Joseph Heitman

List of Publications by Year
in descending order

598 papers	46,206 citations	996 114 h-index	3647 180 g-index
1036 all docs	1036 docs citations	1036 times ranked	24851 citing authors

#	Article	IF	Citations
1	The Paleozoic Origin of Enzymatic Lignin Decomposition Reconstructed from 31 Fungal Genomes. Science, 2012, 336, 1715-1719.	6.0	1,424
2	Evolution of pathogenicity and sexual reproduction in eight Candida genomes. Nature, 2009, 459, 657-662.	13.7	963
3	A metabolic enzyme for S-nitrosothiol conserved from bacteria to humans. Nature, 2001, 410, 490-494.	13.7	839
4	Signal Transduction Cascades Regulating Fungal Development and Virulence. Microbiology and Molecular Biology Reviews, 2000, 64, 746-785.	2.9	815
5	The Genome of the Basidiomycetous Yeast and Human Pathogen Cryptococcus neoformans. Science, 2005, 307, 1321-1324.	6.0	664
6	A nomenclature for restriction enzymes, DNA methyltransferases, homing endonucleases and their genes. Nucleic Acids Research, 2003, 31, 1805-1812.	6.5	634
7	The cyclophilins. Genome Biology, 2005, 6, 226.	13.9	526
8	Same-sex mating and the origin of the Vancouver Island Cryptococcus gattii outbreak. Nature, 2005, 437, 1360-1364.	13.7	472
9	Galleria mellonella as a Model System To Study Cryptococcus neoformans Pathogenesis. Infection and Immunity, 2005, 73, 3842-3850.	1.0	421
10	Sexual reproduction between partners of the same mating type in Cryptococcus neoformans. Nature, 2005, 434, 1017-1021.	13.7	381
11	Sexual Cycle of Cryptococcus neoformans var. grubii and Virulence of Congenic a and Î± Isolates. Infection and Immunity, 2003, 71, 4831-4841.	1.0	369
12	The Biology of theCryptococcus neoformansSpecies Complex. Annual Review of Microbiology, 2006, 60, 69-105.	2.9	368
13	Cyclic AMP-Dependent Protein Kinase Regulates Pseudohyphal Differentiation in <i>Saccharomyces cerevisiae</i>. Molecular and Cellular Biology, 1999, 19, 4874-4887.	1.1	337
14	Analysis of the Genome and Transcriptome of Cryptococcus neoformans var. grubii Reveals Complex RNA Expression and Microevolution Leading to Virulence Attenuation. PLoS Genetics, 2014, 10, e1004261.	1.5	336
15	Sensing the environment: lessons from fungi. Nature Reviews Microbiology, 2007, 5, 57-69.	13.6	331
16	The Evolution of Sex: a Perspective from the Fungal Kingdom. Microbiology and Molecular Biology Reviews, 2010, 74, 298-340.	2.9	326
17	The TOR Kinases Link Nutrient Sensing to Cell Growth. Journal of Biological Chemistry, 2001, 276, 9583-9586.	1.6	318
18	Cyclic AMP-Dependent Protein Kinase Controls Virulence of the Fungal Pathogen Cryptococcus neoformans. Molecular and Cellular Biology, 2001, 21, 3179-3191.	1.1	310

#	Article	IF	Citations
19	Deciphering the Model Pathogenic Fungus Cryptococcus Neoformans. Nature Reviews Microbiology, 2005, 3, 753-764.	13.6	308
20	Emergence and Pathogenicity of Highly Virulent Cryptococcus gattii Genotypes in the Northwest United States. PLoS Pathogens, 2010, 6, e1000850.	2.1	303
21	Calcineurin is essential for survival during membrane stress in Candida albicans. EMBO Journal, 2002, 21, 546-559.	3.5	302
22	Nonlinear partial differential equations and applications: Killing of Caenorhabditis elegans by Cryptococcus neoformans as a model of yeast pathogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 15675-15680.	3.3	300
23	Spores as Infectious Propagules of<i>Cryptococcus neoformans</i>. Infection and Immunity, 2009, 77, 4345-4355.	1.0	299
24	Cryptococcal Cell Morphology Affects Host Cell Interactions and Pathogenicity. PLoS Pathogens, 2010, 6, e1000953.	2.1	291
25	A PCR-based strategy to generate integrative targeting alleles with large regions of homology. Microbiology (United Kingdom), 2002, 148, 2607-2615.	0.7	290
26	Gene disruption with PCR products in Saccharomyces cerevisiae. Gene, 1995, 158, 113-117.	1.0	285
27	Harnessing calcineurin as a novel anti-infective agent against invasive fungal infections. Nature Reviews Microbiology, 2007, 5, 418-430.	13.6	281
28	Recapitulation of the Sexual Cycle of the Primary Fungal PathogenCryptococcus neoformansvar.gattii: Implications for an Outbreak on Vancouver Island, Canada. Eukaryotic Cell, 2003, 2, 1036-1045.	3.4	280
29	Threats Posed by the Fungal Kingdom to Humans, Wildlife, and Agriculture. MBio, 2020, 11, .	1.8	275
30	Light Controls Growth and Development via a Conserved Pathway in the Fungal Kingdom. PLoS Biology, 2005, 3, e95.	2.6	272
31	Conserved cAMP signaling cascades regulate fungal development and virulence. FEMS Microbiology Reviews, 2001, 25, 349-364.	3.9	270
32	Hsp90 Orchestrates Temperature-Dependent Candida albicans Morphogenesis via Ras1-PKA Signaling. Current Biology, 2009, 19, 621-629.	1.8	266
33	Calcineurin Controls Growth, Morphology, and Pathogenicity in Aspergillus fumigatus. Eukaryotic Cell, 2006, 5, 1091-1103.	3.4	262
34	Mating-Type Locus of Cryptococcus neoformans : a Step in the Evolution of Sex Chromosomes. Eukaryotic Cell, 2002, 1, 704-718.	3.4	258
35	Specialization of the HOG Pathway and Its Impact on Differentiation and Virulence ofCryptococcus neoformans. Molecular Biology of the Cell, 2005, 16, 2285-2300.	0.9	258
36	Sex in Fungi. Annual Review of Genetics, 2011, 45, 405-430.	3.2	257

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37	Microsporidia Evolved from Ancestral Sexual Fungi. Current Biology, 2008, 18, 1675-1679.	1.8	256
38	Ergosterol Biosynthesis Inhibitors Become Fungicidal when Combined with Calcineurin Inhibitors against Candida albicans , Candida glabrata , and Candida krusei. Antimicrobial Agents and Chemotherapy, 2003, 47, 956-964.	1.4	246
39	Spread of<i>Cryptococcus gattii</i>into Pacific Northwest Region of the United States. Emerging Infectious Diseases, 2009, 15, 1185-1191.	2.0	239
40	Genetics ofCryptococcus neoformans. Annual Review of Genetics, 2002, 36, 557-615.	3.2	235
41	The G Protein-Coupled Receptor Gpr1 Is a Nutrient Sensor That Regulates Pseudohyphal Differentiation in Saccharomyces cerevisiae. Genetics, 2000, 154, 609-622.	1.2	224
42	Novel gene functions required for melanization of the human pathogenCryptococcus neoformans. Molecular Microbiology, 2005, 57, 1381-1396.	1.2	221
43	Convergent Evolution of Chromosomal Sex-Determining Regions in the Animal and Fungal Kingdoms. PLoS Biology, 2004, 2, e384.	2.6	218
44	RAS1 regulates filamentation, mating and growth at high temperature of Cryptococcus neoformans. Molecular Microbiology, 2000, 36, 352-365.	1.2	211
45	Comparative Genome Analysis of <i>Trichophyton rubrum</i> and Related Dermatophytes Reveals Candidate Genes Involved in Infection. MBio, 2012, 3, e00259-12.	1.8	211
46	Calcineurin. Cell Biochemistry and Biophysics, 1999, 30, 115-151.	0.9	205
47	A Unique Fungal Two-Component System Regulates Stress Responses, Drug Sensitivity, Sexual Development, and Virulence ofCryptococcus neoformans. Molecular Biology of the Cell, 2006, 17, 3122-3135.	0.9	205
48	Synergistic Effect of Calcineurin Inhibitors and Fluconazole against <i>Candida albicans</i> Biofilms. Antimicrobial Agents and Chemotherapy, 2008, 52, 1127-1132.	1.4	205
49	Rapamycin Induces the G₀ Program of Transcriptional Repression in Yeast by Interfering with the TOR Signaling Pathway. Molecular and Cellular Biology, 1998, 18, 4463-4470.	1.1	202
50	Serotype AD Strains of Cryptococcus neoformans Are Diploid or Aneuploid and Are Heterozygous at the Mating-Type Locus. Infection and Immunity, 2001, 69, 115-122.	1.0	202
51	TOR Mutations Confer Rapamycin Resistance by Preventing Interaction with FKBP12-Rapamycin. Journal of Biological Chemistry, 1995, 270, 27531-27537.	1.6	201
52	Fungi in the Marine Environment: Open Questions and Unsolved Problems. MBio, 2019, 10, .	1.8	200
53	Genus-Wide Comparative Genomics of Malassezia Delineates Its Phylogeny, Physiology, and Niche Adaptation on Human Skin. PLoS Genetics, 2015, 11, e1005614.	1.5	198
54	Characterization of Alcohol-induced Filamentous Growth in<i>Saccharomyces cerevisiae</i>. Molecular Biology of the Cell, 2000, 11, 183-199.	0.9	196

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55	Adenylyl Cyclase Functions Downstream of the GÎ± Protein Gpa1 and Controls Mating and Pathogenicity of Cryptococcus neoformans. Eukaryotic Cell, 2002, 1, 75-84.	3.4	196
56	The Cryptococcus neoformans MAP kinase Mpk1 regulates cell integrity in response to antifungal drugs and loss of calcineurin function. Molecular Microbiology, 2003, 48, 1377-1387.	1.2	190
57	Carbonic Anhydrase and CO2 Sensing during Cryptococcus neoformans Growth, Differentiation, and Virulence. Current Biology, 2005, 15, 2013-2020.	1.8	188
58	Cryptococcus neoformans Gene Expression during Murine Macrophage Infection. Eukaryotic Cell, 2005, 4, 1420-1433.	3.4	184
59	Molecular Evidence That the Range of the Vancouver Island Outbreak of<i>Cryptococcus gattii</i>Infection Has Expanded into the Pacific Northwest in the United States. Journal of Infectious Diseases, 2009, 199, 1081-1086.	1.9	184
60	Comparative and functional genomics provide insights into the pathogenicity of dermatophytic fungi. Genome Biology, 2011, 12, R7.	13.9	181
61	Cryptococcus neoformans Virulence Gene Discovery through Insertional Mutagenesis. Eukaryotic Cell, 2004, 3, 420-429.	3.4	180
62	Calcineurin Is Essential for Candida albicans Survival in Serum and Virulence. Eukaryotic Cell, 2003, 2, 422-430.	3.4	177
63	Gene Disruption by Biolistic Transformation in Serotype D Strains of Cryptococcus neoformans. Fungal Genetics and Biology, 2000, 29, 38-48.	0.9	175
64	The Human Fungal Pathogen Cryptococcus Can Complete Its Sexual Cycle during a Pathogenic Association with Plants. Cell Host and Microbe, 2007, 1, 263-273.	5.1	175
65	Origins of Eukaryotic Sexual Reproduction. Cold Spring Harbor Perspectives in Biology, 2014, 6, a016154-a016154.	2.3	175
66	Expansion of Signal Transduction Pathways in Fungi by Extensive Genome Duplication. Current Biology, 2016, 26, 1577-1584.	1.8	175
67	Calcineurin regulatory subunit is essential for virulence and mediates interactions with FKBP12-FK506 in Cryptococcus neoformans. Molecular Microbiology, 2001, 39, 835-849.	1.2	174
68	Enzymes that Counteract Nitrosative Stress Promote Fungal Virulence. Current Biology, 2003, 13, 1963-1968.	1.8	174
69	Protein Kinase A Operates a Molecular Switch That Governs Yeast Pseudohyphal Differentiation. Molecular and Cellular Biology, 2002, 22, 3981-3993.	1.1	172
70	Sexual Reproduction and the Evolution of Microbial Pathogens. Current Biology, 2006, 16, R711-R725.	1.8	169
71	Cryptococcus neoformans Copper Detoxification Machinery Is Critical for Fungal Virulence. Cell Host and Microbe, 2013, 13, 265-276.	5.1	167
72	Magnificent seven: roles of G protein-coupled receptors in extracellular sensing in fungi. FEMS Microbiology Reviews, 2008, 32, 1010-1032.	3.9	165

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73	The G-Protein Î² Subunit GPB1 Is Required for Mating and Haploid Fruiting in <i>Cryptococcus neoformans</i>. Molecular and Cellular Biology, 2000, 20, 352-362.	1.1	164
74	Calcineurin Target CrzA Regulates Conidial Germination, Hyphal Growth, and Pathogenesis of <i>Aspergillus fumigatus</i>. Eukaryotic Cell, 2008, 7, 1085-1097.	3.4	163
75	Pulmonary Cryptococcosis in Solid Organ Transplant Recipients: Clinical Relevance of Serum Cryptococcal Antigen. Clinical Infectious Diseases, 2008, 46, e12-e18.	2.9	163
76	Cryptococcus neoformans Mates on Pigeon Guano: Implications for the Realized Ecological Niche and Globalization. Eukaryotic Cell, 2007, 6, 949-959.	3.4	161
77	Rapamycin Antifungal Action Is Mediated via Conserved Complexes with FKBP12 and TOR Kinase Homologs in <i>Cryptococcus neoformans</i>. Molecular and Cellular Biology, 1999, 19, 4101-4112.	1.1	159
78	Synergistic Antifungal Activities of Bafilomycin A 1 , Fluconazole, and the Pneumocandin MK-0991/Caspofungin Acetate (L-743,873) with Calcineurin Inhibitors FK506 and L-685,818 against Cryptococcus neoformans. Antimicrobial Agents and Chemotherapy, 2000, 44, 739-746.	1.4	159
79	Transcriptional Network of Multiple Capsule and Melanin Genes Governed by the Cryptococcus neoformans Cyclic AMP Cascade. Eukaryotic Cell, 2005, 4, 190-201.	3.4	159
80	Malassezia Fungi Are Specialized to Live on Skin and Associated with Dandruff, Eczema, and Other Skin Diseases. PLoS Pathogens, 2012, 8, e1002701.	2.1	159
81	Identification and characterization of a highly conserved calcineurin binding protein, CBP1/calcipressin, inCryptococcus neoformans. EMBO Journal, 2000, 19, 3618-3629.	3.5	158
82	Global Analysis of the Evolution and Mechanism of Echinocandin Resistance in Candida glabrata. PLoS Pathogens, 2012, 8, e1002718.	2.1	158
83	Renaming the DSCR1 / Adapt78 gene family as RCAN : regulators of calcineurin. FASEB Journal, 2007, 21, 3023-3028.	0.2	157
84	Drug-Resistant Epimutants Exhibit Organ-Specific Stability and Induction during Murine Infections Caused by the Human Fungal Pathogen Mucor circinelloides. MBio, 2019, 10, .	1.8	156
85	Coping with stress: calmodulin and calcineurin in model and pathogenic fungi. Biochemical and Biophysical Research Communications, 2003, 311, 1151-1157.	1.0	155
86	Systematic functional profiling of transcription factor networks in Cryptococcus neoformans. Nature Communications, 2015, 6, 6757.	5.8	155
87	Identification of the sex genes in an early diverged fungus. Nature, 2008, 451, 193-196.	13.7	154
88	Signal transduction cascades regulating pseudohyphal differentiation of Saccharomyces cerevisiae. Current Opinion in Microbiology, 2000, 3, 567-572.	2.3	153
89	The TOR Signal Transduction Cascade Controls Cellular Differentiation in Response to Nutrients. Molecular Biology of the Cell, 2001, 12, 4103-4113.	0.9	153
90	Evidence of Sexual Recombination among Cryptococcus neoformans Serotype A Isolates in Sub-Saharan Africa. Eukaryotic Cell, 2003, 2, 1162-1168.	3.4	153

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91	The Ess1 prolyl isomerase is linked to chromatin remodeling complexes and the general transcription machinery. EMBO Journal, 2000, 19, 3727-3738.	3.5	147
92	Disruption of Ergosterol Biosynthesis Confers Resistance to Amphotericin B in Candida lusitaniae. Antimicrobial Agents and Chemotherapy, 2003, 47, 2717-2724.	1.4	147
93	Antifungal drug resistance evoked via RNAi-dependent epimutations. Nature, 2014, 513, 555-558.	13.7	147
94	Unisexual and Heterosexual Meiotic Reproduction Generate Aneuploidy and Phenotypic Diversity De Novo in the Yeast Cryptococcus neoformans. PLoS Biology, 2013, 11, e1001653.	2.6	145
95	G Protein-coupled Receptor Gpr4 Senses Amino Acids and Activates the cAMP-PKA Pathway inCryptococcus neoformans. Molecular Biology of the Cell, 2006, 17, 667-679.	0.9	144
96	The GÎ± Protein Gpa2 Controls Yeast Differentiation by Interacting with Kelch Repeat Proteins that Mimic GÎ² Subunits. Molecular Cell, 2002, 10, 163-173.	4.5	143
97	Evolution of Eukaryotic Microbial Pathogens via Covert Sexual Reproduction. Cell Host and Microbe, 2010, 8, 86-99.	5.1	142
98	Calcineurin: a central controller of signalling in eukaryotes. EMBO Reports, 2004, 5, 343-348.	2.0	140
99	Cryptococcus gattii: an emerging fungal pathogen infecting humans and animals. Microbes and Infection, 2011, 13, 895-907.	1.0	138
100	The STE12Î± Homolog Is Required for Haploid Filamentation But Largely Dispensable for Mating and Virulence in Cryptococcus neoformans. Genetics, 1999, 153, 1601-1615.	1.2	138
101	Regulators of Pseudohyphal Differentiation in Saccharomyces cerevisiae Identified Through Multicopy Suppressor Analysis in Ammonium Permease Mutant Strains. Genetics, 1998, 150, 1443-1457.	1.2	137
102	Rapamycin and Less Immunosuppressive Analogs Are Toxic to Candida albicans and Cryptococcus neoformans via FKBP12-Dependent Inhibition of TOR. Antimicrobial Agents and Chemotherapy, 2001, 45, 3162-3170.	1.4	135
103	Evolution of fungal sex chromosomes. Molecular Microbiology, 2004, 51, 299-306.	1.2	134
104	Sex-induced silencing defends the genome of <i>Cryptococcus neoformans</i> via RNAi. Genes and Development, 2010, 24, 2566-2582.	2.7	134
105	Calcineurin Plays Key Roles in the Dimorphic Transition and Virulence of the Human Pathogenic Zygomycete Mucor circinelloides. PLoS Pathogens, 2013, 9, e1003625.	2.1	134
106	Population genomics and the evolution of virulence in the fungal pathogen <i>Cryptococcus neoformans</i>. Genome Research, 2017, 27, 1207-1219.	2.4	134
107	Cryptococcus neoformans Î± Strains Preferentially Disseminate to the Central Nervous System during Coinfection. Infection and Immunity, 2005, 73, 4922-4933.	1.0	133
108	Signalling pathways in the pathogenesis of<i>Cryptococcus</i>. Cellular Microbiology, 2009, 11, 370-380.	1.1	133

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109	Evolution of fungal sexual reproduction. Mycologia, 2013, 105, 1-27.	0.8	133
110	Mechanistic Plasticity of Sexual Reproduction and Meiosis in the Candida Pathogenic Species Complex. Current Biology, 2009, 19, 891-899.	1.8	130
111	Calcineurin in fungal virulence and drug resistance: Prospects for harnessing targeted inhibition of calcineurin for an antifungal therapeutic approach. Virulence, 2017, 8, 186-197.	1.8	130
112	Immunosuppressive and Nonimmunosuppressive Cyclosporine Analogs Are Toxic to the Opportunistic Fungal Pathogen <i>Cryptococcus neoformans</i> via Cyclophilin-Dependent Inhibition of Calcineurin. Antimicrobial Agents and Chemotherapy, 2000, 44, 143-149.	1.4	128
113	Sex-Specific Homeodomain Proteins Sxi1Î± and Sxi2 a Coordinately Regulate Sexual Development in Cryptococcus neoformans. Eukaryotic Cell, 2005, 4, 526-535.	3.4	128
114	Sporangiospore Size Dimorphism Is Linked to Virulence of Mucor circinelloides. PLoS Pathogens, 2011, 7, e1002086.	2.1	128
115	The Protein Kinase Tor1 Regulates Adhesin Gene Expression in Candida albicans. PLoS Pathogens, 2009, 5, e1000294.	2.1	127
116	Challenge of Drosophila melanogaster with Cryptococcus neoformans and Role of the Innate Immune Response. Eukaryotic Cell, 2004, 3, 413-419.	3.4	126
117	Î±ADÎ± Hybrids of Cryptococcus neoformans: Evidence of Same-Sex Mating in Nature and Hybrid Fitness. PLoS Genetics, 2007, 3, e186.	1.5	126
118	A MAP kinase cascade composed of cell type specific and non-specific elements controls mating and differentiation of the fungal pathogen Cryptococcus neoformans. Molecular Microbiology, 2003, 49, 469-485.	1.2	125
119	The Phycomyces madA gene encodes a blue-light photoreceptor for phototropism and other light responses. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4546-4551.	3.3	124
120	New facets of antifungal therapy. Virulence, 2017, 8, 222-236.	1.8	123
121	Good fungi gone bad: The corruption of calcineurin. BioEssays, 2002, 24, 894-903.	1.2	122
122	The Calcineurin Target, Crz1, Functions in Azole Tolerance but Is Not Required for Virulence of Candida albicans. Infection and Immunity, 2004, 72, 7330-7333.	1.0	122
123	Fungal Diversity Revisited: 2.2 to 3.8 Million Species. , 0, , 79-95.		122
124	Cell identity and sexual development in Cryptococcus neoformans are controlled by the mating-type-specific homeodomain protein Sxi1alpha. Genes and Development, 2002, 16, 3046-3060.	2.7	121
125	In Vitro Interactions between Antifungals and Immunosuppressants against Aspergillus fumigatus. Antimicrobial Agents and Chemotherapy, 2004, 48, 1664-1669.	1.4	120
126	Remodeling of Global Transcription Patterns of <i>Cryptococcus neoformans</i> Genes Mediated by the Stress-Activated HOG Signaling Pathways. Eukaryotic Cell, 2009, 8, 1197-1217.	3.4	120

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127	Sok2 Regulates Yeast Pseudohyphal Differentiation via a Transcription Factor Cascade That Regulates Cell-Cell Adhesion. Molecular and Cellular Biology, 2000, 20, 8364-8372.	1.1	119
128	Mating-Type-Specific and Nonspecific PAK Kinases Play Shared and Divergent Roles in Cryptococcus neoformans. Eukaryotic Cell, 2002, 1, 257-272.	3.4	119
129	Virulence Attributes and Hyphal Growth of C. neoformans Are Quantitative Traits and the MATÎ± Allele Enhances Filamentation. PLoS Genetics, 2006, 2, e187.	1.5	119
130	Genomic Insights into the Atopic Eczema-Associated Skin Commensal Yeast <i>Malassezia sympodialis</i>. MBio, 2013, 4, e00572-12.	1.8	118
131	Clonality and Recombination in Genetically Differentiated Subgroups of Cryptococcus gattii. Eukaryotic Cell, 2005, 4, 1403-1409.	3.4	117
132	Sex and Virulence of Human Pathogenic Fungi. Advances in Genetics, 2007, 57, 143-173.	0.8	117
133	Diploid Strains of the Pathogenic Basidiomycete Cryptococcus neoformans Are Thermally Dimorphic. Fungal Genetics and Biology, 2000, 29, 153-163.	0.9	113
134	Calcineurin, Mpk1 and Hog1 MAPK pathways independently control fludioxonil antifungal sensitivity in Cryptococcus neoformans. Microbiology (United Kingdom), 2006, 152, 591-604.	0.7	112
135	Systematic functional analysis of kinases in the fungal pathogen Cryptococcus neoformans. Nature Communications, 2016, 7, 12766.	5.8	112
136	RNAi is a critical determinant of centromere evolution in closely related fungi. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3108-3113.	3.3	112
137	Diploids in the Cryptococcus neoformans Serotype A Population Homozygous for the Î± Mating Type Originate via Unisexual Mating. PLoS Pathogens, 2009, 5, e1000283.	2.1	111
138	Transcription Factors Mat2 and Znf2 Operate Cellular Circuits Orchestrating Opposite- and Same-Sex Mating in Cryptococcus neoformans. PLoS Genetics, 2010, 6, e1000953.	1.5	111
139	Two cyclophilin A homologs with shared and distinct functions important for growth and virulence of <i>Cryptococcus neoformans</i>. EMBO Reports, 2001, 2, 511-518.	2.0	109
140	Sphingolipids Signal Heat Stress-induced Ubiquitin-dependent Proteolysis. Journal of Biological Chemistry, 2000, 275, 17229-17232.	1.6	108
141	Unique Evolution of the UPR Pathway with a Novel bZIP Transcription Factor, Hxl1, for Controlling Pathogenicity of Cryptococcus neoformans. PLoS Pathogens, 2011, 7, e1002177.	2.1	106
142	Analysis of a Food-Borne Fungal Pathogen Outbreak: Virulence and Genome of a <i>Mucor circinelloides</i> Isolate from Yogurt. MBio, 2014, 5, e01390-14.	1.8	106
143	Calcium-Calmodulin-Calcineurin Signaling: A Globally Conserved Virulence Cascade in Eukaryotic Microbial Pathogens. Cell Host and Microbe, 2019, 26, 453-462.	5.1	106
144	Adenylyl Cyclase-Associated Protein Aca1 Regulates Virulence and Differentiation of Cryptococcus neoformans via the Cyclic AMP-Protein Kinase A Cascade. Eukaryotic Cell, 2004, 3, 1476-1491.	3.4	105

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145	Tracing Genetic Exchange and Biogeography of <i>Cryptococcus neoformans</i> var. <i>grubii</i> at the Global Population Level. Genetics, 2017, 207, 327-346.	1.2	105
146	Molecular mechanisms of immunosuppression by cyclosporine, FK506, and rapamycin. Current Opinion in Nephrology and Hypertension, 1995, 4, 472-477.	1.0	102
147	Cyclophilin A and Ess1 interact with and regulate silencing by the Sin3-Rpd3 histone deacetylase. EMBO Journal, 2000, 19, 3739-3749.	3.5	102
148	Identification of Cryptococcus neoformans Temperature-Regulated Genes with a Genomic-DNA Microarray. Eukaryotic Cell, 2004, 3, 1249-1260.	3.4	102
149	Characterizing the role of RNA silencing components in Cryptococcus neoformans. Fungal Genetics and Biology, 2010, 47, 1070-1080.	0.9	102
150	Genome Evolution and Innovation across the Four Major Lineages of Cryptococcus gattii. MBio, 2015, 6, e00868-15.	1.8	101
151	Antifungal Activities of Antineoplastic Agents: <i>Saccharomyces cerevisiae</i> as a Model System To Study Drug Action. Clinical Microbiology Reviews, 1999, 12, 583-611.	5.7	97
152	Calcineurin Is Required for Candida albicans To Survive Calcium Stress in Serum. Infection and Immunity, 2005, 73, 5767-5774.	1.0	97
153	Chromosomal sex-determining regions in animals, plants and fungi. Current Opinion in Genetics and Development, 2005, 15, 645-651.	1.5	97
154	Many Globally Isolated AD Hybrid Strains of Cryptococcus neoformans Originated in Africa. PLoS Pathogens, 2007, 3, e114.	2.1	97
155	Calcineurin Controls Drug Tolerance, Hyphal Growth, and Virulence in Candida dubliniensis. Eukaryotic Cell, 2011, 10, 803-819.	3.4	97
156	Evolution of sexual reproduction: A view from the fungal kingdom supports an evolutionary epoch with sex before sexes. Fungal Biology Reviews, 2015, 29, 108-117.	1.9	97
157	Signal Transduction Pathways Regulating Differentiation and Pathogenicity ofCryptococcus neoformans. Fungal Genetics and Biology, 1998, 25, 1-14.	0.9	96
158	Calcineurin Inhibition or Mutation Enhances Cell Wall Inhibitors against Aspergillus fumigatus. Antimicrobial Agents and Chemotherapy, 2007, 51, 2979-2981.	1.4	96
159	Ras1 and Ras2 contribute shared and unique roles in physiology and virulence of Cryptococcus neoformans The GenBank accession number for the RAS2 sequence of C. neoformans H99 is AF294349.. Microbiology (United Kingdom), 2002, 148, 191-201.	0.7	96
160	Phylogeny and Phenotypic Characterization of Pathogenic<i>Cryptococcus</i>Species and Closely Related Saprobic Taxa in the Tremellales. Eukaryotic Cell, 2009, 8, 353-361.	3.4	95
161	A Diverse Population of Cryptococcus gattii Molecular Type VGIII in Southern Californian HIV/AIDS Patients. PLoS Pathogens, 2011, 7, e1002205.	2.1	95
162	RNAi function, diversity, and loss in the fungal kingdom. Chromosome Research, 2013, 21, 561-572.	1.0	95

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163	Pheromones Stimulate Mating and Differentiation via Paracrine and Autocrine Signaling in Cryptococcus neoformans. Eukaryotic Cell, 2002, 1, 366-377.	3.4	94
164	Chromosomal Translocation and Segmental Duplication in Cryptococcus neoformans. Eukaryotic Cell, 2005, 4, 401-406.	3.4	94
165	Cyclic AMP-Dependent Protein Kinase Catalytic Subunits Have Divergent Roles in Virulence Factor Production in Two Varieties of the Fungal Pathogen Cryptococcus neoformans. Eukaryotic Cell, 2004, 3, 14-26.	3.4	92
166	Signal-transduction cascades as targets for therapeutic intervention by natural products. Trends in Biotechnology, 1998, 16, 427-433.	4.9	91
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