Michelle Momany

List of Publications by Year
in descending order

79 papers	4,767 citations	159358 30 h-index	102304 66 g-index
91 all docs	91 docs citations	91 times ranked	4279 citing authors

#	Article	IF	Citations
1	Sequencing of Aspergillus nidulans and comparative analysis with A. fumigatus and A. oryzae. Nature, 2005, 438, 1105-1115.	13.7	1,250
2	Polarisome Meets Spitzenkoì‘rper: Microscopy, Genetics, and Genomics Converge. Eukaryotic Cell, 2005, 4, 225-229.	3.4	252
3	Analysis of septins across kingdoms reveals orthology and new motifs. BMC Evolutionary Biology, 2007, 7, 103.	3.2	243
4	Polarity in filamentous fungi: moving beyond the yeast paradigm. Fungal Genetics and Biology, 2004, 41, 391-400.	0.9	184
5	Polarity in filamentous fungi: establishment, maintenance and new axes. Current Opinion in Microbiology, 2002, 5, 580-585.	2.3	166
6	Distinct Roles for Dectin-1 and TLR4 in the Pathogenesis of Aspergillus fumigatus Keratitis. PLoS Pathogens, 2010, 6, e1000976.	2.1	159
7	Fungal antioxidant pathways promote survival against neutrophils during infection. Journal of Clinical Investigation, 2012, 122, 2482-2498.	3.9	132
8	Disruption of the glucosylceramide biosynthetic pathway inAspergillus nidulansandAspergillus fumigatusby inhibitors of UDP-Glc:ceramide glucosyltransferase strongly affects spore germination, cell cycle, and hyphal growth. FEBS Letters, 2002, 525, 59-64.	1.3	120
9	Harnessing glycosylation to improve cellulase activity. Current Opinion in Biotechnology, 2012, 23, 338-345.	3.3	107
10	Characterization of Sphingolipids from Mycopathogens:â€‰ Factors Correlating with Expression of 2-Hydroxy Fatty Acyl (E)-Î”3-Unsaturation in Cerebrosides of Paracoccidioides brasiliensis and Aspergillus fumigatus. Biochemistry, 1999, 38, 7294-7306.	1.2	103
11	Landmarks in the early duplication cycles of Aspergillus fumigatus and Aspergillus nidulans: polarity, germ tube emergence and septation. Microbiology (United Kingdom), 2000, 146, 3279-3284.	0.7	100
12	AspergillusnidulansSeptin AspB Plays Pre- and Postmitotic Roles in Septum, Branch, and Conidiophore Development. Molecular Biology of the Cell, 2002, 13, 110-118.	0.9	96
13	Aspergillus nidulans swo Mutants Show Defects in Polarity Establishment, Polarity Maintenance and Hyphal Morphogenesis. Genetics, 1999, 151, 557-567.	1.2	94
14	Aspergillus nidulans RhoA is involved in polar growth, branching, and cell wall synthesis. Fungal Genetics and Biology, 2004, 41, 13-22.	0.9	86
15	Septins AspA and AspC Are Important for Normal Development and Limit the Emergence of New Growth Foci in the Multicellular Fungus Aspergillus nidulans. Eukaryotic Cell, 2010, 9, 155-163.	3.4	77
16	Posttranslational modifications and assembly of septin heteropolymers and higher-order structures. Current Opinion in Microbiology, 2012, 15, 660-668.	2.3	72
17	The first fifty microarray studies in filamentous fungi. Microbiology (United Kingdom), 2007, 153, 7-15.	0.7	70
18	The Septin AspB in Aspergillus nidulans Forms Bars and Filaments and Plays Roles in Growth Emergence and Conidiation. Eukaryotic Cell, 2012, 11, 311-323.	3.4	70

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19	Relationship of actin, microtubules, and crosswall synthesis during septation inAspergillus nidulans. , 1997, 38, 373-384.		66
20	Azole-resistant Aspergillus fumigatus in the environment: Identifying key reservoirs and hotspots of antifungal resistance. PLoS Pathogens, 2021, 17, e1009711.	2.1	66
21	Mapping Woronin body position inAspergillus nidulans. Mycologia, 2002, 94, 260-266.	0.8	61
22	FsFKS1, the 1,3-Î²-Glucan Synthase from the Caspofungin-Resistant Fungus Fusarium solani. Eukaryotic Cell, 2006, 5, 1036-1042.	3.4	61
23	Septin localization across kingdoms: three themes with variations. Current Opinion in Microbiology, 2006, 9, 559-565.	2.3	56
24	Development stage-specific proteomic profiling uncovers small, lineage specific proteins most abundant in the Aspergillus Fumigatus conidial proteome. Proteome Science, 2012, 10, 30.	0.7	56
25	Aspergillus nidulans polarity mutant swoA is complemented by protein O-mannosyltransferase pmtA. Fungal Genetics and Biology, 2002, 37, 263-270.	0.9	49
26	Characterization of the Aspergillus nidulans Septin (asp) Gene Family. Genetics, 2001, 157, 969-977.	1.2	47
27	Mapping Woronin Body Position in Aspergillus nidulans. Mycologia, 2002, 94, 260.	0.8	43
28	Analysis of glycosylinositol phosphorylceramides expressed by the opportunistic mycopathogen Aspergillus fumigatus. Journal of Lipid Research, 2007, 48, 1801-1824.	2.0	40
29	Aspergillus nidulans Protein O -Mannosyltransferases Play Roles in Cell Wall Integrity and Developmental Patterning. Eukaryotic Cell, 2009, 8, 1475-1485.	3.4	39
30	Distinct Septin Heteropolymers Co-Exist during Multicellular Development in the Filamentous Fungus Aspergillus nidulans. PLoS ONE, 2014, 9, e92819.	1.1	34
31	Aspergillus nidulans swoF Encodes an N -Myristoyl Transferase. Eukaryotic Cell, 2002, 1, 241-248.	3.4	33
32	Isolation of cell wall mutants in Aspergillus nidulans by screening for hypersensitivity to Calcofluor White. Mycologia, 2006, 98, 399-409.	0.8	33
33	CopA:GFP localizes to putative Golgi equivalents inAspergillus nidulans. FEMS Microbiology Letters, 2007, 277, 90-97.	0.7	32
34	Identification and complementation of abnormal hyphal branch mutants ahbA1 and ahbB1 in Aspergillus nidulans. Fungal Genetics and Biology, 2004, 41, 998-1006.	0.9	31
35	Septins Focus Cellular Growth for Host Infection by Pathogenic Fungi. Frontiers in Cell and Developmental Biology, 2017, 5, 33.	1.8	31
36	The Aspergillus fumigatus cell wall is organized in domains that are remodelled during polarity establishment. Microbiology (United Kingdom), 2004, 150, 3261-3268.	0.7	30

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37	Aspergillus nidulans Conidiation Genes dewA , fluG , and stuA Are Differentially Regulated in Early Vegetative Growth. Eukaryotic Cell, 2007, 6, 1697-1700.	3.4	30
38	TheAspergillus nidulansSeptin Encoding Gene,aspB,Is Essential for Growth. Fungal Genetics and Biology, 1997, 21, 92-100.	0.9	27
39	Dectin-1-Targeted Antifungal Liposomes Exhibit Enhanced Efficacy. MSphere, 2019, 4, .	1.3	27
40	The Aspergillus nidulans swoC1 Mutant Shows Defects in Growth and Development. Genetics, 2003, 165, 543-554.	1.2	27
41	Identification of three chitin synthase genes in the dimorphic fungal pathogenSporothrix schenckii. Current Microbiology, 1994, 29, 151-156.	1.0	25
42	Mapping Woronin body position in Aspergillus nidulans. Mycologia, 2002, 94, 260-6.	0.8	25
43	Glycosphingolipids of the model fungus Aspergillus nidulans. Journal of Lipid Research, 2003, 44, 2073-2088.	2.0	24
44	Optical sectioning structured illumination microscopy with enhanced sensitivity. Journal of Optics (United Kingdom), 2013, 15, 094004.	1.0	24
45	Evidence for the agricultural origin of resistance to multiple antimicrobials in Aspergillus fumigatus, a fungal pathogen of humans. G3: Genes, Genomes, Genetics, 2022, 12, .	0.8	24
46	Isolation of cell wall mutants inAspergillus nidulansby screening for hypersensitivity to Calcofluor White. Mycologia, 2006, 98, 399-409.	0.8	23
47	Septins From Protists to People. Frontiers in Cell and Developmental Biology, 2021, 9, 824850.	1.8	23
48	Aspergillus terreusaccessory conidia are multinucleated, hyperpolarizing structures that display differential dectin staining and can induce heightened inflammatory responses in a pulmonary model of aspergillosis. Virulence, 2011, 2, 200-207.	1.8	22
49	SwoHp, a Nucleoside Diphosphate Kinase, Is Essential in Aspergillus nidulans. Eukaryotic Cell, 2003, 2, 1169-1177.	3.4	21
50	Analysis of cell wall sugars in the pathogen Aspergillus fumigatus and the saprophyte Aspergillus nidulans. Mycologia, 2000, 92, 1047-1050.	0.8	20
51	Analysis of Cell Wall Sugars in the Pathogen Aspergillus fumigatus and the Saprophyte Aspergillus nidulans. Mycologia, 2000, 92, 1047.	0.8	19
52	Decreased Cell Wall Galactosaminogalactan inAspergillus nidulansMediates Dysregulated Inflammation in the Chronic Granulomatous Disease Host. Journal of Interferon and Cytokine Research, 2016, 36, 488-498.	0.5	18
53	A Septin from the Filamentous Fungus A. nidulans Induces Atypical Pseudohyphae in the Budding Yeast S. cerevisiae. PLoS ONE, 2010, 5, e9858.	1.1	17
54	Chitin synthase-encoding gene(s) of the Zygomycete fungus Phycomyces blakesleeanus. Gene, 1993, 134, 129-134.	1.0	16

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55	Septum formation inAspergillus nidulans. Canadian Journal of Botany, 1995, 73, 396-399.	1.2	15
56	Diversity of opisthokont septin proteins reveals structural constraints and conserved motifs. BMC Evolutionary Biology, 2019, 19, 4.	3.2	15
57	Chitin, chitin synthase and chitin synthase conserved region homologues in Wangiella dermatitidis. , 1993, , 229-242.		15
58	Fungal Cell Cycle: A Unicellular versus Multicellular Comparison. Microbiology Spectrum, 2016, 4, .	1.2	12
59	Sporulation environment drives phenotypic variation in the pathogen Aspergillus fumigatus. G3: Genes, Genomes, Genetics, 2021, 11, .	0.8	11
60	Crowdsourced analysis of fungal growth and branching on microfluidic platforms. PLoS ONE, 2021, 16, e0257823.	1.1	9
61	Evolution and Conserved Domains of the Septins. , 0, , 35-45.		7
62	Aspergillus nidulans Pmts form heterodimers in all pairwise combinations. FEBS Open Bio, 2014, 4, 335-341.	1.0	7
63	Transcript levels of theAspergillus fumigatusCdc42 module, polarisome, and septin genes show little change from dormancy to polarity establishment. Medical Mycology, 2016, 55, myw085.	0.3	6
64	Altered secretion patterns and cell wall organization caused by loss of PodB function in the filamentous fungus Aspergillus nidulans. Scientific Reports, 2018, 8, 11433.	1.6	6
65	Septin mutations and phenotypes in S. cerevisiae. Cytoskeleton, 2019, 76, 33-44.	1.0	6
66	Vaccine-Induced Protection in Two Murine Models of Invasive Pulmonary Aspergillosis. Frontiers in Immunology, 2021, 12, 670578.	2.2	6
67	Internuclear diffusion of histone H1 within cellular compartments of Aspergillus nidulans. PLoS ONE, 2018, 13, e0201828.	1.1	5
68	Rite of passage: a b<scp>ZIP</scp> transcription factor must transit the cell apex to become competent. Molecular Microbiology, 2015, 98, 605-606.	1.2	4
69	Septins coordinate cell wall integrity and lipid metabolism in a sphingolipid-dependent process. Journal of Cell Science, 2022, 135, .	1.2	4
70	Corrigendum to: Disruption of the glucosylceramide biosynthetic pathway inAspergillus nidulansandAspergillus fumigatusby inhibitors of UDP-Glc: ceramide glucosyltransferase strongly affects spore germination, cell cycle, and hyphal growth (FEBS 26342). FEBS Letters, 2002, 526, 151-151.	1.3	2
71	Database whiplash, crowdsourcing, and FungiDB. Fungal Genetics and Biology, 2016, 92, iii.	0.9	2
72	The power of discussion: Support for women at the fungal Gordon Research Conference. Fungal Genetics and Biology, 2018, 121, 65-67.	0.9	2

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73	Ultrastructure of Septa from the Filamentous Fungus Aspergillus Nidulans. Microscopy and Microanalysis, 1998, 4, 1142-1143.	0.2	0
74	Microarrays in Aspergillus Species. Mycology, 2007, , 475-481.	0.5	0
75	Appendix A: Septin and Septin-Like Sequences. , 0, , 343-349.		0
76	A comparison of methods for optical sectioning using structured illumination microscopy. Proceedings of SPIE, 2013, , .	0.8	0
77	In vivo analysis of septin heteropolymer rods and higher-order structures in filamentous fungi. Methods in Cell Biology, 2016, 136, 135-141.	0.5	0
78	Fungal Cell Cycle: A Unicellular versus Multicellular Comparison. , 2017, , 549-570.		0
79	Growth Polarity. , 0, , 143-148.		0