Alexandre Melo BailÃ£o

List of Publications by Year
in descending order

74 papers	2,348 citations	172207 29 h-index	233125 45 g-index
75 all docs	75 docs citations	75 times ranked	1984 citing authors

#	Article	IF	Citations
1	Comparative Genomic Analysis of Human Fungal Pathogens Causing Paracoccidioidomycosis. PLoS Genetics, 2011, 7, e1002345.	1.5	164
2	The transcriptome analysis of early morphogenesis in Paracoccidioides brasiliensis mycelium reveals novel and induced genes potentially associated to the dimorphic process. BMC Microbiology, 2007, 7, 29.	1.3	100
3	Response to oxidative stress in Paracoccidioides yeast cells as determined by proteomic analysis. Microbes and Infection, 2013, 15, 347-364.	1.0	96
4	Transcriptome profiling of Paracoccidioides brasiliensis yeast-phase cells recovered from infected mice brings new insights into fungal response upon host interaction. Microbiology (United Kingdom), 2007, 153, 4194-4207.	0.7	86
5	Macrophage Interaction with Paracoccidioides brasiliensis Yeast Cells Modulates Fungal Metabolism and Generates a Response to Oxidative Stress. PLoS ONE, 2015, 10, e0137619.	1.1	79
6	Differential gene expression by Paracoccidioides brasiliensis in host interaction conditions: Representational difference analysis identifies candidate genes associated with fungal pathogenesis. Microbes and Infection, 2006, 8, 2686-2697.	1.0	77
7	Analysis of the Secretomes of Paracoccidioides Mycelia and Yeast Cells. PLoS ONE, 2012, 7, e52470.	1.1	72
8	A quantitative view of the morphological phases of Paracoccidioides brasiliensis using proteomics. Journal of Proteomics, 2011, 75, 572-587.	1.2	69
9	Hemoglobin Uptake by Paracoccidioides spp. Is Receptor-Mediated. PLoS Neglected Tropical Diseases, 2014, 8, e2856.	1.3	66
10	Transcriptional and Proteomic Responses to Carbon Starvation in Paracoccidioides. PLoS Neglected Tropical Diseases, 2014, 8, e2855.	1.3	65
11	Proteomic Analysis Reveals That Iron Availability Alters the Metabolic Status of the Pathogenic Fungus Paracoccidioides brasiliensis. PLoS ONE, 2011, 6, e22810.	1.1	61
12	Isolation and partial characterization of a 30ÂkDa adhesin from Paracoccidioides brasiliensis. Microbes and Infection, 2005, 7, 875-881.	1.0	60
13	Paracoccidioides brasiliensispresents metabolic reprogramming and secretes a serine proteinase during murine infection. Virulence, 2017, 8, 1417-1434.	1.8	58
14	Antifungal Resistance, Metabolic Routes as Drug Targets, and New Antifungal Agents: An Overview about Endemic Dimorphic Fungi. Mediators of Inflammation, 2017, 2017, 1-16.	1.4	53
15	A proteomic view of the response of Paracoccidioides yeast cells to zinc deprivation. Fungal Biology, 2013, 117, 399-410.	1.1	52
16	Identification of membrane proteome of <i>Paracoccidioides lutzii</i> and its regulation by zinc. Future Science OA, 2017, 3, FSO232.	0.9	51
17	Comparative proteomics in the genus Paracoccidioides. Fungal Genetics and Biology, 2013, 60, 87-100.	0.9	48
18	The Homeostasis of Iron, Copper, and Zinc in Paracoccidioides Brasiliensis, Cryptococcus Neoformans Var. Grubii, and Cryptococcus Gattii: A Comparative Analysis. Frontiers in Microbiology, 2011, 2, 49.	1.5	47

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19	A glyphosate-based herbicide induces histomorphological and protein expression changes in the liver of the female guppy Poecilia reticulata. Chemosphere, 2017, 168, 933-943.	4.2	46
20	Hydroxamate Production as a High Affinity Iron Acquisition Mechanism in Paracoccidioides Spp. PLoS ONE, 2014, 9, e105805.	1.1	44
21	A secreted serine protease of Paracoccidioides brasiliensis and its interactions with fungal proteins. BMC Microbiology, 2010, 10, 292.	1.3	43
22	Analysis of Paracoccidioides secreted proteins reveals fructose 1,6-bisphosphate aldolase as a plasminogen-binding protein. BMC Microbiology, 2015, 15, 53.	1.3	39
23	Proteomic and histopathological response in the gills of Poecilia reticulata exposed to glyphosate-based herbicide. Environmental Toxicology and Pharmacology, 2015, 40, 175-186.	2.0	39
24	Employing proteomic analysis to compare Paracoccidioides lutzii yeast and mycelium cell wall proteins. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2017, 1865, 1304-1314.	1.1	38
25	The transcriptional profile ofParacoccidioides brasiliensisyeast cells is influenced by human plasma. FEMS Immunology and Medical Microbiology, 2007, 51, 43-57.	2.7	37
26	Monofunctional catalase P ofParacoccidioides brasiliensis: identification, characterization, molecular cloning and expression analysis. Yeast, 2004, 21, 173-182.	0.8	35
27	Characterization of the Paracoccidioides Hypoxia Response Reveals New Insights into Pathogenesis Mechanisms of This Important Human Pathogenic Fungus. PLoS Neglected Tropical Diseases, 2015, 9, e0004282.	1.3	32
28	Identification and characterization of antigenic proteins potentially expressed during the infectious process of Paracoccidioides brasiliensis. Microbes and Infection, 2009, 11, 895-903.	1.0	31
29	Characterization of extracellular proteins in members of the Paracoccidioides complex. Fungal Biology, 2018, 122, 738-751.	1.1	31
30	A surface 75-kDa protein with acid phosphatase activity recognized by monoclonal antibodies that inhibit Paracoccidioides brasiliensis growth. Microbes and Infection, 2007, 9, 1484-1492.	1.0	28
31	Predicting copper-, iron-, and zinc-binding proteins in pathogenic species of the Paracoccidioides genus. Frontiers in Microbiology, 2014, 5, 761.	1.5	28
32	cDNA representational difference analysis used in the identification of genes expressed by Trichophyton rubrum during contact with keratin. Microbes and Infection, 2007, 9, 1415-1421.	1.0	27
33	Ten-minute direct detection of Zika virus in serum samples by RT-LAMP. Journal of Virological Methods, 2019, 271, 113675.	1.0	26
34	The catalases of Paracoccidioides brasiliensis are differentially regulated: Protein activity and transcript analysis. Fungal Genetics and Biology, 2008, 45, 1470-1478.	0.9	25
35	Immunoproteomic Approach of Extracellular Antigens From Paracoccidioides Species Reveals Exclusive B-Cell Epitopes. Frontiers in Microbiology, 2019, 10, 2968.	1.5	25
36	Paracoccidioides spp. ferrous and ferric iron assimilation pathways. Frontiers in Microbiology, 2015, 6, 821.	1.5	23

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37	Transcriptome Profile of the Response of Paracoccidioides spp. to a Camphene Thiosemicarbazide Derivative. PLoS ONE, 2015, 10, e0130703.	1.1	23
38	Genes Potentially Relevant in the Parasitic Phase of the Fungal Pathogen Paracoccidioides brasiliensis. Mycopathologia, 2011, 171, 1-9.	1.3	22
39	Proteomic profile response of Paracoccidioides lutzii to the antifungal argentilactone. Frontiers in Microbiology, 2015, 6, 616.	1.5	22
40	Molecular and biochemical characterization of carbonic anhydrases of Paracoccidioides. Genetics and Molecular Biology, 2016, 39, 416-425.	0.6	22
41	Molecular characterization of siderophore biosynthesis in Paracoccidioides brasiliensis. IMA Fungus, 2020, 11, 11.	1.7	21
42	Comparative transcriptome analysis of Paracoccidioides brasiliensis during inÂvitro adhesion to type I collagen and fibronectin: identification of potential adhesins. Research in Microbiology, 2012, 163, 182-191.	1.0	19
43	Effects of Argentilactone on the Transcriptional Profile, Cell Wall and Oxidative Stress of Paracoccidioides spp.. PLoS Neglected Tropical Diseases, 2016, 10, e0004309.	1.3	19
44	Metabolic Peculiarities of Paracoccidioides brasiliensis Dimorphism as Demonstrated by iTRAQ Labeling Proteomics. Frontiers in Microbiology, 2019, 10, 555.	1.5	19
45	Metal Acquisition and Homeostasis in Fungi. Current Fungal Infection Reports, 2012, 6, 257-266.	0.9	18
46	Propionate metabolism in a human pathogenic fungus: proteomic and biochemical analyses. IMA Fungus, 2020, 11, 9.	1.7	18
47	Osmotic stress adaptation of Paracoccidioides lutzii, Pb01, monitored by proteomics. Fungal Genetics and Biology, 2016, 95, 13-23.	0.9	16
48	Mechanisms of copper and zinc homeostasis in pathogenic black fungi. Fungal Biology, 2018, 122, 526-537.	1.1	16
49	Comparison of transcription of multiple genes during mycelia transition to yeast cells of Paracoccidioides brasiliensis reveals insights to fungal differentiation and pathogenesis. Mycopathologia, 2008, 165, 259-273.	1.3	14
50	Zinc at the Hostâ€"Fungus Interface: How to Uptake the Metal?. Journal of Fungi (Basel, Switzerland), 2020, 6, 305.	1.5	14
51	Glyceraldehyde-3-phosphate dehydrogenase of the entomopathogenic fungus Metarhizium anisopliae: cell-surface localization and role in host adhesion. FEMS Microbiology Letters, 2010, 312, 101-109.	0.7	13
52	Purification of Paracoccidioides brasiliensis catalase P: subsequent kinetic and stability studies. Journal of Biochemistry, 2010, 147, 345-351.	0.9	13
53	The Endothelin System Has a Significant Role in the Pathogenesis and Progression of Mycobacterium tuberculosis Infection. Infection and Immunity, 2014, 82, 5154-5165.	1.0	12
54	Response ofParacoccidioides lutziito the antifungal camphene thiosemicarbazide determined by proteomic analysis. Future Microbiology, 2018, 13, 1473-1496.	1.0	12

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55	Chemoproteomic identification of molecular targets of antifungal prototypes, thiosemicarbazide and a camphene derivative of thiosemicarbazide, in Paracoccidioides brasiliensis. PLoS ONE, 2018, 13, e0201948.	1.1	12
56	Comparative proteomics in the three major human pathogenic species of the genus Sporothrix. Microbes and Infection, 2021, 23, 104762.	1.0	12
57	Transcriptional profile of Paracoccidioides spp. in response to itraconazole. BMC Genomics, 2014, 15, 254.	1.2	11
58	Cellâ€free antigens of <i>Sporothrix brasiliensis</i>: antigenic diversity and application in an immunoblot assay. Mycoses, 2012, 55, 467-475.	1.8	10
59	Metabolic Adaptation of Paracoccidioides brasiliensis in Response to in vitro Copper Deprivation. Frontiers in Microbiology, 2020, 11, 1834.	1.5	10
60	Preferential transcription of Paracoccidioides brasiliensis genes: host niche and time-dependent expression. Memorias Do Instituto Oswaldo Cruz, 2009, 104, 486-491.	0.8	8
61	Dynamic solid-phase RNA extraction from a biological sample in a polyester-toner based microchip. Analytical Methods, 2017, 9, 2116-2121.	1.3	8
62	InÂvitro, exÂvivo and inÂvivo models: A comparative analysis of Paracoccidioides spp. proteomic studies. Fungal Biology, 2018, 122, 505-513.	1.1	8
63	Insights Into Histoplasma capsulatum Behavior on Zinc Deprivation. Frontiers in Cellular and Infection Microbiology, 2020, 10, 573097.	1.8	6
64	Loop-mediated isothermal amplification in disposable polyester-toner microdevices. Analytical Biochemistry, 2017, 534, 70-77.	1.1	5
65	Analysis ofParacoccidioideslutziimitochondria: a proteomic approach. Yeast, 2017, 34, 179-188.	0.8	5
66	Interaction with Pantoea agglomerans Modulates Growth and Melanization of Sporothrix brasiliensis and Sporothrix schenckii. Mycopathologia, 2019, 184, 367-381.	1.3	5
67	Transcript Profiling Using ESTs from Paracoccidioides brasiliensis in Models of Infection. Methods in Molecular Biology, 2012, 845, 381-396.	0.4	4
68	Proteome characterization of Paracoccidioides lutzii conidia by using nanoUPLC-MSE. Fungal Biology, 2020, 124, 766-780.	1.1	4
69	Bioluminescence imaging in Paracoccidioides spp.: a tool to monitor the infectious processes. Microbes and Infection, 2022, 24, 104975.	1.0	4
70	Molecular Diagnostics of Dengue by Reverse Transcription-Loop Mediated Isothermal Amplification (RT-LAMP) in Disposable Polyester-Toner Microdevices. Journal of the Brazilian Chemical Society, 0, , .	0.6	3
71	Cloning, characterization and expression of a calnexin homologue from the pathogenic fungusParacoccidioides brasiliensis. Yeast, 2007, 24, 79-87.	0.8	2
72	Comparative Proteomic Analysis of Histoplasma capsulatum Yeast and Mycelium Reveals Differential Metabolic Shifts and Cell Wall Remodeling Processes in the Different Morphotypes. Frontiers in Microbiology, 2021, 12, 640931.	1.5	2

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73	Kinases of two strains of Mycoplasma hyopneumoniae and a strain of Mycoplasma synoviae: an overview. Genetics and Molecular Biology, 2007, 30, 219-224.	0.6	2
74	An efficient Agrobacterium tumefaciens-mediated transformation method for Simplicillium subtropicum (Hypocreales: Cordycipitaceae). Genetics and Molecular Biology, 2021, 44, e20210073.	0.6	1