , 2019, 10, 3088.	3.5	41
20	Low Amplitude Boom-and-Bust Cycles Define the Septoria Nodorum Blotch Interaction. <i>Frontiers in Plant Science</i> , 2019, 10, 1785.	3.6	16
21	Novel sources of resistance to Septoria nodorum blotch in the Vavilov wheat collection identified by genome-wide association studies. <i>Theoretical and Applied Genetics</i> , 2018, 131, 1223-1238.	3.6	53
22	Comparative genomics of the wheat fungal pathogen <i>Pyrenophora tritici-repentis</i> reveals chromosomal variations and genome plasticity. <i>BMC Genomics</i> , 2018, 19, 279.	2.8	56
23	Genomic distribution of a novel <i>Pyrenophora tritici-repentis</i> ToxA insertion element. <i>PLoS ONE</i> , 2018, 13, e0206586.	2.5	16
24	Pan-Parastagonospora Comparative Genome Analysis”Effector Prediction and Genome Evolution. <i>Genome Biology and Evolution</i> , 2018, 10, 2443-2457.	2.5	43
25	Assessing European Wheat Sensitivities to <i>Parastagonospora nodorum</i> Necrotrophic Effectors and Fine-Mapping the Snn3-B1 Locus Conferring Sensitivity to the Effector SnTox3. <i>Frontiers in Plant Science</i> , 2018, 9, 881.	3.6	48
26	Improved Detection and Monitoring of Fungicide Resistance in <i>Blumeria graminis</i> f. sp. hordei With High-Throughput Genotype Quantification by Digital PCR. <i>Frontiers in Microbiology</i> , 2018, 9, 706.	3.5	24
27	A functionally conserved Zn ² Cys ⁶ binuclear cluster transcription factor class regulates necrotrophic effector gene expression and host-specific virulence of two major Pleosporales fungal pathogens of wheat. <i>Molecular Plant Pathology</i> , 2017, 18, 420-434.	4.2	69
28	The Complete Genome Sequence of the Phytopathogenic Fungus <i>Sclerotinia sclerotiorum</i> Reveals Insights into the Genome Architecture of Broad Host Range Pathogens. <i>Genome Biology and Evolution</i> , 2017, 9, 593-618.	2.5	187
29	Regulation of proteinaceous effector expression in phytopathogenic fungi. <i>PLoS Pathogens</i> , 2017, 13, e1006241.	4.7	75
30	Codon optimization underpins generalist parasitism in fungi. <i>ELife</i> , 2017, 6, .	6.0	36
31	Demethylase Inhibitor Fungicide Resistance in <i>Pyrenophora teres</i> f. sp. <i>teres</i> Associated with Target Site Modification and Inducible Overexpression of Cyp51. <i>Frontiers in Microbiology</i> , 2016, 7, 1279.	3.5	74
32	Comprehensive Annotation of the <i>Parastagonospora nodorum</i> Reference Genome Using Next-Generation Genomics, Transcriptomics and Proteogenomics. <i>PLoS ONE</i> , 2016, 11, e0147221.	2.5	47
33	OcculterCut: A Comprehensive Survey of AT-Rich Regions in Fungal Genomes. <i>Genome Biology and Evolution</i> , 2016, 8, 2044-2064.	2.5	123
34	Differential effector gene expression underpins epistasis in a plant fungal disease. <i>Plant Journal</i> , 2016, 87, 343-354.	5.7	75
35	Evaluation of a Multilocus Indel DNA Region for the Detection of the Wheat Tan Spot Pathogen <i>Pyrenophora tritici-repentis</i> . <i>Plant Disease</i> , 2016, 100, 2215-2225.	1.4	8
36	Fungal Plant Pathogenesis Mediated by Effectors. <i>Microbiology Spectrum</i> , 2016, 4, .	3.0	12

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37	Proposal for a unified nomenclature for target-site mutations associated with resistance to fungicides. <i>Pest Management Science</i> , 2016, 72, 1449-1459.	3.4	76
38	Dissecting the role of histidine kinase and HOG1 mitogen-activated protein kinase signalling in stress tolerance and pathogenicity of <i>Parastagonospora nodorum</i> on wheat. <i>Microbiology (United Kingdom)</i> , 2016, 159, 1972-1985.	1.8	14
39	Functional redundancy of necrotrophic effectors – consequences for exploitation for breeding. <i>Frontiers in Plant Science</i> , 2015, 6, 501.	3.6	33
40	Fine-Mapping the Wheat <i>Snn1</i> Locus Conferring Sensitivity to the <i>Parastagonospora nodorum</i> Necrotrophic Effector SnTox1 Using an Eight Founder Multiparent Advanced Generation Inter-Cross Population. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 2257-2266.	1.8	38
41	An <i>In Planta</i> -Expressed Polyketide Synthase Produces (<i>R</i>)-Mellein in the Wheat Pathogen <i>Parastagonospora nodorum</i> . <i>Applied and Environmental Microbiology</i> , 2015, 81, 177-186.	3.1	54
42	Overview of genomic and bioinformatic resources for <i>Zymoseptoria tritici</i> . <i>Fungal Genetics and Biology</i> , 2015, 79, 13-16.	2.1	17
43	CodingQuarry: highly accurate hidden Markov model gene prediction in fungal genomes using RNA-seq transcripts. <i>BMC Genomics</i> , 2015, 16, 170.	2.8	158
44	Sensitivity to three <i>Parastagonospora nodorum</i> necrotrophic effectors in current Australian wheat cultivars and the presence of further fungal effectors. <i>Crop and Pasture Science</i> , 2014, 65, 150.	1.5	37
45	Effectors as Tools in Disease Resistance Breeding Against Biotrophic, Hemibiotrophic, and Necrotrophic Plant Pathogens. <i>Molecular Plant-Microbe Interactions</i> , 2014, 27, 196-206.	2.6	363
46	Generation of a ToxA knockout strain of the wheat tan spot pathogen <i>Pyrenophora tritici-repentis</i> . <i>Molecular Plant Pathology</i> , 2014, 15, 918-926.	4.2	45
47	Mixtures as a Fungicide Resistance Management Tactic. <i>Phytopathology</i> , 2014, 104, 1264-1273.	2.2	83
48	Governing Principles Can Guide Fungicide-Resistance Management Tactics. <i>Annual Review of Phytopathology</i> , 2014, 52, 175-195.	7.8	150
49	A reassessment of the risk of rust fungi developing resistance to fungicides. <i>Pest Management Science</i> , 2014, 70, 1641-1645.	3.4	71
50	Global diversity and distribution of three necrotrophic effectors in <i>Phaeosphaeria nodorum</i> and related species. <i>New Phytologist</i> , 2013, 199, 241-251.	7.3	101
51	Comparative Genomics of a Plant-Pathogenic Fungus, <i>Pyrenophora tritici-repentis</i> , Reveals Transduplication and the Impact of Repeat Elements on Pathogenicity and Population Divergence. <i>G3: Genes, Genomes, Genetics</i> , 2013, 3, 41-63.	1.8	167
52	Resequencing and Comparative Genomics of <i>Stagonospora nodorum</i> : Sectional Gene Absence and Effector Discovery. <i>G3: Genes, Genomes, Genetics</i> , 2013, 3, 959-969.	1.8	66
53	Dissecting the role of G-protein signalling in primary metabolism in the wheat pathogen <i>Stagonospora nodorum</i> . <i>Microbiology (United Kingdom)</i> , 2013, 159, 1972-1985.	1.8	14
54	The Cysteine Rich Necrotrophic Effector SnTox1 Produced by <i>Stagonospora nodorum</i> Triggers Susceptibility of Wheat Lines Harboring <i>Snn1</i> . <i>PLoS Pathogens</i> , 2012, 8, e1002467.	4.7	233

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55	Genomic tillage and the harvest of fungal phytopathogens. <i>New Phytologist</i> , 2012, 196, 1015-1023.	7.3	34
56	Quantitative Variation in Effector Activity of ToxA Isoforms from <i>Stagonospora nodorum</i> and <i>Pyrenophora tritici-repentis</i> . <i>Molecular Plant-Microbe Interactions</i> , 2012, 25, 515-522.	2.6	70
57	Effector diversification within compartments of the <i>Leptosphaeria maculans</i> genome affected by Repeat-Induced Point mutations. <i>Nature Communications</i> , 2011, 2, 202.	12.8	481
58	A unique wheat disease resistance-like gene governs effector-triggered susceptibility to necrotrophic pathogens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13544-13549.	7.1	450
59	Evolution of Linked Avirulence Effectors in <i>Leptosphaeria maculans</i> Is Affected by Genomic Environment and Exposure to Resistance Genes in Host Plants. <i>PLoS Pathogens</i> , 2010, 6, e1001180.	4.7	158
60	Proteinaceous necrotrophic effectors in fungal virulence. <i>Functional Plant Biology</i> , 2010, 37, 907.	2.1	80
61	SnTox3 Acts in Effector Triggered Susceptibility to Induce Disease on Wheat Carrying the Snn3 Gene. <i>PLoS Pathogens</i> , 2009, 5, e1000581.	4.7	175
62	Metabolite profiling identifies the mycotoxin alternariol in the pathogen <i>Stagonospora nodorum</i> . <i>Metabolomics</i> , 2009, 5, 330-335.	3.0	48
63	Characterization of the Interaction of a Novel <i>Stagonospora nodorum</i> Host-Selective Toxin with a Wheat Susceptibility Gene. <i>Plant Physiology</i> , 2008, 146, 323-324.	4.8	149
64	Host-specific toxins: effectors of necrotrophic pathogenicity. <i>Cellular Microbiology</i> , 2008, 10, 1421-1428.	2.1	275
65	RIPCAL: a tool for alignment-based analysis of repeat-induced point mutations in fungal genomic sequences. <i>BMC Bioinformatics</i> , 2008, 9, 478.	2.6	151
66	A Signaling-Regulated, Short-Chain Dehydrogenase of <i>Stagonospora nodorum</i> Regulates Asexual Development. <i>Eukaryotic Cell</i> , 2008, 7, 1916-1929.	3.4	45
67	A quantitative PCR approach to determine gene copy number. <i>Fungal Genetics Reports</i> , 2008, 55, 5-8.	0.6	53
68	Dothideomycete Plant Interactions Illuminated by Genome Sequencing and EST Analysis of the Wheat Pathogen <i>Stagonospora nodorum</i> . <i>Plant Cell</i> , 2007, 19, 3347-3368.	6.6	235
69	The <i>Medicago truncatula</i> reference accession A17 has an aberrant chromosomal configuration. <i>New Phytologist</i> , 2007, 174, 299-303.	7.3	42
70	Emergence of a new disease as a result of interspecific virulence gene transfer. <i>Nature Genetics</i> , 2006, 38, 953-956.	21.4	667
71	Structural Characterisation of the Interaction between <i>Triticum aestivum</i> and the Dothideomycete Pathogen <i>Stagonospora nodorum</i> . <i>European Journal of Plant Pathology</i> , 2006, 114, 275-282.	1.7	46
72	Î-Aminolaevulinic acid synthesis is required for virulence of the wheat pathogen <i>Stagonospora nodorum</i> . <i>Microbiology (United Kingdom)</i> , 2006, 152, 1533-1538.	1.8	11

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73	Mannitol 1-Phosphate Metabolism Is Required for Sporulation in Planta of the Wheat Pathogen <i>Stagonospora nodorum</i> . <i>Molecular Plant-Microbe Interactions</i> , 2005, 18, 110-115.	2.6	53
74	<i>Arabidopsis</i> pathology breathes new life into the necrotrophs-vs.-biotrophs classification of fungal pathogens. <i>Molecular Plant Pathology</i> , 2004, 5, 347-352.	4.2	238
75	The isolation of Ant1, a transposable element from <i>Aspergillus niger</i> . <i>Molecular Genetics and Genomics</i> , 1995, 249, 432-438.	2.4	46
76	Inheritance and alteration of transforming DNA during an induced parasexual cycle in the imperfect fungus <i>Cladosporium fulvum</i> . <i>Current Genetics</i> , 1993, 23, 508-511.	1.7	19
77	Cloning and characterisation of telomeric DNA from <i>Cladosporium fulvum</i> . <i>Gene</i> , 1993, 132, 67-73.	2.2	37
78	CfT-I: an LTR-retrotransposon in <i>Cladosporium fulvum</i> , a fungal pathogen of tomato. <i>Molecular Genetics and Genomics</i> , 1992, 233, 337-347.	2.4	98
79	Transformation frequencies are enhanced and vector DNA is targeted during retransformation of <i>Leptosphaeria maculans</i> , a fungal plant pathogen. <i>Molecular Genetics and Genomics</i> , 1992, 231, 243-247.	2.4	24
80	Pulsed field gel electrophoresis reveals chromosome length differences between strains of <i>Cladosporium fulvum</i> (syn. <i>Fulvia fulva</i>). <i>Molecular Genetics and Genomics</i> , 1991, 229, 267-272.	2.4	40
81	Fungal Plant Pathogenesis Mediated by Effectors. , 0, , 767-785.		1