R Blake Billmyre

List of Publications by Year
in descending order

27 papers	1,958 citations	304743 22 h-index	526287 27 g-index
37 all docs	37 docs citations	37 times ranked	2530 citing authors

#	Article	IF	Citations
1	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.	3.5	336
2	Photosynthetic microbial fuel cells with positive light response. Biotechnology and Bioengineering, 2009, 104, 939-946.	3.3	174
3	Importance of Resolving Fungal Nomenclature: the Case of Multiple Pathogenic Species in the Cryptococcus Genus. MSphere, 2017, 2, .	2.9	124
4	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.	7.1	112
5	Analysis of a Food-Borne Fungal Pathogen Outbreak: Virulence and Genome of a Mucor circinelloides Isolate from Yogurt. MBio, 2014, 5, e01390-14.	4.1	106
6	RNAi function, diversity, and loss in the fungal kingdom. Chromosome Research, 2013, 21, 561-572.	2.2	95
7	Elucidation of the calcineurin-Crz1 stress response transcriptional network in the human fungal pathogen Cryptococcus neoformans. PLoS Genetics, 2017, 13, e1006667.	3.5	90
8	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.	4.7	85
9	Highly Recombinant VGII Cryptococcus gattii Population Develops Clonal Outbreak Clusters through both Sexual Macroevolution and Asexual Microevolution. MBio, 2014, 5, e01494-14.	4.1	81
10	Natural mismatch repair mutations mediate phenotypic diversity and drug resistance in Cryptococcus deuterogattii. ELife, 2017, 6, .	6.0	74
11	5-fluorocytosine resistance is associated with hypermutation and alterations in capsule biosynthesis inÂCryptococcus. Nature Communications, 2020, 11, 127.	12.8	73
12	Unisexual Reproduction Drives Meiotic Recombination and Phenotypic and Karyotypic Plasticity in Cryptococcus neoformans. PLoS Genetics, 2014, 10, e1004849.	3.5	71
13	Identification of small RNAs in extracellular vesicles from the commensal yeast Malassezia sympodialis. Scientific Reports, 2017, 7, 39742.	3.3	69
14	Fungal genome and mating system transitions facilitated by chromosomal translocations involving intercentromeric recombination. PLoS Biology, 2017, 15, e2002527.	5.6	67
15	Whole-Genome Analysis Illustrates Global Clonal Population Structure of the Ubiquitous Dermatophyte Pathogen Trichophyton rubrum. Genetics, 2018, 208, 1657-1669.	2.9	48
16	Proteogenomics produces comprehensive and highly accurate protein-coding gene annotation in a complete genome assembly ofMalassezia sympodialis. Nucleic Acids Research, 2017, 45, gkx006.	14.5	47
17	Broad antifungal resistance mediated by RNAi-dependent epimutation in the basal human fungal pathogen Mucor circinelloides. PLoS Genetics, 2019, 15, e1007957.	3.5	46
18	Gene Network Polymorphism Illuminates Loss and Retention of Novel RNAi Silencing Components in the Cryptococcus Pathogenic Species Complex. PLoS Genetics, 2016, 12, e1005868.	3.5	43

#	Article	IF	Citations
19	Cryptococcus gattii, No Longer an Accidental Pathogen?. Current Fungal Infection Reports, 2012, 6, 245-256.	2.6	39
20	Generators of Phenotypic Diversity in the Evolution of Pathogenic Microorganisms. PLoS Pathogens, 2013, 9, e1003181.	4.7	37
21	A High-Resolution Map of Meiotic Recombination in Cryptococcus deneoformans Demonstrates Decreased Recombination in Unisexual Reproduction. Genetics, 2018, 209, 567-578.	2.9	34
22	Roles for Stress Response and Cell Wall Biosynthesis Pathways in Caspofungin Tolerance in Cryptococcus neoformans. Genetics, 2019, 213, 213-227.	2.9	29
23	A Novel Resistance Pathway for Calcineurin Inhibitors in the Human-Pathogenic Mucorales Mucor circinelloides. MBio, 2020, 11, .	4.1	29
24	Gastrointestinal microbiota alteration induced by Mucor circinelloides in a murine model. Journal of Microbiology, 2019, 57, 509-520.	2.8	18
25	Diverse mating phenotypes impact the spread of wtf meiotic drivers in Schizosaccharomyces pombe. ELife, 2021, 10, .	6.0	11
26	Cancer-associated isocitrate dehydrogenase mutations induce mitochondrial DNA instability. Human Molecular Genetics, 2016, 25, 3524-3538.	2.9	8
27	Genetic and epigenetic engines of diversity in pathogenic microbes. PLoS Pathogens, 2017, 13, e1006468.	4.7	7