Kwang-Woo Jung

List of Publications by Year
in descending order

30 papers	975 citations	471509 17 h-index	526287 27 g-index
31 all docs	31 docs citations	31 times ranked	1115 citing authors

#	Article	IF	Citations
1	Systematic functional profiling of transcription factor networks in Cryptococcus neoformans. Nature Communications, 2015, 6, 6757.	12.8	155
2	Systematic functional analysis of kinases in the fungal pathogen Cryptococcus neoformans. Nature Communications, 2016, 7, 12766.	12.8	112
3	Unique Evolution of the UPR Pathway with a Novel bZIP Transcription Factor, Hxl1, for Controlling Pathogenicity of Cryptococcus neoformans. PLoS Pathogens, 2011, 7, e1002177.	4.7	106
4	Stress Signaling Pathways for the Pathogenicity of Cryptococcus. Eukaryotic Cell, 2013, 12, 1564-1577.	3.4	58
5	Ste50 adaptor protein governs sexual differentiation of Cryptococcus neoformans via the pheromone-response MAPK signaling pathway. Fungal Genetics and Biology, 2011, 48, 154-165.	2.1	48
6	Unraveling Fungal Radiation Resistance Regulatory Networks through the Genome-Wide Transcriptome and Genetic Analyses of Cryptococcus neoformans. MBio, 2016, 7, .	4.1	46
7	Microbial radiation-resistance mechanisms. Journal of Microbiology, 2017, 55, 499-507.	2.8	41
8	Fungal kinases and transcription factors regulating brain infection in Cryptococcus neoformans. Nature Communications, 2020, 11, 1521.	12.8	41
9	Two cation transporters Ena1 and Nha1 cooperatively modulate ion homeostasis, antifungal drug resistance, and virulence of Cryptococcus neoformans via the HOG pathway. Fungal Genetics and Biology, 2012, 49, 332-345.	2.1	39
10	Rewiring of Signaling Networks Modulating Thermotolerance in the Human Pathogen Cryptococcus neoformans. Genetics, 2017, 205, 201-219.	2.9	35
11	Network-assisted genetic dissection of pathogenicity and drug resistance in the opportunistic human pathogenic fungus Cryptococcus neoformans. Scientific Reports, 2015, 5, 8767.	3.3	31
12	Sulphiredoxin plays peroxiredoxinâ€dependent and â€independent roles via the <scp>HOG</scp> signalling pathway in <scp>C</scp>ryptococcus neoformans and contributes to fungal virulence. Molecular Microbiology, 2013, 90, 630-648.	2.5	26
13	Distinct and Redundant Roles of Protein Tyrosine Phosphatases Ptp1 and Ptp2 in Governing the Differentiation and Pathogenicity of Cryptococcus neoformans. Eukaryotic Cell, 2014, 13, 796-812.	3.4	26
14	Essential Roles of the Kar2/BiP Molecular Chaperone Downstream of the UPR Pathway in Cryptococcus neoformans. PLoS ONE, 2013, 8, e58956.	2.5	25
15	The unfolded protein response (UPR) pathway inCryptococcus. Virulence, 2014, 5, 341-350.	4.4	23
16	Rad53- and Chk1-Dependent DNA Damage Response Pathways Cooperatively Promote Fungal Pathogenesis and Modulate Antifungal Drug Susceptibility. MBio, 2019, 10, .	4.1	22
17	Genome-wide functional analysis of phosphatases in the pathogenic fungus Cryptococcus neoformans. Nature Communications, 2020, 11, 4212.	12.8	22
18	The Stress-Activated Signaling (SAS) Pathways of a Human Fungal Pathogen,Cryptococcus neoformans. Mycobiology, 2009, 37, 161.	1.7	19

#	Article	IF	Citations
19	Genetic Manipulation of Cryptococcus neoformans. Current Protocols in Microbiology, 2018, 50, e59.	6.5	19
20	Unique roles of the unfolded protein response pathway in fungal development and differentiation. Scientific Reports, 2016, 6, 33413.	3.3	17
21	Investigation of Antifungal Mechanisms of Thymol in the Human Fungal Pathogen, Cryptococcus neoformans. Molecules, 2021, 26, 3476.	3.8	12
22	Evolutionarily Conserved and Divergent Roles of Unfolded Protein Response (UPR) in the Pathogenic Cryptococcus Species Complex. Scientific Reports, 2018, 8, 8132.	3.3	11
23	Molecular Characterization of Adenylyl Cyclase Complex Proteins Using Versatile Protein-Tagging Plasmid Systems in Cryptococcus neoformans. Journal of Microbiology and Biotechnology, 2017, 27, 357-364.	2.1	11
24	Novel functions of peroxiredoxin Q from Deinococcus radiodurans R1 as a peroxidase and a molecular chaperone. FEBS Letters, 2019, 593, 219-229.	2.8	10
25	The water channel protein aquaporin 1 regulates cellular metabolism and competitive fitness in a global fungal pathogen <scp>C</scp>ryptococcus neoformans. Environmental Microbiology Reports, 2017, 9, 268-278.	2.4	8
26	The novel microtubule-associated CAP-glycine protein Cgp1 governs growth, differentiation, and virulence of Cryptococcus neoformans. Virulence, 2018, 9, 566-584.	4.4	8
27	Functional Roles of Homologous Recombination and Non-Homologous End Joining in DNA Damage Response and Microevolution in Cryptococcus neoformans. Journal of Fungi (Basel, Switzerland), 2021, 7, 566.	3.5	2
28	A Signature-Tagged Mutagenesis (STM)-based murine-infectivity assay for Cryptococcus neoformans. Journal of Microbiology, 2020, 58, 823-831.	2.8	1
29	Essential Roles of Ribonucleotide Reductases under DNA Damage and Replication Stresses in Cryptococcus neoformans. Microbiology Spectrum, 0, , .	3.0	1
30	Functional Characterization of cAMP-Regulated Gene,CAR1, inCryptococcus neoformans. Mycobiology, 2010, 38, 26.	1.7	0