Carlos PÃ©rez-Arques

List of Publications by Year
in descending order

21 papers	564 citations	623734 14 h-index	752698 20 g-index
23 all docs	23 docs citations	23 times ranked	452 citing authors

#	Article	IF	Citations
1	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.	3.9	77
2	RNAi-Based Functional Genomics Identifies New Virulence Determinants in Mucormycosis. PLoS Pathogens, 2017, 13, e1006150.	4.7	53
3	Components of a new gene family of ferroxidases involved in virulence are functionally specialized in fungal dimorphism. Scientific Reports, 2018, 8, 7660.	3.3	47
4	Understanding <i>Mucor circinelloides</i> pathogenesis by comparative genomics and phenotypical studies. Virulence, 2018, 9, 707-720.	4.4	44
5	Genes, Pathways, and Mechanisms Involved in the Virulence of Mucorales. Genes, 2020, 11, 317.	2.4	42
6	Control of morphology and virulence by ADP-ribosylation factors (Arf) in Mucor circinelloides. Current Genetics, 2018, 64, 853-869.	1.7	41
7	Mucorales Species and Macrophages. Journal of Fungi (Basel, Switzerland), 2020, 6, 94.	3.5	39
8	<i>Mucor circinelloides</i>: Growth, Maintenance, and Genetic Manipulation. Current Protocols in Microbiology, 2018, 49, e53.	6.5	38
9	Molecular Tools for Carotenogenesis Analysis in the Mucoral Mucor circinelloides. Methods in Molecular Biology, 2018, 1852, 221-237.	0.9	28
10	<i>Mucor circinelloides</i> Thrives inside the Phagosome through an Atf-Mediated Germination Pathway. MBio, 2019, 10, .	4.1	28
11	Comparative genomics applied to Mucor species with different lifestyles. BMC Genomics, 2020, 21, 135.	2.8	23
12	A non-canonical RNAi pathway controls virulence and genome stability in Mucorales. PLoS Genetics, 2020, 16, e1008611.	3.5	21
13	Role of Arf-like proteins (Arl1 and Arl2) of Mucor circinelloides in virulence and antifungal susceptibility. Fungal Genetics and Biology, 2019, 129, 40-51.	2.1	18
14	Stable and reproducible homologous recombination enables CRISPR-based engineering in the fungus Rhizopus microsporus. Cell Reports Methods, 2021, 1, 100124.	2.9	17
15	The heterotrimeric Gâ€protein beta subunit Gpb1 controls hyphal growth under low oxygen conditions through the protein kinase A pathway and is essential for virulence in the fungus<i>Mucor circinelloides</i>. Cellular Microbiology, 2020, 22, e13236.	2.1	15
16	Heterotrimeric G-alpha subunits Gpa11 and Gpa12 define a transduction pathway that control spore size and virulence in Mucor circinelloides. PLoS ONE, 2019, 14, e0226682.	2.5	10
17	The RNAi Mechanism Regulates a New Exonuclease Gene Involved in the Virulence of Mucorales. International Journal of Molecular Sciences, 2021, 22, 2282.	4.1	9
18	A Mucoralean White Collar-1 Photoreceptor Controls Virulence by Regulating an Intricate Gene Network during Host Interactions. Microorganisms, 2021, 9, 459.	3.6	7

#	Article	IF	Citations
19	Role of the Non-Canonical RNAi Pathway in the Antifungal Resistance and Virulence of Mucorales. Genes, 2021, 12, 586.	2.4	2
20	Transformation and CRISPR-Cas9-mediated homologous recombination in the fungus Rhizopus microsporus. STAR Protocols, 2022, 3, 101237.	1.2	2
21	A Landmark in the Study of Mucormycosis: Stable and Reproducible Homologous Recombination in <i>Rhizopus microsporus</i>. SSRN Electronic Journal, 0, , .	0.4	1