

Fernando Rodrigues

List of Publications by Citations

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102
papers

4,521
citations

34
h-index

65
g-index

109
ext. papers

5,361
ext. citations

5.9
avg, IF

4.84
L-index

#	Paper	IF	Citations
102	Glutaminolysis and Fumarate Accumulation Integrate Immunometabolic and Epigenetic Programs in Trained Immunity. <i>Cell Metabolism</i> , 2016 , 24, 807-819	24.6	398
101	An AIF orthologue regulates apoptosis in yeast. <i>Journal of Cell Biology</i> , 2004 , 166, 969-74	7.3	328
100	Cytochrome c release and mitochondria involvement in programmed cell death induced by acetic acid in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2002 , 13, 2598-606	3.5	310
99	Immunometabolic Pathways in BCG-Induced Trained Immunity. <i>Cell Reports</i> , 2016 , 17, 2562-2571	10.6	299
98	Dectin-1 Y238X polymorphism associates with susceptibility to invasive aspergillosis in hematopoietic transplantation through impairment of both recipient- and donor-dependent mechanisms of antifungal immunity. <i>Blood</i> , 2010 , 116, 5394-402	2.2	216
97	Genetic PTX3 deficiency and aspergillosis in stem-cell transplantation. <i>New England Journal of Medicine</i> , 2014 , 370, 421-32	59.2	211
96	Caloric restriction or catalase inactivation extends yeast chronological lifespan by inducing H2O2 and superoxide dismutase activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 15123-8	11.5	208
95	Polymorphisms in toll-like receptor genes and susceptibility to pulmonary aspergillosis. <i>Journal of Infectious Diseases</i> , 2008 , 197, 618-21	7	195
94	Drivers of genetic diversity in secondary metabolic gene clusters within a fungal species. <i>PLoS Biology</i> , 2017 , 15, e2003583	9.7	102
93	NO-mediated apoptosis in yeast. <i>Journal of Cell Science</i> , 2007 , 120, 3279-88	5.3	96
92	Polymorphisms in Toll-like receptor genes and susceptibility to infections in allogeneic stem cell transplantation. <i>Experimental Hematology</i> , 2009 , 37, 1022-9	3.1	86
91	Mechanisms underlying the transport and intracellular metabolism of acetic acid in the presence of glucose in the yeast <i>Zygosaccharomyces bailii</i> . <i>Microbiology (United Kingdom)</i> , 1998 , 144 (Pt 3), 665-670	2.9	82
90	Responses of antioxidant defenses to Cu and Zn stress in two aquatic fungi. <i>Science of the Total Environment</i> , 2007 , 377, 233-43	10.2	76
89	Yeast protein expression profile during acetic acid-induced apoptosis indicates causal involvement of the TOR pathway. <i>Proteomics</i> , 2009 , 9, 720-32	4.8	71
88	Mycobacterium tuberculosis Strains Are Differentially Recognized by TLRs with an Impact on the Immune Response. <i>PLoS ONE</i> , 2013 , 8, e67277	3.7	57
87	Nitric oxide signaling is disrupted in the yeast model for Batten disease. <i>Molecular Biology of the Cell</i> , 2007 , 18, 2755-67	3.5	53
86	The soluble pattern recognition receptor PTX3 links humoral innate and adaptive immune responses by helping marginal zone B cells. <i>Journal of Experimental Medicine</i> , 2016 , 213, 2167-85	16.6	50

85	Drug-induced apoptosis in yeast. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2008 , 1783, 1436-48	4.9	50
84	Cdc42p controls yeast-cell shape and virulence of <i>Paracoccidioides brasiliensis</i> . <i>Fungal Genetics and Biology</i> , 2009 , 46, 919-26	3.9	49
83	Towards a molecular genetic system for the pathogenic fungus <i>Paracoccidioides brasiliensis</i> . <i>Fungal Genetics and Biology</i> , 2007 , 44, 1387-98	3.9	48
82	Functional characterization of a xylose transporter in <i>Aspergillus nidulans</i> . <i>Biotechnology for Biofuels</i> , 2014 , 7, 46	7.8	46
81	Evaluation of Bronchoalveolar Lavage Fluid Cytokines as Biomarkers for Invasive Pulmonary Aspergillosis in At-Risk Patients. <i>Frontiers in Microbiology</i> , 2017 , 8, 2362	5.7	40
80	Genetically-determined hyperfunction of the S100B/RAGE axis is a risk factor for aspergillosis in stem cell transplant recipients. <i>PLoS ONE</i> , 2011 , 6, e27962	3.7	40
79	The genome sequence of the highly acetic acid-tolerant <i>Zygosaccharomyces bailii</i> -derived interspecies hybrid strain ISA1307, isolated from a sparkling wine plant. <i>DNA Research</i> , 2014 , 21, 299-313	4.5	39
78	Low auxotrophy-complementing amino acid concentrations reduce yeast chronological life span. <i>Mechanisms of Ageing and Development</i> , 2007 , 128, 383-91	5.6	39
77	PTX3-Based Genetic Testing for Risk of Aspergillosis After Lung Transplant. <i>Clinical Infectious Diseases</i> , 2015 , 61, 1893-4	11.6	38
76	Multiplex PCR identification of eight clinically relevant <i>Candida</i> species. <i>Medical Mycology</i> , 2007 , 45, 619-27	3.7	38
75	Genome size and ploidy of <i>Paracoccidioides brasiliensis</i> reveals a haploid DNA content: flow cytometry and GP43 sequence analysis. <i>Fungal Genetics and Biology</i> , 2007 , 44, 25-31	3.9	37
74	Oxygen requirements of the food spoilage yeast <i>Zygosaccharomyces bailii</i> in synthetic and complex media. <i>Applied and Environmental Microbiology</i> , 2001 , 67, 2123-8	4.8	37
73	Red fluorescent protein (DsRed) as a reporter in <i>Saccharomyces cerevisiae</i> . <i>Journal of Bacteriology</i> , 2001 , 183, 3791-4	3.5	37
72	BCG vaccination-induced long-lasting control of <i>Mycobacterium tuberculosis</i> correlates with the accumulation of a novel population of CD4+IL-17+TNF+IL-2+ T cells. <i>Vaccine</i> , 2015 , 33, 85-91	4.1	35
71	Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) is a specific substrate of yeast metacaspase. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011 , 1813, 2044-9	4.9	35
70	Sugar Metabolism in Yeasts: an Overview of Aerobic and Anaerobic Glucose Catabolism 2006 , 101-121		35
69	Antimicrobial coating of spider silk to prevent bacterial attachment on silk surgical sutures. <i>Acta Biomaterialia</i> , 2019 , 99, 236-246	10.8	34
68	Evidence for diversifying selection in a set of <i>Mycobacterium tuberculosis</i> genes in response to antibiotic- and nonantibiotic-related pressure. <i>Molecular Biology and Evolution</i> , 2013 , 30, 1326-36	8.3	34

67	The Cell Biology of the -Host Interaction. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017 , 7, 118	5.9	33
66	The rs5743836 polymorphism in TLR9 confers a population-based increased risk of non-Hodgkin lymphoma. <i>Genes and Immunity</i> , 2012 , 13, 197-201	4.4	32
65	The C allele of rs5743836 polymorphism in the human TLR9 promoter links IL-6 and TLR9 up-regulation and confers increased B-cell proliferation. <i>PLoS ONE</i> , 2011 , 6, e28256	3.7	32
64	Differential post-transcriptional regulation of IL-10 by TLR2 and TLR4-activated macrophages. <i>European Journal of Immunology</i> , 2014 , 44, 856-66	6.1	31
63	IL-10 overexpression predisposes to invasive aspergillosis by suppressing antifungal immunity. <i>Journal of Allergy and Clinical Immunology</i> , 2017 , 140, 867-870.e9	11.5	30
62	Phagosomal removal of fungal melanin reprograms macrophage metabolism to promote antifungal immunity. <i>Nature Communications</i> , 2020 , 11, 2282	17.4	29
61	Identification of glucose transporters in <i>Aspergillus nidulans</i> . <i>PLoS ONE</i> , 2013 , 8, e81412	3.7	29
60	The fate of acetic acid during glucose co-metabolism by the spoilage yeast <i>Zygosaccharomyces bailii</i> . <i>PLoS ONE</i> , 2012 , 7, e52402	3.7	28
59	Genetic Variation in Autophagy-Related Genes Influences the Risk and Phenotype of Buruli Ulcer. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004671	4.8	26
58	The conserved and divergent roles of carbonic anhydrases in the filamentous fungi <i>Aspergillus fumigatus</i> and <i>Aspergillus nidulans</i> . <i>Molecular Microbiology</i> , 2010 , 75, 1372-88	4.1	25
57	Platelet Lysate-Loaded Photocrosslinkable Hyaluronic Acid Hydrogels for Periodontal Endogenous Regenerative Technology. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 1359-1369	5.5	24
56	<i>Mycobacterium tuberculosis</i> associated with severe tuberculosis evades cytosolic surveillance systems and modulates IL-1 β production. <i>Nature Communications</i> , 2020 , 11, 1949	17.4	24
55	Accumulation of non-superoxide anion reactive oxygen species mediates nitrogen-limited alcoholic fermentation by <i>Saccharomyces cerevisiae</i> . <i>Applied and Environmental Microbiology</i> , 2010 , 76, 7918-24	4.8	24
54	Study of disease-relevant polymorphisms in the TLR4 and TLR9 genes: a novel method applied to the analysis of the Portuguese population. <i>Molecular and Cellular Probes</i> , 2007 , 21, 316-20	3.3	24
53	The spoilage yeast <i>Zygosaccharomyces bailii</i> forms mitotic spores: a screening method for haploidization. <i>Applied and Environmental Microbiology</i> , 2003 , 69, 649-53	4.8	24
52	Paving the way for predictive diagnostics and personalized treatment of invasive aspergillosis. <i>Frontiers in Microbiology</i> , 2015 , 6, 411	5.7	22
51	The Absence of HIF-1 β Increases Susceptibility to <i>Leishmania donovani</i> Infection via Activation of BNIP3/mTOR/SREBP-1c Axis. <i>Cell Reports</i> , 2020 , 30, 4052-4064.e7	10.6	21
50	Clinical Epidemiology of Buruli Ulcer from Benin (2005-2013): Effect of Time-Delay to Diagnosis on Clinical Forms and Severe Phenotypes. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0004005	4.8	21

49	The <i>Aspergillus nidulans</i> signalling mucin MsbA regulates starvation responses, adhesion and affects cellulase secretion in response to environmental cues. <i>Molecular Microbiology</i> , 2014 , 94, 1103	4.1	21
48	Neurodevelopmental delay in the <i>Cln3Deltaex7/8</i> mouse model for Batten disease. <i>Genes, Brain and Behavior</i> , 2009 , 8, 337-45	3.6	21
47	An atypical active cell death process underlies the fungicidal activity of ciclopirox olamine against the yeast <i>Saccharomyces cerevisiae</i> . <i>FEMS Yeast Research</i> , 2007 , 7, 404-12	3.1	20
46	Functional Characterization of Clinical Isolates of the Opportunistic Fungal Pathogen <i>Aspergillus nidulans</i> . <i>MSphere</i> , 2020 , 5,	5	20
45	IL-17A Promotes Intracellular Growth of Mycobacterium by Inhibiting Apoptosis of Infected Macrophages. <i>Frontiers in Immunology</i> , 2015 , 6, 498	8.4	19
44	Yeast chronological lifespan and proteotoxic stress: is autophagy good or bad?. <i>Biochemical Society Transactions</i> , 2011 , 39, 1466-70	5.1	19
43	The impact of IL-10 dynamic modulation on host immune response against visceral leishmaniasis. <i>Cytokine</i> , 2018 , 112, 16-20	4	17
42	Analysis of a local HIV-1 epidemic in portugal highlights established transmission of non-B and non-G subtypes. <i>Journal of Clinical Microbiology</i> , 2015 , 53, 1506-14	9.7	17
41	Gene knockdown in <i>Paracoccidioides brasiliensis</i> using antisense RNA. <i>Methods in Molecular Biology</i> , 2012 , 845, 187-98	1.4	16
40	Identification of metabolic pathways influenced by the G-protein coupled receptors GprB and GprD in <i>Aspergillus nidulans</i> . <i>PLoS ONE</i> , 2013 , 8, e62088	3.7	16
39	Application of flow cytometry for the identification of <i>Staphylococcus epidermidis</i> by peptide nucleic acid fluorescence in situ hybridization (PNA FISH) in blood samples. <i>Antonie Van Leeuwenhoek</i> , 2011 , 100, 463-70	2.1	16
38	Construction of a genomic library of the food spoilage yeast <i>Zygosaccharomyces bailii</i> and isolation of the beta-isopropylmalate dehydrogenase gene (<i>ZbLEU2</i>). <i>FEMS Yeast Research</i> , 2001 , 1, 67-71	3.1	16
37	A Prediction Rule to Stratify Mortality Risk of Patients with Pulmonary Tuberculosis. <i>PLoS ONE</i> , 2016 , 11, e0162797	3.7	16
36	Pathogenic Allodiploid Hybrids of <i>Aspergillus</i> Fungi. <i>Current Biology</i> , 2020 , 30, 2495-2507.e7	6.3	15
35	Involvement of yeast HSP90 isoforms in response to stress and cell death induced by acetic acid. <i>PLoS ONE</i> , 2013 , 8, e71294	3.7	15
34	New insights into the cell cycle profile of <i>Paracoccidioides brasiliensis</i> . <i>Fungal Genetics and Biology</i> , 2006 , 43, 401-9	3.9	15
33	Immunogenetic profiling to predict risk of invasive fungal diseases: where are we now?. <i>Immunological Investigations</i> , 2011 , 40, 723-34	2.9	14
32	Impact of Paracoccin Gene Silencing on Virulence. <i>MBio</i> , 2017 , 8,	7.8	13

31	TLR9 activation dampens the early inflammatory response to <i>Paracoccidioides brasiliensis</i> , impacting host survival. <i>PLoS Neglected Tropical Diseases</i> , 2013 , 7, e2317	4.8	13
30	<i>P. brasiliensis</i> virulence is affected by SconC, the negative regulator of inorganic sulfur assimilation. <i>PLoS ONE</i> , 2013 , 8, e74725	3.7	13
29	A twenty-year survey of dermatophytoses in Braga, Portugal. <i>International Journal of Dermatology</i> , 2006 , 45, 822-7	1.7	13
28	Silk-Based Antimicrobial Polymers as a New Platform to Design Drug-Free Materials to Impede Microbial Infections. <i>Macromolecular Bioscience</i> , 2018 , 18, e1800262	5.5	13
27	The <i>Aspergillus fumigatus</i> Mismatch Repair Homolog Is Important for Virulence and Azole Resistance. <i>MSphere</i> , 2019 , 4,	5	12
26	Genetic susceptibility to aspergillosis in allogeneic stem-cell transplantation. <i>Medical Mycology</i> , 2011 , 49 Suppl 1, S137-43	3.9	12
25	Isolation of an acetyl-CoA synthetase gene (ZbACS2) from <i>Zygosaccharomyces bailii</i> . <i>Yeast</i> , 2004 , 21, 325-31	3.4	11
24	L-Threonine Supplementation During Colitis Onset Delays Disease Recovery. <i>Frontiers in Physiology</i> , 2018 , 9, 1247	4.6	10
23	The Pyruvate Dehydrogenase Kinases Are Essential To Integrate Carbon Source Metabolism. <i>G3: Genes, Genomes, Genetics</i> , 2018 , 8, 2445-2463	3.2	9
22	The Influence of Genetic Stability on Virulence and Azole Resistance. <i>G3: Genes, Genomes, Genetics</i> , 2018 , 8, 265-278	3.2	8
21	Molecular characterization of siderophore biosynthesis in <i>s. IMA Fungus</i> , 2020 , 11, 11	6.8	7
20	Functionality of the <i>Paracoccidioides</i> mating pheromone-receptor system. <i>PLoS ONE</i> , 2012 , 7, e47033	3.7	7
19	Molecular biology of the dimorphic fungi <i>Paracoccidioides</i> spp. <i>Fungal Biology Reviews</i> , 2011 , 25, 89-97	6.8	7
18	Predictors and outcomes of disseminated tuberculosis in an intermediate burden setting. <i>Pulmonology</i> , 2019 , 25, 320-327	3.7	6
17	Synthetic and minimalist vectors for <i>Agrobacterium tumefaciens</i> -mediated transformation of fungi. <i>Genetics and Molecular Biology</i> , 2019 , 42, 395-398	2	6
16	Isolation and sequence analysis of the gene encoding triose phosphate isomerase from <i>Zygosaccharomyces bailii</i> . <i>Yeast</i> , 2001 , 18, 775-80	3.4	6
15	Unveiling the effect of three-dimensional bioactive fibre mesh scaffolds functionalized with silanol groups on bacteria growth. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 2189-99	5.4	5
14	Drawings as snapshots of student cellular anatomy understanding. <i>Medical Education</i> , 2013 , 47, 1120-1	3.7	5

13	Morphological heterogeneity of <i>Paracoccidioides brasiliensis</i> : relevance of the Rho-like GTPase PbCDC42. <i>Medical Mycology</i> , 2012 , 50, 768-74	3.9	3
12	T-1237C polymorphism of TLR9 gene is not associated with multiple sclerosis in the Portuguese population. <i>Multiple Sclerosis Journal</i> , 2008 , 14, 550-2	5	3
11	Paracoccin Overexpression in <i>Paracoccidioides brasiliensis</i> Enhances Fungal Virulence by Remodeling Chitin Properties of the Cell Wall. <i>Journal of Infectious Diseases</i> , 2021 , 224, 164-174	7	3
10	Characterization of a heme-protein responsive to hypoxia in <i>Paracoccidioides brasiliensis</i> . <i>Fungal Genetics and Biology</i> , 2020 , 144, 103446	3.9	3
9	Ploidy Determination in the Pathogenic Fungus spp. <i>Frontiers in Microbiology</i> , 2019 , 10, 284	5.7	2
8	The conserved and divergent roles of carbonic anhydrases in the filamentous fungi <i>Aspergillus fumigatus</i> and <i>Aspergillus nidulans</i> . <i>Molecular Microbiology</i> , 2009 , 76, 802-802	4.1	2
7	Genetic variants in human () are associated with ulcerative forms of Buruli ulcer. <i>Emerging Microbes and Infections</i> , 2021 , 10, 223-225	18.9	2
6	A G β protein and the TupA Co-Regulator Bind to Protein Kinase A Tpk2 to Act as Antagonistic Molecular Switches of Fungal Morphological Changes. <i>PLoS ONE</i> , 2015 , 10, e0136866	3.7	1
5	Paracoccin overexpression in <i>Paracoccidioides brasiliensis</i> reveals the influence of chitin hydrolysis on fungal virulence and host immune response		1
4	Cellular Metabolism at a Glance. <i>Experientia Supplementum (2012)</i> , 2018 , 109, 3-27	2.2	
3	Construction of a genomic library of the food spoilage yeast <i>Zygosaccharomyces bailii</i> and isolation of the β -isopropylmalate dehydrogenase gene (ZbLEU2). <i>FEMS Yeast Research</i> , 2001 , 1, 67-71	3.1	
2	<i>Zygosaccharomyces bailii</i> : A Yeast With a Peculiar Pattern for the Regulation of Acetic Acid Metabolism in the Presence of Glucose 2003 , 409-416		
1	Innovative, integrative, and interactive in-class activity on metabolic regulation: Evaluating educational impacts. <i>Biochemistry and Molecular Biology Education</i> , 2021 , 49, 870-881	1.3	