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	Transformation and CRISPR-Cas9-mediated homologous recombination in the fungus Rhizopus microsporus. STAR Protocols, 2022, 3, 101237.	1.2	2
2	A Mucoralean White Collar-1 Photoreceptor Controls Virulence by Regulating an Intricate Gene Network during Host Interactions. Microorganisms, 2021, 9, 459.	3.6	7
3	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
4	Role of the Non-Canonical RNAi Pathway in the Antifungal Resistance and Virulence of Mucorales. Genes, 2021, 12, 586.	2.4	2
5	Stable and reproducible homologous recombination enables CRISPR-based engineering in the fungus Rhizopus microsporus. Cell Reports Methods, 2021, 1, 100124.	2.9	17
6	A non-canonical RNAi pathway controls virulence and genome stability in Mucorales. PLoS Genetics, 2020, 16, e1008611.	3.5	21
7	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
8	Genes, Pathways, and Mechanisms Involved in the Virulence of Mucorales. Genes, 2020, 11, 317.	2.4	42
9	Mucorales Species and Macrophages. Journal of Fungi (Basel, Switzerland), 2020, 6, 94.	3.5	39
10	Comparative genomics applied to Mucor species with different lifestyles. BMC Genomics, 2020, 21, 135.	2.8	23
11	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
12	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
13	<i>Mucor circinelloides</i> Thrives inside the Phagosome through an Atf-Mediated Germination Pathway. MBio, 2019, 10, .	4.1	28
14	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
15	Understanding <i>Mucor circinelloides</i> pathogenesis by comparative genomics and phenotypical studies. Virulence, 2018, 9, 707-720.	4.4	44
16	Control of morphology and virulence by ADP-ribosylation factors (Arf) in Mucor circinelloides. Current Genetics, 2018, 64, 853-869.	1.7	41
17	<i>Mucor circinelloides</i>: Growth, Maintenance, and Genetic Manipulation. Current Protocols in Microbiology, 2018, 49, e53.	6.5	38
18	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

#	Article	IF	Citations
19	Molecular Tools for Carotenogenesis Analysis in the Mucoral Mucor circinelloides. Methods in Molecular Biology, 2018, 1852, 221-237.	0.9	28
20	RNAi-Based Functional Genomics Identifies New Virulence Determinants in Mucormycosis. PLoS Pathogens, 2017, 13, e1006150.	4.7	53
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