Joseph Heitman

List of Publications by Year
in descending order

598	46,206	996 114	3647 180
papers	citations	h-index	g-index

1036	1036	1036	24851
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Clonal evolution in serially passaged Cryptococcus neoformans Ã— deneoformans hybrids reveals a heterogenous landscape of genomic change. Genetics, 2022, 220, .	1.2	3
2	Joseph Heitman. Current Biology, 2022, 32, R106-R109.	1.8	0
3	Exploring Space via Astromycology: A Report on the CIFAR Programs Earth 4D and Fungal Kingdom Inaugural Joint Meeting. Astrobiology, 2022, , .	1.5	0
4	Epistatic genetic interactions govern morphogenesis during sexual reproduction and infection in a global human fungal pathogen. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	6
5	Identification of Mucormycosis by Fluorescence In Situ Hybridization Targeting Ribosomal RNA in Tissue Samples. Journal of Fungi (Basel, Switzerland), 2022, 8, 289.	1.5	2
6	Multiple Hybridization Events Punctuate the Evolutionary Trajectory ofMalassezia furfur. MBio, 2022, 13, e0385321.	1.8	9
7	On Fruits and Fungi: A Risk of Antifungal Usage in Food Storage and Distribution in Driving Drug Resistance in Candida auris. MBio, 2022, 13, e0073922.	1.8	7
8	Structure-Guided Synthesis of FK506 and FK520 Analogs with Increased Selectivity ExhibitIn VivoTherapeutic Efficacy against Cryptococcus. MBio, 2022, 13, .	1.8	8
9	Pleiotropy and epistasis within and between signaling pathways defines the genetic architecture of fungal virulence. PLoS Genetics, 2021, 17, e1009313.	1.5	14
10	Showcasing Fungal Genetics & Genomics with the Genetics Society of America. Genetics, 2021, 217, .	1.2	0
11	Multiple Pathways to Homothallism in Closely Related Yeast Lineages in the Basidiomycota. MBio, 2021, 12, .	1.8	5
12	Showcasing Fungal Genetics & Genomics with the Genetics Society of America. G3: Genes, Genomes, Genetics, 2021, 11, .	0.8	0
13	Molecular Tools for the Yeast Papiliotrema terrestris LS28 and Identification of Yap1 as a Transcription Factor Involved in Biocontrol Activity. Applied and Environmental Microbiology, 2021, 87, .	1.4	10
14	The evolving species concepts used for yeasts: from phenotypes and genomes to speciation networks. Fungal Diversity, 2021, 109, 27-55.	4.7	37
15	Editorial overview of Pearls Microbiome Series: E pluribus unum. PLoS Pathogens, 2021, 17, e1009912.	2.1	0
16	On a Special Collection in MMBR on Sex in Fungi: Molecular Mechanisms and Evolutionary Implications. Microbiology and Molecular Biology Reviews, 2021, 85, e0009421.	2.9	1
17	Epigenetic dynamics of centromeres and neocentromeres in Cryptococcus deuterogattii. PLoS Genetics, 2021, 17, e1009743.	1.5	8
18	Uniparental nuclear inheritance following bisexual mating in fungi. ELife, 2021, 10, .	2.8	15

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19	Factors enforcing the species boundary between the human pathogens Cryptococcus neoformans and Cryptococcus deneoformans. PLoS Genetics, 2021, 17, e1008871.	1.5	13
20	Application of an optimized annotation pipeline to the Cryptococcus deuterogattii genome reveals dynamic primary metabolic gene clusters and genomic impact of RNAi loss. G3: Genes, Genomes, Genetics, 2021, 11, .	0.8	16
21	Leveraging Fungal and Human Calcineurin-Inhibitor Structures, Biophysical Data, and Dynamics To Design Selective and Nonimmunosuppressive FK506 Analogs. MBio, 2021, 12, e0300021.	1.8	14
22	Dynamic genome plasticity during unisexual reproduction in the human fungal pathogen Cryptococcus deneoformans. PLoS Genetics, 2021, 17, e1009935.	1.5	9
23	5-fluorocytosine resistance is associated with hypermutation and alterations in capsule biosynthesis inÂCryptococcus. Nature Communications, 2020, 11, 127.	5.8	73
24	The Pheromone and Pheromone Receptor Mating-Type Locus Is Involved in Controlling Uniparental Mitochondrial Inheritance in Cryptococcus. Genetics, 2020, 214, 703-717.	1.2	19
25	Fungal pathogens. Current Biology, 2020, 30, R1163-R1169.	1.8	26
26	Approaches for Genetic Discoveries in the Skin Commensal and Pathogenic Malassezia Yeasts. Frontiers in Cellular and Infection Microbiology, 2020, 10, 393.	1.8	14
27	Expression of a Malassezia Codon Optimized mCherry Fluorescent Protein in a Bicistronic Vector. Frontiers in Cellular and Infection Microbiology, 2020, 10, 367.	1.8	5
28	The Untapped Australasian Diversity of Astaxanthin-Producing Yeasts with Biotechnological Potentialâ€"Phaffia australis sp. nov. and Phaffia tasmanica sp. nov.. Microorganisms, 2020, 8, 1651.	1.6	9
29	A Novel Mycovirus Evokes Transcriptional Rewiring in the Fungus Malassezia and Stimulates Beta Interferon Production in Macrophages. MBio, 2020, 11, .	1.8	30
30	Genome-wide functional analysis of phosphatases in the pathogenic fungus Cryptococcus neoformans. Nature Communications, 2020, 11, 4212.	5.8	22
31	Threats Posed by the Fungal Kingdom to Humans, Wildlife, and Agriculture. MBio, 2020, 11, .	1.8	275
32	HGT in the human and skin commensal Malassezia : A bacterially derived flavohemoglobin is required for NO resistance and host interaction. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15884-15894.	3.3	37
33	The Rise of Fungi: A Report on the CIFAR Program Fungal Kingdom: Threats & Opportunities Inaugural Meeting. G3: Genes, Genomes, Genetics, 2020, 10, 1837-1842.	0.8	4
34	Long transposon-rich centromeres in an oomycete reveal divergence of centromere features in Stramenopila-Alveolata-Rhizaria lineages. PLoS Genetics, 2020, 16, e1008646.	1.5	29
35	FKBP12 dimerization mutations effect FK506 binding and differentially alter calcineurin inhibition in the human pathogen Aspergillus fumigatus. Biochemical and Biophysical Research Communications, 2020, 526, 48-54.	1.0	5
36	Centromere scission drives chromosome shuffling and reproductive isolation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7917-7928.	3.3	47

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37	The necessity for molecular classification of basidiomycetous biocontrol yeasts. BioControl, 2020, 65, 489-500.	0.9	12
38	Mating-Type-Specific Ribosomal Proteins Control Aspects of Sexual Reproduction in Cryptococcus neoformans. Genetics, 2020, 214, 635-649.	1.2	6
39	Tornadic Shear Stress Induces a Transient, Calcineurin-Dependent Hypervirulent Phenotype in Mucorales Molds. MBio, 2020, 11, .	1.8	10
40	A Novel Resistance Pathway for Calcineurin Inhibitors in the Human-Pathogenic Mucorales Mucor circinelloides. MBio, 2020, 11, .	1.8	29
41	Transposon mobilization in the human fungal pathogen Cryptococcus is mutagenic during infection and promotes drug resistance in vitro. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9973-9980.	3.3	32
42	Microbe Profile: Cryptococcus neoformans species complex. Microbiology (United Kingdom), 2020, 166, 797-799.	0.7	12
43	Advances in understanding the evolution of fungal genome architecture. F1000Research, 2020, 9, 776.	0.8	31
44	Loss of centromere function drives karyotype evolution in closely related Malassezia species. ELife, 2020, 9, .	2.8	45
45	Centromere deletion in Cryptococcus deuterogattii leads to neocentromere formation and chromosome fusions. ELife, 2020, 9, .	2.8	22
46	Mating-System Evolution: All Roads Lead to Selfing. Current Biology, 2019, 29, R743-R746.	1.8	7
47	Epigenetic mechanisms of drug resistance in fungi. Fungal Genetics and Biology, 2019, 132, 103253.	0.9	36
48	Advancing Functional Genetics ThroughAgrobacterium-Mediated Insertional Mutagenesis and CRISPR/Cas9 in the Commensal and Pathogenic YeastMalassezia. Genetics, 2019, 212, 1163-1179.	1.2	19
49	Calcium-Calmodulin-Calcineurin Signaling: A Globally Conserved Virulence Cascade in Eukaryotic Microbial Pathogens. Cell Host and Microbe, 2019, 26, 453-462.	5.1	106
50	Early Diverging Fungus Mucor circinelloides Lacks Centromeric Histone CENP-A and Displays a Mosaic of Point and Regional Centromeres. Current Biology, 2019, 29, 3791-3802.e6.	1.8	77
51	Genetic and genomic evolution of sexual reproduction: echoes from LECA to the fungal kingdom. Current Opinion in Genetics and Development, 2019, 58-59, 70-75.	1.5	15
52	Convergent evolution of linked mating-type loci in basidiomycete fungi. PLoS Genetics, 2019, 15, e1008365.	1.5	31
53	E Pluribus Unum: The Fungal Kingdom as a Rosetta Stone for Biology and Medicine. Genetics, 2019, 213, 1-7.	1.2	1
54	Unisexual reproduction promotes competition for mating partners in the global human fungal pathogen Cryptococcus deneoformans. PLoS Genetics, 2019, 15, e1008394.	1.5	8

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55	The Evolution of Sexual Reproduction and the Mating-Type Locus: Links to Pathogenesis ofCryptococcusHuman Pathogenic Fungi. Annual Review of Genetics, 2019, 53, 417-444.	3.2	30
56	Harnessing calcineurin-FK506-FKBP12 crystal structures from invasive fungal pathogens to develop antifungal agents. Nature Communications, 2019, 10, 4275.	5.8	80
57	She Loves Me, She Loves Me Not: On the Dualistic Asexual/Sexual Nature of Dermatophyte Fungi. Mycopathologia, 2019, 185, 87-101.	1.3	4
58	Cryptococcus neoformans Mating and Genetic Crosses. Current Protocols in Microbiology, 2019, 53, e75.	6.5	34
59	Genetic and Genomic Analyses Reveal Boundaries between Species Closely Related to Cryptococcus Pathogens. MBio, 2019, 10, .	1.8	37
60	Gastrointestinal microbiota alteration induced by Mucor circinelloides in a murine model. Journal of Microbiology, 2019, 57, 509-520.	1.3	18
61	Fungi in the Marine Environment: Open Questions and Unsolved Problems. MBio, 2019, 10, .	1.8	200
62	Nutrient and Stress Sensing in Pathogenic Yeasts. Frontiers in Microbiology, 2019, 10, 442.	1.5	41
63	Broad antifungal resistance mediated by RNAi-dependent epimutation in the basal human fungal pathogen Mucor circinelloides. PLoS Genetics, 2019, 15, e1007957.	1.5	46
64	Mucor circinelloides Thrives inside the Phagosome through an Atf-Mediated Germination Pathway. MBio, 2019, 10, .	1.8	28
65	Cryptococcus deuterogattii VGIIa Infection Associated with Travel to the Pacific Northwest Outbreak Region in an Anti-Granulocyte-Macrophage Colony-Stimulating Factor Autoantibody-Positive Patient in the United States. MBio, 2019, 10, .	1.8	28
66	Pbp1-Interacting Protein Mkt1 Regulates Virulence and Sexual Reproduction in Cryptococcus neoformans. Frontiers in Cellular and Infection Microbiology, 2019, 9, 355.	1.8	7
67	Cryptococcus neoformans Recovered From Olive Trees (Olea europaea) in Turkey Reveal Allopatry With African and South American Lineages. Frontiers in Cellular and Infection Microbiology, 2019, 9, 384.	1.8	12
68	Mating type (MAT) locus and possible sexuality of the opportunistic pathogen Exophiala dermatitidis. Fungal Genetics and Biology, 2019, 124, 29-38.	0.9	4
69	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
70	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
71	Whole-Genome Analysis Illustrates Global Clonal Population Structure of the Ubiquitous Dermatophyte Pathogen Trichophyton rubrum. Genetics, 2018, 208, 1657-1669.	1.2	48
72	Phylogenetic and Phylogenomic Definition of Rhizopus Species. G3: Genes, Genomes, Genetics, 2018, 8, 2007-2018.	0.8	47

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73	A High-Resolution Map of Meiotic Recombination in Cryptococcus deneoformans Demonstrates Decreased Recombination in Unisexual Reproduction. Genetics, 2018, 209, 567-578.	1.2	34
74	Had1 Is Required for Cell Wall Integrity and Fungal Virulence in Cryptococcus neoformans. G3: Genes, Genomes, Genetics, 2018, 8, 643-652.	0.8	16
75	Dissecting the Roles of the Calcineurin Pathway in Unisexual Reproduction, Stress Responses, and Virulence in Cryptococcus deneoformans. Genetics, 2018, 208, 639-653.	1.2	30
76	In VitroandIn VivoAssessment of FK506 Analogs as Novel Antifungal Drug Candidates. Antimicrobial Agents and Chemotherapy, 2018, 62, .	1.4	44
77	Evolutionarily Conserved and Divergent Roles of Unfolded Protein Response (UPR) in the Pathogenic Cryptococcus Species Complex. Scientific Reports, 2018, 8, 8132.	1.6	11
78	The Skin Commensal Yeast Malassezia globosa Thwarts Bacterial Biofilms to Benefit the Host. Journal of Investigative Dermatology, 2018, 138, 1026-1029.	0.3	19
79	Outbreak of Invasive Wound Mucormycosis in a Burn Unit Due to Multiple Strains of Mucor circinelloides f. circinelloides Resolved by Whole-Genome Sequencing. MBio, 2018, 9, .	1.8	54
80	An Atlas of Genetic Variation Linking Pathogen-Induced Cellular Traits to Human Disease. Cell Host and Microbe, 2018, 24, 308-323.e6.	5.1	48
81	Pearls collections: What we can learn about infectious disease and cancer. PLoS Pathogens, 2018, 14, e1006915.	2.1	12
82	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
83	Construction of a Recyclable Genetic Marker and Serial Gene Deletions in the Human Pathogenic Mucorales Mucor circinelloides. G3: Genes, Genomes, Genetics, 2017, 7, 2047-2054.	0.8	22
84	Population genomics and the evolution of virulence in the fungal pathogen Cryptococcus neoformans. Genome Research, 2017, 27, 1207-1219.	2.4	134
85	Eukaryotic Sexual Reproduction Evoked â€œwith a Little Help from My Friendsâ€• Cell, 2017, 170, 1059-1061.	13.5	2
86	Dynamics of parasitophorous vacuoles formed by the microsporidian pathogen Encephalitozoon cuniculi. Fungal Genetics and Biology, 2017, 107, 20-23.	0.9	3
87	FKBP12-Dependent Inhibition of Calcineurin Mediates Immunosuppressive Antifungal Drug Action in Malassezia. MBio, 2017, 8, .	1.8	14
88	Tracing Genetic Exchange and Biogeography of Cryptococcus neoformans var. grubii at the Global Population Level. Genetics, 2017, 207, 327-346.	1.2	105
89	New facets of antifungal therapy. Virulence, 2017, 8, 222-236.	1.8	123
90	Sexual Reproduction in Dermatophytes. Mycopathologia, 2017, 182, 45-55.	1.3	27

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91	Rewiring of Signaling Networks Modulating Thermotolerance in the Human Pathogen Cryptococcus neoformans. Genetics, 2017, 205, 201-219.	1.2	35
92	Plant Pathogenic Fungi. , 2017, , 701-726.		22
93	What Defines the â€œKingdomâ€•Fungi?. , 2017, , 57-77.		6
94	Fungal Sex: The Mucoromycota. , 2017, , 177-191.		3
95	Host-Microsporidia Interactions in Caenorhabditis elegans, a Model Nematode Host. , 2017, , 975-980.		2
96	Fungal Cell Cycle: A Unicellular versus Multicellular Comparison. , 2017, , 549-570.		0
97	The Fungal Tree of Life: From Molecular Systematics to Genome-Scale Phylogenies. , 2017, , 1-34.		25
98	The Complexity of Fungal Vision. , 2017, , 441-461.		0
99	The Geomycology of Elemental Cycling and Transformations in the Environment. , 2017, , 369-386.		1
100	Six Key Traits of Fungi: Their Evolutionary Origins and Genetic Bases. , 2017, , 35-56.		10
101	Making Time: Conservation of Biological Clocks from Fungi to Animals. , 2017, , 515-534.		8
102	Fungal Ligninolytic Enzymes and Their Applications. , 2017, , 1049-1061.		2
103	Key Ecological Roles for Zoosporic True Fungi in Aquatic Habitats. , 2017, , 399-416.		1
104	Nutrient Sensing at the Plasma Membrane of Fungal Cells. , 2017, , 417-439.		4
105	Nematode-Trapping Fungi. , 2017, , 963-974.		4
106	Bacterial Endosymbionts: Master Modulators of Fungal Phenotypes. , 2017, , 981-1004.		6
107	Molecular Mechanisms Regulating Cell Fusion and Heterokaryon Formation in Filamentous Fungi. , 2017, , 215-229.		9
108	Fungi that Infect Humans. , 2017, , 811-843.		8

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109	The Mycobiome: Impact on Health and Disease States. , 2017, , 845-854.		3
110	Fungal Biofilms: Inside Out. , 2017, , 873-886.		6
111	Fungal Enzymes and Yeasts for Conversion of Plant Biomass to Bioenergy and High-Value Products. , 2017, , 1027-1048.		3
112	Thigmo Responses: The Fungal Sense of Touch. , 2017, , 487-507.		0
113	Amyloid Prions in Fungi. , 2017, , 673-685.		0
114	Fungal Recognition and Host Defense Mechanisms. , 2017, , 887-902.		1
115	Plants promote mating and dispersal of the human pathogenic fungus Cryptococcus. PLoS ONE, 2017, 12, e0171695.	1.1	41
116	MTL genotypes, phenotypic switching, and susceptibility profiles of Candida parapsilosis species group compared to Lodderomyces elongisporus. PLoS ONE, 2017, 12, e0182653.	1.1	8
117	Proteogenomics produces comprehensive and highly accurate protein-coding gene annotation in a complete genome assembly ofMalassezia sympodialis. Nucleic Acids Research, 2017, 45, gkx006.	6.5	47
118	A non-canonical RNA degradation pathway suppresses RNAi-dependent epimutations in the human fungal pathogen Mucor circinelloides. PLoS Genetics, 2017, 13, e1006686.	1.5	50
119	Fungal genome and mating system transitions facilitated by chromosomal translocations involving intercentromeric recombination. PLoS Biology, 2017, 15, e2002527.	2.6	67
120	Elucidation of the calcineurin-Crz1 stress response transcriptional network in the human fungal pathogen Cryptococcus neoformans. PLoS Genetics, 2017, 13, e1006667.	1.5	90
121	PRM1 and KAR5 function in cell-cell fusion and karyogamy to drive distinct bisexual and unisexual cycles in the Cryptococcus pathogenic species complex. PLoS Genetics, 2017, 13, e1007113.	1.5	43
122	Genetic and epigenetic engines of diversity in pathogenic microbes. PLoS Pathogens, 2017, 13, e1006468.	2.1	7
123	Natural mismatch repair mutations mediate phenotypic diversity and drug resistance in Cryptococcus deuterogattii. ELife, 2017, 6, .	2.8	74
124	Gene Network Polymorphism Illuminates Loss and Retention of Novel RNAi Silencing Components in the Cryptococcus Pathogenic Species Complex. PLoS Genetics, 2016, 12, e1005868.	1.5	43
125	Structures of Pathogenic Fungal FKBP12s Reveal Possible Self-Catalysis Function. MBio, 2016, 7, e00492-16.	1.8	29
126	Gene Function Analysis in the Ubiquitous Human Commensal and Pathogen Malassezia Genus. MBio, 2016, 7, .	1.8	44

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127	Expansion of Signal Transduction Pathways in Fungi by Extensive Genome Duplication. Current Biology, 2016, 26, 1577-1584.	1.8	175
128	Dual action antifungal small molecule modulates multidrug efflux and TOR signaling. Nature Chemical Biology, 2016, 12, 867-875.	3.9	79
129	Cancer-associated isocitrate dehydrogenase mutations induce mitochondrial DNA instability. Human Molecular Genetics, 2016, 25, 3524-3538.	1.4	8
130	Systematic functional analysis of kinases in the fungal pathogen Cryptococcus neoformans. Nature Communications, 2016, 7, 12766.	5.8	112
131	Metal Chelation as a Powerful Strategy to Probe Cellular Circuitry Governing Fungal Drug Resistance and Morphogenesis. PLoS Genetics, 2016, 12, e1006350.	1.5	39
132	Calcineurin Targets Involved in Stress Survival and Fungal Virulence. PLoS Pathogens, 2016, 12, e1005873.	2.1	77
133	An Antifungal Combination Matrix Identifies a Rich Pool of Adjuvant Molecules that Enhance Drug Activity against Diverse Fungal Pathogens. Cell Reports, 2015, 13, 1481-1492.	2.9	68
134	Cryptococcal Osteomyelitis in an Adolescent Survivor of T-Cell Acute Lymphoblastic Leukemia. Pediatric Infectious Disease Journal, 2015, 34, 662-666.	1.1	7
135	Calcineurin orchestrates dimorphic transitions, antifungal drug responses and hostâ€“pathogen interactions of the pathogenic mucoralean fungus <scp>M</scp>ucor circinelloides. Molecular Microbiology, 2015, 97, 844-865.	1.2	74
136	Genus-Wide Comparative Genomics of Malassezia Delineates Its Phylogeny, Physiology, and Niche Adaptation on Human Skin. PLoS Genetics, 2015, 11, e1005614.	1.5	198
137	Network-assisted genetic dissection of pathogenicity and drug resistance in the opportunistic human pathogenic fungus Cryptococcus neoformans. Scientific Reports, 2015, 5, 8767.	1.6	31
138	From two to one: Unipolar sexual reproduction. Fungal Biology Reviews, 2015, 29, 118-125.	1.9	17
139	Unisexual versus bisexual mating in Cryptococcus neoformans: Consequences and biological impacts. Fungal Genetics and Biology, 2015, 78, 65-75.	0.9	43
140	A Case of Cryptococcus gattii in Western Florida. Infectious Diseases in Clinical Practice, 2015, 23, 105-108.	0.1	1
141	Cryptococcosis Serotypes Impact Outcome and Provide Evidence of Cryptococcus neoformans Speciation. MBio, 2015, 6, e00311.	1.8	67
142	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
143	Systematic functional profiling of transcription factor networks in Cryptococcus neoformans. Nature Communications, 2015, 6, 6757.	5.8	155
144	Genomics and Transcriptomics Analyses of the Oil-Accumulating Basidiomycete Yeast Trichosporon oleaginosus : Insights into Substrate Utilization and Alternative Evolutionary Trajectories of Fungal Mating Systems. MBio, 2015, 6, e00918.	1.8	63

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145	Genome Evolution and Innovation across the Four Major Lineages of Cryptococcus gattii. MBio, 2015, 6, e00868-15.	1.8	101
146	On the Discovery of TOR As the Target of Rapamycin. PLoS Pathogens, 2015, 11, e1005245.	2.1	12
147	Cryptococcus neoformans Hyperfilamentous Strain Is Hypervirulent in a Murine Model of Cryptococcal Meningoencephalitis. PLoS ONE, 2014, 9, e104432.	1.1	17
148	Phylogenetic Analysis of Phenotypically Characterized Cryptococcus laurentii Isolates Reveals High Frequency of Cryptic Species. PLoS ONE, 2014, 9, e108633.	1.1	22
149	Analysis of a Food-Borne Fungal Pathogen Outbreak: Virulence and Genome of a Mucor circinelloides Isolate from Yogurt. MBio, 2014, 5, e01390-14.	1.8	106
150	Cryptococcus gattii VGIII Isolates Causing Infections in HIV/AIDS Patients in Southern California: Identification of the Local Environmental Source as Arboreal. PLoS Pathogens, 2014, 10, e1004285.	2.1	85
151	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
152	Unisexual Reproduction Drives Meiotic Recombination and Phenotypic and Karyotypic Plasticity in Cryptococcus neoformans. PLoS Genetics, 2014, 10, e1004849.	1.5	71
153	Estrogen Receptor Antagonists Are Anti-Cryptococcal Agents That Directly Bind EF Hand Proteins and Synergize with Fluconazole In Vivo. MBio, 2014, 5, e00765-13.	1.8	91
154	Highly Recombinant VGII Cryptococcus gattii Population Develops Clonal Outbreak Clusters through both Sexual Macroevolution and Asexual Microevolution. MBio, 2014, 5, e01494-14.	1.8	81
155	Sexual Reproduction of Human Fungal Pathogens. Cold Spring Harbor Perspectives in Medicine, 2014, 4, a019281-a019281.	2.9	45
156	Unisexual Reproduction Reverses Mullerâ€™s Ratchet. Genetics, 2014, 198, 1059-1069.	1.2	25
157	Unseen sex in ancient virgin fungi. New Phytologist, 2014, 201, 3-5.	3.5	6
158	Origins of Eukaryotic Sexual Reproduction. Cold Spring Harbor Perspectives in Biology, 2014, 6, a016154-a016154.	2.3	175
159	Sex in the Mucoralean Fungi. Mycoses, 2014, 57, 18-24.	1.8	21
160	Antifungal drug resistance evoked via RNAi-dependent epimutations. Nature, 2014, 513, 555-558.	13.7	147
161	Endolysosomal Membrane Trafficking Complexes Drive Nutrient-Dependent TORC1 Signaling to Control Cell Growth in Saccharomyces cerevisiae. Genetics, 2014, 196, 1077-1089.	1.2	28
162	Distinct and redundant roles of exonucleases in Cryptococcus neoformans: Implications for virulence and mating. Fungal Genetics and Biology, 2014, 73, 20-28.	0.9	10

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163	Unisexual Reproduction. Advances in Genetics, 2014, 85, 255-305.	0.8	31
164	Calcineurin Controls Hyphal Growth, Virulence, and Drug Tolerance of Candida tropicalis. Eukaryotic Cell, 2014, 13, 844-854.	3.4	52
165	Cloning the Mating-Type Genes of Schizophyllum commune: A Historical Perspective. , 2014, , 265-282.		2
166	Molecular Typing of the Cryptococcus neoformans/Cryptococcus gattii Species Complex. , 2014, , 327-357.		18
167	Cryptococcus neoformans: Latency and Disease. , 2014, , 429-439.		12
168	How Fungi Sense Sugars, Alcohols, and Amino Acids. , 2014, , 467-479.		0
169	Cryptococcus neoformans: Budding Yeast and Dimorphic Filamentous Fungus. , 2014, , 717-735.		0
170	Unisexual Reproduction of Cryptococcus gattii. PLoS ONE, 2014, 9, e111089.	1.1	20
171	Polyporales genomes reveal the genetic architecture underlying tetrapolar and bipolar mating systems. Mycologia, 2013, 105, 1374-1390.	0.8	42
172	RNAi function, diversity, and loss in the fungal kingdom. Chromosome Research, 2013, 21, 561-572.	1.0	95
173	Identification of the Mating-Type (MAT) Locus That Controls Sexual Reproduction of Blastomyces dermatitidis. Eukaryotic Cell, 2013, 12, 109-117.	3.4	38
174	Synthesis and antifungal activities of miltefosine analogs. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 4828-4831.	1.0	20
175	Evolution of Sex: Mating Rituals of a Pre-Metazoan. Current Biology, 2013, 23, R1006-R1008.	1.8	7
176	Cryptococcus neoformans Copper Detoxification Machinery Is Critical for Fungal Virulence. Cell Host and Microbe, 2013, 13, 265-276.	5.1	167
177	Evolution of fungal sexual reproduction. Mycologia, 2013, 105, 1-27.	0.8	133
178	Genomic Insights into the Atopic Eczema-Associated Skin Commensal Yeast Malassezia sympodialis. MBio, 2013, 4, e00572-12.	1.8	118
179	Ordered Kinetochore Assembly in the Human-Pathogenic Basidiomycetous Yeast Cryptococcus neoformans. MBio, 2013, 4, e00614-13.	1.8	42
180	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

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