

# Jarrold R Fortwendel

## List of Publications by Year in descending order

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41  
papers

1,785  
citations

304368

22  
h-index

288905

40  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1691  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcriptional Regulation of Chitin Synthases by Calcineurin Controls Paradoxical Growth of <i>Aspergillus fumigatus</i> in Response to Caspofungin. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 1555-1563.	1.4	146
2	Differential Effects of Inhibiting Chitin and 1,3-β-D-Glucan Synthesis in Ras and Calcineurin Mutants of <i>Aspergillus fumigatus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 476-482.	1.4	132
3	A Simple and Universal System for Gene Manipulation in <i>Aspergillus fumigatus</i> : In Vitro-Assembled Cas9-Guide RNA Ribonucleoproteins Coupled with Microhomology Repair Templates. <i>MSphere</i> , 2017, 2, .	1.3	130
4	Heat Shock Protein 90 Is Required for Conidiation and Cell Wall Integrity in <i>Aspergillus fumigatus</i> . <i>Eukaryotic Cell</i> , 2012, 11, 1324-1332.	3.4	122
5	<i>Aspergillus fumigatus</i> rasA and rasB regulate the timing and morphology of asexual development. <i>Fungal Genetics and Biology</i> , 2004, 41, 129-139.	0.9	93
6	Deletion of the Regulatory Subunit of Protein Kinase A in <i>Aspergillus fumigatus</i> Alters Morphology, Sensitivity to Oxidative Damage, and Virulence. <i>Infection and Immunity</i> , 2006, 74, 4865-4874.	1.0	92
7	Mutations in <i>hmg1</i> , Challenging the Paradigm of Clinical Triazole Resistance in <i>Aspergillus fumigatus</i> . <i>MBio</i> , 2019, 10, .	1.8	85
8	Localization and activity of the calcineurin catalytic and regulatory subunit complex at the septum is essential for hyphal elongation and proper septation in <i>Aspergillus fumigatus</i> . <i>Molecular Microbiology</i> , 2011, 82, 1235-1259.	1.2	82
9	A Fungus-Specific Ras Homolog Contributes to the Hyphal Growth and Virulence of <i>Aspergillus fumigatus</i> . <i>Eukaryotic Cell</i> , 2005, 4, 1982-1989.	3.4	79
10	Deletion of the <i>Aspergillus fumigatus</i> Gene Encoding the Ras-Related Protein RhbA Reduces Virulence in a Model of Invasive Pulmonary Aspergillosis. <i>Infection and Immunity</i> , 2003, 71, 2819-2826.	1.0	72
11	The Enzymatic Conversion of Major Algal and Cyanobacterial Carbohydrates to Bioethanol. <i>Frontiers in Energy Research</i> , 2016, 4, .	1.2	70
12	Phosphorylation of Calcineurin at a Novel Serine-Proline Rich Region Orchestrates Hyphal Growth and Virulence in <i>Aspergillus fumigatus</i> . <i>PLoS Pathogens</i> , 2013, 9, e1003564.	2.1	60
13	<i>Aspergillus fumigatus</i> RasA Regulates Asexual Development and Cell Wall Integrity. <i>Eukaryotic Cell</i> , 2008, 7, 1530-1539.	3.4	55
14	Plasma Membrane Localization Is Required for RasA-Mediated Polarized Morphogenesis and Virulence of <i>Aspergillus fumigatus</i> . <i>Eukaryotic Cell</i> , 2012, 11, 966-977.	3.4	54
15	Emerging threat of triazole-resistant <i>Aspergillus fumigatus</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 835-842.	1.3	51
16	Regulation of expression, activity and localization of fungal chitin synthases. <i>Medical Mycology</i> , 2012, 50, 2-17.	0.3	41
17	Calcineurin Localizes to the Hyphal Septum in <i>Aspergillus fumigatus</i> : Implications for Septum Formation and Conidiophore Development. <i>Eukaryotic Cell</i> , 2008, 7, 1606-1610.	3.4	39
18	Mechanisms of triazole resistance in <i>Aspergillus fumigatus</i> . <i>Environmental Microbiology</i> , 2020, 22, 4934-4952.	1.8	36

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19	Whole-genome sequencing reveals highly specific gene targeting by in vitro assembled Cas9-ribonucleoprotein complexes in <i>Aspergillus fumigatus</i> . <i>Fungal Biology and Biotechnology</i> , 2018, 5, 11.	2.5	34
20	Newer combination antifungal therapies for invasive aspergillosis. <i>Medical Mycology</i> , 2011, 49, S77-S81.	0.3	27
21	Orchestration of morphogenesis in filamentous fungi: conserved roles for Ras signaling networks. <i>Fungal Biology Reviews</i> , 2015, 29, 54-62.	1.9	24
22	Control of Ras-Mediated Signaling in <i>Aspergillus fumigatus</i> . <i>Mycopathologia</i> , 2014, 178, 325-330.	1.3	23
23	Characterization of the Efflux Capability and Substrate Specificity of <i>Aspergillus fumigatus</i> PDR5-like ABC Transporters Expressed in <i>Saccharomyces cerevisiae</i> . <i>MBio</i> , 2020, 11, .	1.8	23
24	The chitin synthase genes <i>chsA</i> and <i>chsC</i> are not required for cell wall stress responses in the human pathogen <i>Aspergillus fumigatus</i> . <i>Biochemical and Biophysical Research Communications</i> , 2011, 411, 549-554.	1.0	21
25	Ras-Mediated Signal Transduction and Virulence in Human Pathogenic Fungi. <i>Fungal Genomics &amp; Biology</i> , 2012, 02, 105.	0.4	21
26	The <i>Aspergillus fumigatus</i> farnesyltransferase $\beta$ -subunit, RamA, mediates growth, virulence, and antifungal susceptibility. <i>Virulence</i> , 2017, 8, 1401-1416.	1.8	20
27	Differential localization patterns of septins during growth of the human fungal pathogen <i>Aspergillus fumigatus</i> reveal novel functions. <i>Biochemical and Biophysical Research Communications</i> , 2011, 405, 238-243.	1.0	19
28	Regulatable Ras Activity Is Critical for Proper Establishment and Maintenance of Polarity in <i>Aspergillus fumigatus</i> . <i>Eukaryotic Cell</i> , 2011, 10, 611-615.	3.4	19
29	Exploration of <i>Aspergillus fumigatus</i> Ras pathways for novel antifungal drug targets. <i>Frontiers in Microbiology</i> , 2015, 6, 128.	1.5	18
30	A Fungus-Specific Protein Domain Is Essential for RasA-Mediated Morphogenetic Signaling in <i>Aspergillus fumigatus</i> . <i>MSphere</i> , 2016, 1, .	1.3	14
31	Differential requirements of protein geranylgeranylation for the virulence of human pathogenic fungi. <i>Virulence</i> , 2019, 10, 511-526.	1.8	11
32	Loss of Septation Initiation Network (SIN) kinases blocks tissue invasion and unlocks echinocandin cidal activity against <i>Aspergillus fumigatus</i> . <i>PLoS Pathogens</i> , 2021, 17, e1009806.	2.1	11
33	C-terminus Proteolysis and Palmitoylation Cooperate for Optimal Plasma Membrane Localization of RasA in <i>Aspergillus fumigatus</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 562.	1.5	10
34	Genome-Wide Association for Itraconazole Sensitivity in Non-resistant Clinical Isolates of <i>Aspergillus fumigatus</i> . <i>Frontiers in Fungal Biology</i> , 2021, 1, .	0.9	10
35	Autoantibody-Mediated Pulmonary Alveolar Proteinosis in <i>Rasgrp1</i> -Deficient Mice. <i>Journal of Immunology</i> , 2016, 197, 470-479.	0.4	9
36	SH3-class Ras guanine nucleotide exchange factors are essential for <i>Aspergillus fumigatus</i> invasive growth. <i>Cellular Microbiology</i> , 2019, 21, e13013.	1.1	9

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37	Commonly Used Oncology Drugs Decrease Antifungal Effectiveness against Candida and Aspergillus Species. Antimicrobial Agents and Chemotherapy, 2018, 62, .	1.4	8
38	Analysis of the Contribution of <i>cyp51</i> Genes to Azole Resistance in <i>Aspergillus</i> Section <i>Nigri</i> with the CRISPR-Cas9 Technique. Antimicrobial Agents and Chemotherapy, 2021, 65, .	1.4	6
39	Overexpression of the <i>Aspergillus fumigatus</i> Small GTPase, RsrA, Promotes Polarity Establishment during Germination. Journal of Fungi (Basel, Switzerland), 2020, 6, 285.	1.5	5
40	Differential Support of <i>Aspergillus fumigatus</i> Morphogenesis by Yeast and Human Actins. PLoS ONE, 2015, 10, e0142535.	1.1	2
41	Growth Inhibitory Effect of Cerivastatin Against Yeasts and <i>Aspergillus fumigatus</i> . Open Forum Infectious Diseases, 2015, 2, .	0.4	0