

Antonio Rossi

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98
papers

2,811
citations

22
h-index

51
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102
ext. papers

3,258
ext. citations

4.4
avg, IF

4.61
L-index

#	Paper	IF	Citations
98	Comparison of the genomes of two <i>Xanthomonas</i> pathogens with differing host specificities. <i>Nature</i> , 2002 , 417, 459-63	50.4	934
97	Comparative genome analysis of <i>Trichophyton rubrum</i> and related dermatophytes reveals candidate genes involved in infection. <i>MBio</i> , 2012 , 3, e00259-12	7.8	162
96	Antifungal resistance mechanisms in dermatophytes. <i>Mycopathologia</i> , 2008 , 166, 369-83	2.9	144
95	Dermatophytes: host-pathogen interaction and antifungal resistance. <i>Anais Brasileiros De Dermatologia</i> , 2010 , 85, 657-67	1.6	107
94	Comparative metabolism of cellulose, sophorose and glucose in <i>Trichoderma reesei</i> using high-throughput genomic and proteomic analyses. <i>Biotechnology for Biofuels</i> , 2014 , 7, 41	7.8	87
93	Dermatophyte Resistance to Antifungal Drugs: Mechanisms and Prospectus. <i>Frontiers in Microbiology</i> , 2018 , 9, 1108	5.7	73
92	Salt-tolerant phenol-degrading microorganisms isolated from Amazonian soil samples. <i>Archives of Microbiology</i> , 2000 , 174, 346-52	3	73
91	The pH signaling transcription factor PacC mediates the growth of <i>Trichophyton rubrum</i> on human nail in vitro. <i>Medical Mycology</i> , 2006 , 44, 641-5	3.9	68
90	Pathogenesis of Dermatophytosis: Sensing the Host Tissue. <i>Mycopathologia</i> , 2017 , 182, 215-227	2.9	60
89	The sequence of <i>palF</i> , an environmental pH response gene in <i>Aspergillus nidulans</i> . <i>Gene</i> , 1997 , 194, 163-3.8	3.8	55
88	Extracellular Vesicles From the Dermatophyte Modulate Macrophage and Keratinocyte Functions. <i>Frontiers in Immunology</i> , 2018 , 9, 2343	8.4	47
87	Transcriptional profiling reveals the expression of novel genes in response to various stimuli in the human dermatophyte <i>Trichophyton rubrum</i> . <i>BMC Microbiology</i> , 2010 , 10, 39	4.5	44
86	Role of pH in the pathogenesis of dermatophytoses. <i>Mycoses</i> , 2012 , 55, 381-7	5.2	38
85	<i>rpb2</i> is a reliable reference gene for quantitative gene expression analysis in the dermatophyte <i>Trichophyton rubrum</i> . <i>Medical Mycology</i> , 2012 , 50, 368-77	3.9	35
84	Transcriptional profiling reveals genes in the human pathogen <i>Trichophyton rubrum</i> that are expressed in response to pH signaling. <i>Microbial Pathogenesis</i> , 2010 , 48, 91-6	3.8	32
83	In vitro and ex vivo infection models help assess the molecular aspects of the interaction of <i>Trichophyton rubrum</i> with the host milieu. <i>Medical Mycology</i> , 2016 , 54, 420-7	3.9	31
82	Heat Shock Protein 90 (Hsp90) as a Molecular Target for the Development of Novel Drugs Against the Dermatophyte <i>Trichophyton rubrum</i> . <i>Frontiers in Microbiology</i> , 2015 , 6, 1241	5.7	31

81	A splice variant of the <i>Neurospora crassa</i> hex-1 transcript, which encodes the major protein of the Woronin body, is modulated by extracellular phosphate and pH changes. <i>FEBS Letters</i> , 2009 , 583, 180-4	3.8	30
80	RNA-sequencing analysis of <i>Trichophyton rubrum</i> transcriptome in response to sublethal doses of acriflavine. <i>BMC Genomics</i> , 2014 , 15 Suppl 7, S1	4.5	25
79	Compensatory expression of multidrug-resistance genes encoding ABC transporters in dermatophytes. <i>Journal of Medical Microbiology</i> , 2016 , 65, 605-610	3.2	25
78	Transcription of <i>Aspergillus nidulans</i> pacC is modulated by alternative RNA splicing of palB. <i>FEBS Letters</i> , 2011 , 585, 3442-5	3.8	24
77	Properties of a repressible alkaline phosphatase secreted by the wild-type strain 74a of <i>Neurospora crassa</i> . <i>Phytochemistry</i> , 1984 , 23, 507-510	4	23
76	Purification and properties of pi-repressible acid phosphatases from <i>Aspergillus nidulans</i> . <i>Phytochemistry</i> , 1998 , 49, 1517-1523	4	22
75	Properties of acid phosphatase from scutella of germinating maize seeds. <i>Phytochemistry</i> , 1981 , 20, 1823-1826	4	21
74	Mutants of <i>Aspergillus nidulans</i> able to grow at extremely acidic pH acidify the medium less than wild type when grown at more moderate pH. <i>FEMS Microbiology Letters</i> , 1990 , 66, 51-53	2.9	20
73	Transcriptome-wide survey of gene expression changes and alternative splicing in <i>Trichophyton rubrum</i> in response to undecanoic acid. <i>Scientific Reports</i> , 2018 , 8, 2520	4.9	19
72	Ambient pH sensing in filamentous fungi: pitfalls in elucidating regulatory hierarchical signaling networks. <i>IUBMB Life</i> , 2013 , 65, 930-5	4.7	19
71	Transcriptional profiling of <i>Neurospora crassa</i> Pak-2 reveals that mitogen-activated protein kinase MAK-2 participates in the phosphate signaling pathway. <i>Fungal Genetics and Biology</i> , 2013 , 60, 140-9	3.9	19
70	A transcript finishing initiative for closing gaps in the human transcriptome. <i>Genome Research</i> , 2004 , 14, 1413-23	9.7	19
69	Regulation of synthesis and secretion of acid and alkaline phosphatases in <i>Neurospora crassa</i> . <i>Current Genetics</i> , 1987 , 11, 521-7	2.9	19
68	The dermatophyte <i>Trichophyton rubrum</i> secretes an EDTA-sensitive alkaline phosphatase on high-phosphate medium. <i>Brazilian Journal of Microbiology</i> , 2003 , 34, 161-164	2.2	18
67	Yeast hexokinase A. Succinylation and properties of the active subunit. <i>FEBS Journal</i> , 1975 , 59, 423-32		18
66	Phenol metabolism by two microorganisms isolated from Amazonian forest soil samples. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2000 , 24, 403-409	4.2	17
65	Transcription of the Hsp30, Hsp70, and Hsp90 heat shock protein genes is modulated by the PaA protein in response to acid pH-sensing in the fungus <i>Aspergillus nidulans</i> . <i>Cell Stress and Chaperones</i> , 2011 , 16, 565-72	4	16
64	The pH-induced glycosylation of secreted phosphatases is mediated in <i>Aspergillus nidulans</i> by the regulatory gene pacC-dependent pathway. <i>Fungal Genetics and Biology</i> , 2003 , 39, 286-95	3.9	16

63	Heat Shock Proteins in Dermatophytes: Current Advances and Perspectives. <i>Current Genomics</i> , 2016 , 17, 99-111	2.6	16
62	Identification of genes displaying differential expression in the nuc-2 mutant strain of the mold <i>Neurospora crassa</i> grown under phosphate starvation. <i>FEMS Microbiology Letters</i> , 2007 , 269, 196-200	2.9	15
61	Mutation in a calpain-like protease affects the posttranslational mannosylation of phosphatases in <i>Aspergillus nidulans</i> . <i>Fungal Genetics and Biology</i> , 2003 , 38, 220-7	3.9	15
60	Introduction of green fluorescent protein gene into phenol-degrading <i>Alcaligenes faecalis</i> cells and their monitoring in phenol-contaminated soil. <i>Applied Microbiology and Biotechnology</i> , 2001 , 56, 255-60	5.7	15
59	Dissociation and catalytic activity of phosphate-repressible alkaline phosphatase from <i>Neurospora crassa</i> . <i>Phytochemistry</i> , 1989 , 28, 3281-3284	4	15
58	Transcription of the <i>Neurospora crassa</i> 70-kDa class heat shock protein genes is modulated in response to extracellular pH changes. <i>Cell Stress and Chaperones</i> , 2010 , 15, 225-31	4	13
57	Over-expression of genes coding for proline oxidase, riboflavin kinase, cytochrome c oxidase and an MFS transporter induced by acriflavin in <i>Trichophyton rubrum</i> . <i>Medical Mycology</i> , 2008 , 46, 135-9	3.9	13
56	Terbinafine resistance conferred by multiple copies of the salicylate 1-monooxygenase gene in <i>Trichophyton rubrum</i> . <i>Medical Mycology</i> , 2018 , 56, 378-381	3.9	13
55	Pre-mRNA splicing is modulated by antifungal drugs in the filamentous fungus <i>Neurospora crassa</i> . <i>FEBS Open Bio</i> , 2016 , 6, 358-68	2.7	13
54	Deletion of pH Regulator pac-3 Affects Cellulase and Xylanase Activity during Sugarcane Bagasse Degradation by <i>Neurospora crassa</i> . <i>PLoS ONE</i> , 2017 , 12, e0169796	3.7	12
53	Identification of genes differentially expressed in a strain of the mold <i>Aspergillus nidulans</i> carrying a loss-of-function mutation in the <i>palA</i> gene. <i>Canadian Journal of Microbiology</i> , 2008 , 54, 803-11	3.2	12
52	Purification and constitutive excretion of acid phosphatase in <i>Neurospora crassa</i> . <i>Phytochemistry</i> , 1994 , 35, 1131-1135	4	12
51	Alternative Splicing in Heat Shock Protein Transcripts as a Mechanism of Cell Adaptation in. <i>Cells</i> , 2019 , 8,	7.9	11
50	Properties of a constitutive alkaline phosphatase from strain 74A of the mold <i>Neurospora crassa</i> . <i>Brazilian Journal of Medical and Biological Research</i> , 2000 , 33, 905-12	2.8	11
49	Comprehensive analysis of the dermatophyte <i>Trichophyton rubrum</i> transcriptional profile reveals dynamic metabolic modulation. <i>Biochemical Journal</i> , 2020 , 477, 873-885	3.8	11
48	Transcriptional changes in the nuc-2A mutant strain of <i>Neurospora crassa</i> cultivated under conditions of phosphate shortage. <i>Microbiological Research</i> , 2009 , 164, 658-64	5.3	10
47	The transcription of the gene for iso-orotate decarboxylase (IDCase), an enzyme of the thymidine salvage pathway, is downregulated in the <i>pregc</i> mutant strain of <i>Neurospora crassa</i> grown under phosphate starvation. <i>Canadian Journal of Microbiology</i> , 2007 , 53, 1011-5	3.2	10
46	Global Analysis of Cell Wall Genes Revealed Putative Virulence Factors in the Dermatophyte. <i>Frontiers in Microbiology</i> , 2019 , 10, 2168	5.7	9

45	In vitro susceptibility to antimycotic drug undecanoic acid, a medium-chain fatty acid, is nutrient-dependent in the dermatophyte <i>Trichophyton rubrum</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2011 , 27, 1719-1723	4.4	9
44	Acid phosphatase from maize scutellum: Properties as a function of seed germination. <i>Phytochemistry</i> , 1986 , 26, 55-58	4	9
43	HacA Governs Virulence Traits and Adaptive Stress Responses in. <i>Frontiers in Microbiology</i> , 2020 , 11, 1935-7	8	
42	Isolation of transcripts overexpressed in the human pathogen <i>Trichophyton rubrum</i> grown in lipid as carbon source. <i>Canadian Journal of Microbiology</i> , 2011 , 57, 333-8	3.2	8
41	Effect of phosphate levels on the synthesis of acid phosphatases (EC 3.1.3.2) in <i>Neurospora crassa</i> . <i>Genetical Research</i> , 1985 , 45, 239-49	1.1	8
40	Transcription of N- and O-linked mannosyltransferase genes is modulated by the pacC gene in the human dermatophyte <i>Trichophyton rubrum</i> . <i>FEBS Open Bio</i> , 2012 , 2, 294-7	2.7	7
39	Identification and linkage mapping of the phsA gene of <i>Aspergillus nidulans</i> , where mutation affects growth and pigmentation of colonies in a temperature- and pH-dependent way. <i>FEMS Microbiology Letters</i> , 1999 , 171, 103-6	2.9	7
38	Conversion of pig prothrombin into thrombin: amino acid composition of the active enzyme. <i>Canadian Journal of Biochemistry</i> , 1974 , 52, 336-44		7
37	Isolation and characterization of an active three-chain molecular species of bovine thrombin. <i>Biochemical Journal</i> , 1976 , 159, 29-33	3.8	7
36	The prp4 kinase gene and related spliceosome factor genes in <i>Trichophyton rubrum</i> respond to nutrients and antifungals. <i>Journal of Medical Microbiology</i> , 2019 , 68, 591-599	3.2	7
35	Genes coding for LysM domains in the dermatophyte <i>Trichophyton rubrum</i> : A transcription analysis. <i>Medical Mycology</i> , 2020 , 58, 372-379	3.9	7
34	State-of-the-Art Dermatophyte Infections: Epidemiology Aspects, Pathophysiology, and Resistance Mechanisms. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021 , 7,	5.6	7
33	Saline stress affects the pH-dependent regulation of the transcription factor PacC in the dermatophyte <i>Trichophyton interdigitale</i> . <i>Brazilian Journal of Microbiology</i> , 2020 , 51, 1585-1591	2.2	6
32	The pH Signaling Transcription Factor PAC-3 Regulates Metabolic and Developmental Processes in Pathogenic Fungi. <i>Frontiers in Microbiology</i> , 2019 , 10, 2076	5.7	6
31	A single amino acid substitution in one of the lipases of <i>Aspergillus nidulans</i> confers resistance to the antimycotic drug undecanoic acid. <i>Biochemical Genetics</i> , 2008 , 46, 557-65	2.4	6
30	The <i>Aspergillus nidulans</i> pyrG89 mutation alters glycosylation of secreted acid phosphatase. <i>Fungal Genetics and Biology</i> , 2001 , 32, 113-20	3.9	6
29	Purification of <i>Neurospora crassa</i> alkaline phosphatase without DNase activity for use in molecular biology. <i>World Journal of Microbiology and Biotechnology</i> , 1995 , 11, 505-7	4.4	6
28	STE20/PAKA Protein Kinase Gene Releases an Autoinhibitory Domain through Pre-mRNA Alternative Splicing in the Dermatophyte. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	6

27	Acid phosphatase from maize scutellum: Negative cooperativity suppression by glucose. <i>Phytochemistry</i> , 1983 , 22, 1899-1901	4	5
26	Fungal Extracellular Vesicles Are Involved in Intraspecies Intracellular Communication.. <i>MBio</i> , 2022 , e0327821	5	
25	The synthesis of Phosphate-repressible alkaline phosphatase do not appear to be regulated by ambient pH in the filamentous mould <i>Neurospora crassa</i> . <i>Brazilian Journal of Microbiology</i> , 2002 , 33,	2.2	5
24	The <i>stuA</i> gene controls development, adaptation, stress tolerance, and virulence of the dermatophyte <i>Trichophyton rubrum</i> . <i>Microbiological Research</i> , 2020 , 241, 126592	5.3	5
23	The <i>Microsporium canis</i> genome is organized into five chromosomes based on evidence from electrophoretic karyotyping and chromosome end mapping. <i>Medical Mycology</i> , 2013 , 51, 208-13	3.9	4
22	Is the Sense of Pi Levels Abolished in the pregc Strain of the Mold <i>Neurospora crassa</i> ?. <i>Plant and Cell Physiology</i> , 1994 , 35, 837-840	4.9	4
21	Nitrite toxicity in <i>Aspergillus nidulans</i> : a new locus in a proA1 pabaA6 yA2 strain. <i>Genetical Research</i> , 1983 , 41, 203-7	1.1	4
20	Acid phosphatase from maize scutellum: Succinylation and some kinetic properties of the active enzyme. <i>Phytochemistry</i> , 1981 , 20, 2481-2482	4	4
19	Gene <i>pho-2</i> codes for the multiple active forms of Pi-repressible alkaline phosphatase in the mould <i>Neurospora crassa</i> . <i>World Journal of Microbiology and Biotechnology</i> , 1997 , 13, 609-611	4.4	3
18	Gene <i>pacA+</i> codes for the multiple active forms of Pi-repressible acid phosphatase in the mould <i>Aspergillus nidulans</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2000 , 16, 333-336	4.4	3
17	Reassessing the Use of Undecanoic Acid as a Therapeutic Strategy for Treating Fungal Infections. <i>Mycopathologia</i> , 2021 , 186, 327-340	2.9	3
16	Addendum to "The pH-induced glycosylation of secreted phosphatases is mediated in <i>Aspergillus nidulans</i> by the regulatory gene <i>pacC</i> -dependent pathway" [Fungal Genet. Biol. 39 (2003) 286-295]. <i>Fungal Genetics and Biology</i> , 2003 , 40, 287-8	3.9	2
15	Undecanoic acid resistance in filamentous fungi: identification and linkage mapping of the <i>Aspergillus nidulans</i> <i>udaA</i> gene. <i>Journal of General and Applied Microbiology</i> , 2005 , 51, 47-9	1.5	2
14	Properties of a polynucleotide synthesized by strain 74A of <i>Neurospora crassa</i> . <i>Phytochemistry</i> , 1996 , 41, 345-8	4	2
13	Kinetic properties of acid phosphatase from scutella of germinating maize seeds. <i>Phytochemistry</i> , 1982 , 21, 1245-1247	4	2
12	The PAC-3 transcription factor critically regulates phenotype-associated genes in <i>Neurospora crassa</i> . <i>Genetics and Molecular Biology</i> , 2020 , 43, e20190374	2	2
11	Antifungal Target Selection in <i>Aspergillus nidulans</i> 2002 , 215-230		2
10	Identification and linkage mapping of the <i>phsA</i> gene of <i>Aspergillus nidulans</i> , where mutation affects growth and pigmentation of colonies in a temperature- and pH-dependent way		2

- 9 Antifungal Target Selection in *Aspergillus nidulans*: Using Bioinformatics to Make the Difference 215-230 2
- 8 The adaptive response to ambient pH in *Neurospora crassa*: Contribution of a model organism to the elucidation of gene expression in eukaryotes. *Biochemistry and Molecular Biology Education*, **2002**, 30, 192-195 1.3 1
- 7 Effect of citrate on radial growth and conidiation of the mould *Aspergillus nidulans*. *World Journal of Microbiology and Biotechnology*, **1991**, 7, 609-12 4.4 1
- 6 StuA-Regulated Processes in the Dermatophyte : Transcription Profile, Cell-Cell Adhesion, and Immunomodulation. *Frontiers in Cellular and Infection Microbiology*, **2021**, 11, 643659 5.9 1
- 5 mus-52 disruption and metabolic regulation in *Neurospora crassa*: Transcriptional responses to extracellular phosphate availability. *PLoS ONE*, **2018**, 13, e0195871 3.7 1
- 4 The *Aspergillus nidulans* phsB4 mutation alters colonial growth and development of the mould at acidic pH. *World Journal of Microbiology and Biotechnology*, **2001**, 17, 779-782 4.4
- 3 Transcriptome in Human Mycoses **2014**, 227-263
- 2 Transcriptome in Human Mycoses **2022**, 395-435
- 1 The bZIP Ap1 transcription factor is a negative regulator of virulence attributes of the anthropophilic dermatophyte *Trichophyton rubrum*. *Current Research in Microbial Sciences*, **2022**, 3, 100132 3.3