

Richard A Wilson

List of Publications by Year in descending order

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45
papers

3,712
citations

201674

27
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243625

44
g-index

49
all docs

49
docs citations

49
times ranked

4142
citing authors

#	ARTICLE	IF	CITATIONS
1	Relationship between Secondary Metabolism and Fungal Development. <i>Microbiology and Molecular Biology Reviews</i> , 2002, 66, 447-459.	6.6	865
2	Under pressure: investigating the biology of plant infection by <i>Magnaporthe oryzae</i> . <i>Nature Reviews Microbiology</i> , 2009, 7, 185-195.	28.6	809
3	Tps1 regulates the pentose phosphate pathway, nitrogen metabolism and fungal virulence. <i>EMBO Journal</i> , 2007, 26, 3673-3685.	7.8	165
4	Reactive oxygen species metabolism and plant-fungal interactions. <i>Fungal Genetics and Biology</i> , 2018, 110, 1-9.	2.1	138
5	An NADPH-dependent genetic switch regulates plant infection by the rice blast fungus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 21902-21907.	7.1	130
6	Fundamental Contribution of \hat{I}^2 -Oxidation to Polyketide Mycotoxin Production In Planta. <i>Molecular Plant-Microbe Interactions</i> , 2005, 18, 783-793.	2.6	115
7	Principles of Carbon Catabolite Repression in the Rice Blast Fungus: Tps1, Nmr1-3, and a MATE Family Pump Regulate Glucose Metabolism during Infection. <i>PLoS Genetics</i> , 2012, 8, e1002673.	3.5	112
8	Mutational Analysis of AREA, a Transcriptional Activator Mediating Nitrogen Metabolite Repression in <i>Aspergillus nidulans</i> and a Member of the "Streetwise" GATA Family of Transcription Factors. <i>Microbiology and Molecular Biology Reviews</i> , 1998, 62, 586-596.	6.6	109
9	GATA-Dependent Glutaminolysis Drives Appressorium Formation in <i>Magnaporthe oryzae</i> by Suppressing TOR Inhibition of cAMP/PKA Signaling. <i>PLoS Pathogens</i> , 2015, 11, e1004851.	4.7	95
10	Cultivar-Dependent Expression of a Maize Lipxygenase Responsive to Seed Infesting Fungi. <i>Molecular Plant-Microbe Interactions</i> , 2001, 14, 980-987.	2.6	89
11	Oxygenase Coordination Is Required for Morphological Transition and the Host-Fungus Interaction of <i>Aspergillus flavus</i> . <i>Molecular Plant-Microbe Interactions</i> , 2009, 22, 882-894.	2.6	84
12	The <i>Magnaporthe oryzae</i> nitrooxidative stress response suppresses rice innate immunity during blast disease. <i>Nature Microbiology</i> , 2017, 2, 17054.	13.3	75
13	Characterizing Roles for the Glutathione Reductase, Thioredoxin Reductase and Thioredoxin Peroxidase-Encoding Genes of <i>Magnaporthe oryzae</i> during Rice Blast Disease. <i>PLoS ONE</i> , 2014, 9, e87300.	2.5	61
14	Plant defence suppression is mediated by a fungal sirtuin during rice infection by <i>Magnaporthe oryzae</i> . <i>Molecular Microbiology</i> , 2014, 94, 70-88.	2.5	59
15	Glucose-ABL1-TOR Signaling Modulates Cell Cycle Tuning to Control Terminal Appressorial Cell Differentiation. <i>PLoS Genetics</i> , 2017, 13, e1006557.	3.5	58
16	Evidence for a Transketolase-Mediated Metabolic Checkpoint Governing Biotrophic Growth in Rice Cells by the Blast Fungus <i>Magnaporthe oryzae</i> . <i>PLoS Pathogens</i> , 2014, 10, e1004354.	4.7	57
17	Towards Defining Nutrient Conditions Encountered by the Rice Blast Fungus during Host Infection. <i>PLoS ONE</i> , 2012, 7, e47392.	2.5	56
18	Glycogen Metabolic Genes Are Involved in Trehalose-6-Phosphate Synthase-Mediated Regulation of Pathogenicity by the Rice Blast Fungus <i>Magnaporthe oryzae</i> . <i>PLoS Pathogens</i> , 2013, 9, e1003604.	4.7	54

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19	Mechanisms of Nutrient Acquisition and Utilization During Fungal Infections of Leaves. Annual Review of Phytopathology, 2014, 52, 155-174.	7.8	54
20	Growth in rice cells requires de novo purine biosynthesis by the blast fungus <i>Magnaporthe oryzae</i> . Scientific Reports, 2013, 3, 2398.	3.3	52
21	Identification of anti-inflammatory vesicle-like nanoparticles in honey. Journal of Extracellular Vesicles, 2021, 10, e12069.	12.2	47
22	Fungal Virulence and Development Is Regulated by Alternative Pre-mRNA 3' End Processing in <i>Magnaporthe oryzae</i> . PLoS Pathogens, 2011, 7, e1002441.	4.7	45
23	TOR-autophagy branch signaling via Imp1 dictates plant-microbe biotrophic interface longevity. PLoS Genetics, 2018, 14, e1007814.	3.5	45
24	Essential, deadly, enigmatic: Polyamine metabolism and roles in fungal cells. Fungal Biology Reviews, 2019, 33, 47-57.	4.7	44
25	Spermine-mediated tight sealing of the <i>Magnaporthe oryzae</i> appressorial pore at rice leaf surface interface. Nature Microbiology, 2020, 5, 1472-1480.	13.3	41
26	Fungal physiology – a future perspective. Microbiology (United Kingdom), 2009, 155, 3810-3815.	1.8	37
27	Cells in cells: morphogenetic and metabolic strategies conditioning rice infection by the blast fungus <i>Magnaporthe oryzae</i> . Protoplasma, 2014, 251, 37-47.	2.1	32
28	Two Δ^9 -stearic acid desaturases are required for <i>Aspergillus nidulans</i> growth and development. Fungal Genetics and Biology, 2004, 41, 501-509.	2.1	29
29	The sugar sensor, trehalose-6-phosphate synthase (Tps1), regulates primary and secondary metabolism during infection by the rice blast fungus: Will <i>Magnaporthe oryzae</i> 's sweet tooth become its Achilles heel? Mycology, 2011, 2, 46-53.	4.4	25
30	<i>Magnaporthe oryzae</i> . Trends in Microbiology, 2021, 29, 663-664.	7.7	23
31	Terminating rice innate immunity induction requires a network of antagonistic and redox-responsive E3 ubiquitin ligases targeting a fungal sirtuin. New Phytologist, 2020, 226, 523-540.	7.3	22
32	A Feed-Forward Subnetwork Emerging from Integrated TOR- and cAMP/PKA-Signaling Architecture Reinforces <i>Magnaporthe oryzae</i> Appressorium Morphogenesis. Molecular Plant-Microbe Interactions, 2019, 32, 593-607.	2.6	18
33	Recent advances in understanding of fungal and oomycete effectors. Current Opinion in Plant Biology, 2022, 68, 102228.	7.1	15
34	Does increased nutritional carbon availability in fruit and foliar hosts contribute to modulation of pathogen colonization?. Postharvest Biology and Technology, 2018, 145, 27-32.	6.0	11
35	Metabolic constraints on <i>Magnaporthe</i> biotrophy: loss of de novo asparagine biosynthesis aborts invasive hyphal growth in the first infected rice cell. Microbiology (United Kingdom), 2018, 164, 1541-1546.	1.8	8
36	Redox and rice blast: new tools for dissecting molecular fungal-plant interactions. New Phytologist, 2014, 201, 367-369.	7.3	7

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37	<i>Magnaporthe oryzae</i> nucleoside diphosphate kinase is required for metabolic homeostasis and redox-mediated host innate immunity suppression. <i>Molecular Microbiology</i> , 2020, 114, 789-807.	2.5	7
38	Chromatin Immunoprecipitation (ChIP) Assay for Detecting Direct and Indirect Protein-DNA Interactions in <i>Magnaporthe oryzae</i> . <i>Bio-protocol</i> , 2015, 5, .	0.4	5
39	Two <i>Magnaporthe</i> appressoria-specific (MAS) proteins, MoMas3 and MoMas5, are required for suppressing host innate immunity and promoting biotrophic growth in rice cells. <i>Molecular Plant Pathology</i> , 2022, , .	4.2	4
40	Tandem Affinity Purification (TAP) of Low-Abundance Protein Complexes in Filamentous Fungi Demonstrated Using <i>Magnaporthe oryzae</i> . <i>Methods in Molecular Biology</i> , 2021, 2356, 97-108.	0.9	2
41	Genetic evidence for <i>Magnaporthe oryzae</i> vitamin B3 acquisition from rice cells. <i>Microbiology (United Kingdom)</i> 10.1093/mic/dgaa111	1.8	2
42	Mimicking the surface mechanical properties of rice (<i>Oryza sativa</i>) leaf using PDMS soft lithography. <i>JMST Advances</i> , 2021, 3, 11-17.	1.9	1
43	Plant killers make the cut. <i>Nature Microbiology</i> , 2021, 6, 975-976.	13.3	1
44	Nutritional factors modulating plant and fruit susceptibility to pathogens: BARD workshop, Haifa, Israel, February 25-26, 2018. <i>Phytoparasitica</i> , 2020, 48, 317-333.	1.2	0
45	Specimen Preparation and Observations of Appressorial Cells Under Electron. <i>Methods in Molecular Biology</i> , 2021, 2356, 79-85.	0.9	0