

# Antonio Rossi

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

98  
papers

2,811  
citations

22  
h-index

51  
g-index

102  
ext. papers

3,258  
ext. citations

4.4  
avg, IF

4.61  
L-index

| #  | Paper   | IF    | Citations |
|----|---|-------|-----------|
| 98 | Fungal Extracellular Vesicles Are Involved in Intraspecies Intracellular Communication.. <i>MBio</i> , <b>2022</b> , e0327821   | 7.821 | 5         |
| 97 | Transcriptome in Human Mycoses <b>2022</b> , 395-435  |       |           |
| 96 | The bZIP Ap1 transcription factor is a negative regulator of virulence attributes of the anthropophilic dermatophyte <i>Trichophyton rubrum</i> . <i>Current Research in Microbial Sciences</i> , <b>2022</b> , 3, 100132 | 3.3   | 3         |
| 95 | Reassessing the Use of Undecanoic Acid as a Therapeutic Strategy for Treating Fungal Infections. <i>Mycopathologia</i> , <b>2021</b> , 186, 327-340   | 2.9   | 3         |
| 94 | StuA-Regulated Processes in the Dermatophyte : Transcription Profile, Cell-Cell Adhesion, and Immunomodulation. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2021</b> , 11, 643659                        | 5.9   | 1         |
| 93 | State-of-the-Art Dermatophyte Infections: Epidemiology Aspects, Pathophysiology, and Resistance Mechanisms. <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2021</b> , 7,   | 5.6   | 7         |
| 92 | 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> , <b>2020</b> , 51, 1585-1591         | 2.2   | 6         |
| 91 | HacA Governs Virulence Traits and Adaptive Stress Responses in. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 19357  | 5.7   | 8         |
| 90 | The PAC-3 transcription factor critically regulates phenotype-associated genes in <i>Neurospora crassa</i> . <i>Genetics and Molecular Biology</i> , <b>2020</b> , 43, e20190374  | 2     | 2         |
| 89 | Comprehensive analysis of the dermatophyte <i>Trichophyton rubrum</i> transcriptional profile reveals dynamic metabolic modulation. <i>Biochemical Journal</i> , <b>2020</b> , 477, 873-885                               | 3.8   | 11        |
| 88 | The <i>stuA</i> gene controls development, adaptation, stress tolerance, and virulence of the dermatophyte <i>Trichophyton rubrum</i> . <i>Microbiological Research</i> , <b>2020</b> , 241, 126592                       | 5.3   | 5         |
| 87 | Genes coding for LysM domains in the dermatophyte <i>Trichophyton rubrum</i> : A transcription analysis. <i>Medical Mycology</i> , <b>2020</b> , 58, 372-379  | 3.9   | 7         |
| 86 | Global Analysis of Cell Wall Genes Revealed Putative Virulence Factors in the Dermatophyte. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2168   | 5.7   | 9         |
| 85 | Alternative Splicing in Heat Shock Protein Transcripts as a Mechanism of Cell Adaptation in. <i>Cells</i> , <b>2019</b> , 8,  | 7.9   | 11        |
| 84 | The pH Signaling Transcription Factor PAC-3 Regulates Metabolic and Developmental Processes in Pathogenic Fungi. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2076  | 5.7   | 6         |
| 83 | The <i>prp4</i> kinase gene and related spliceosome factor genes in <i>Trichophyton rubrum</i> respond to nutrients and antifungals. <i>Journal of Medical Microbiology</i> , <b>2019</b> , 68, 591-599                   | 3.2   | 7         |
| 82 | Transcriptome-wide survey of gene expression changes and alternative splicing in <i>Trichophyton rubrum</i> in response to undecanoic acid. <i>Scientific Reports</i> , <b>2018</b> , 8, 2520                             | 4.9   | 19        |

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|----|--|-----|----|
| 81 | Dermatophyte Resistance to Antifungal Drugs: Mechanisms and Prospectus. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 1108   | 5.7 | 73 |
| 80 | Terbinafine resistance conferred by multiple copies of the salicylate 1-monooxygenase gene in <i>Trichophyton rubrum</i> . <i>Medical Mycology</i> , <b>2018</b> , 56, 378-381   | 3.9 | 13 |
| 79 | STE20/PAKA Protein Kinase Gene Releases an Autoinhibitory Domain through Pre-mRNA Alternative Splicing in the Dermatophyte. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,                                   | 6.3 | 6  |
| 78 | Extracellular Vesicles From the Dermatophyte Modulate Macrophage and Keratinocyte Functions. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 2343  | 8.4 | 47 |
| 77 | mus-52 disruption and metabolic regulation in <i>Neurospora crassa</i> : Transcriptional responses to extracellular phosphate availability. <i>PLoS ONE</i> , <b>2018</b> , 13, e0195871   | 3.7 | 1  |
| 76 | Deletion of pH Regulator pac-3 Affects Cellulase and Xylanase Activity during Sugarcane Bagasse Degradation by <i>Neurospora crassa</i> . <i>PLoS ONE</i> , <b>2017</b> , 12, e0169796   | 3.7 | 12 |
| 75 | Pathogenesis of Dermatophytosis: Sensing the Host Tissue. <i>Mycopathologia</i> , <b>2017</b> , 182, 215-227   | 2.9 | 60 |
| 74 | 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> , <b>2016</b> , 54, 420-7                                     | 3.9 | 31 |
| 73 | Heat Shock Proteins in Dermatophytes: Current Advances and Perspectives. <i>Current Genomics</i> , <b>2016</b> , 17, 99-111  | 2.6 | 16 |
| 72 | Compensatory expression of multidrug-resistance genes encoding ABC transporters in dermatophytes. <i>Journal of Medical Microbiology</i> , <b>2016</b> , 65, 605-610   | 3.2 | 25 |
| 71 | Pre-mRNA splicing is modulated by antifungal drugs in the filamentous fungus <i>Neurospora crassa</i> . <i>FEBS Open Bio</i> , <b>2016</b> , 6, 358-68   | 2.7 | 13 |
| 70 | 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> , <b>2015</b> , 6, 1241                                | 5.7 | 31 |
| 69 | Comparative metabolism of cellulose, sophorose and glucose in <i>Trichoderma reesei</i> using high-throughput genomic and proteomic analyses. <i>Biotechnology for Biofuels</i> , <b>2014</b> , 7, 41                                | 7.8 | 87 |
| 68 | RNA-sequencing analysis of <i>Trichophyton rubrum</i> transcriptome in response to sublethal doses of acriflavine. <i>BMC Genomics</i> , <b>2014</b> , 15 Suppl 7, S1  | 4.5 | 25 |
| 67 | Transcriptome in Human Mycoses <b>2014</b> , 227-263   |     |    |
| 66 | The <i>Microsporum canis</i> genome is organized into five chromosomes based on evidence from electrophoretic karyotyping and chromosome end mapping. <i>Medical Mycology</i> , <b>2013</b> , 51, 208-13                             | 3.9 | 4  |
| 65 | Ambient pH sensing in filamentous fungi: pitfalls in elucidating regulatory hierarchical signaling networks. <i>IUBMB Life</i> , <b>2013</b> , 65, 930-5   | 4.7 | 19 |
| 64 | Transcriptional profiling of <i>Neurospora crassa</i> <i>hmk-2</i> reveals that mitogen-activated protein kinase MAK-2 participates in the phosphate signaling pathway. <i>Fungal Genetics and Biology</i> , <b>2013</b> , 60, 140-9 | 3.9 | 19 |

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|----|---|-----|-----|
| 63 | Role of pH in the pathogenesis of dermatophytoses. <i>Mycoses</i> , <b>2012</b> , 55, 381-7   | 5.2 | 38  |
| 62 | 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> , <b>2012</b> , 2, 294-7   | 2.7 | 7   |
| 61 | Comparative genome analysis of <i>Trichophyton rubrum</i> and related dermatophytes reveals candidate genes involved in infection. <i>MBio</i> , <b>2012</b> , 3, e00259-12   | 7.8 | 162 |
| 60 | rpb2 is a reliable reference gene for quantitative gene expression analysis in the dermatophyte <i>Trichophyton rubrum</i> . <i>Medical Mycology</i> , <b>2012</b> , 50, 368-77   | 3.9 | 35  |
| 59 | Transcription of <i>Aspergillus nidulans</i> pacC is modulated by alternative RNA splicing of palB. <i>FEBS Letters</i> , <b>2011</b> , 585, 3442-5   | 3.8 | 24  |
| 58 | 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> , <b>2011</b> , 27, 1719-1723 | 4.4 | 9   |
| 57 | Transcription of the Hsp30, Hsp70, and Hsp90 heat shock protein genes is modulated by the PalA protein in response to acid pH-sensing in the fungus <i>Aspergillus nidulans</i> . <i>Cell Stress and Chaperones</i> , <b>2011</b> , 16, 565-72      | 4   | 16  |
| 56 | Isolation of transcripts overexpressed in the human pathogen <i>Trichophyton rubrum</i> grown in lipid as carbon source. <i>Canadian Journal of Microbiology</i> , <b>2011</b> , 57, 333-8  | 3.2 | 8   |
| 55 | Dermatophytes: host-pathogen interaction and antifungal resistance. <i>Anais Brasileiros De Dermatologia</i> , <b>2010</b> , 85, 657-67   | 1.6 | 107 |
| 54 | Transcriptional profiling reveals genes in the human pathogen <i>Trichophyton rubrum</i> that are expressed in response to pH signaling. <i>Microbial Pathogenesis</i> , <b>2010</b> , 48, 91-6   | 3.8 | 32  |
| 53 | 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> , <b>2010</b> , 15, 225-31  | 4   | 13  |
| 52 | 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> , <b>2010</b> , 10, 39  | 4.5 | 44  |
| 51 | Transcriptional changes in the nuc-2A mutant strain of <i>Neurospora crassa</i> cultivated under conditions of phosphate shortage. <i>Microbiological Research</i> , <b>2009</b> , 164, 658-64  | 5.3 | 10  |
| 50 | 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> , <b>2009</b> , 583, 180-4                      | 3.8 | 30  |
| 49 | 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> , <b>2008</b> , 46, 135-9                         | 3.9 | 13  |
| 48 | Identification of genes differentially expressed in a strain of the mold <i>Aspergillus nidulans</i> carrying a loss-of-function mutation in the palA gene. <i>Canadian Journal of Microbiology</i> , <b>2008</b> , 54, 803-11                      | 3.2 | 12  |
| 47 | Antifungal resistance mechanisms in dermatophytes. <i>Mycopathologia</i> , <b>2008</b> , 166, 369-83  | 2.9 | 144 |
| 46 | 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> , <b>2008</b> , 46, 557-65  | 2.4 | 6   |

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|----|--|------|-----|
| 45 | 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> , <b>2007</b> , 269, 196-200   | 2.9  | 15  |
| 44 | The transcription of the gene for iso-ototate decarboxylase (IDCase), an enzyme of the thymidine salvage pathway, is downregulated in the pregc mutant strain of <i>Neurospora crassa</i> grown under phosphate starvation. <i>Canadian Journal of Microbiology</i> , <b>2007</b> , 53, 1011-5 | 3.2  | 10  |
| 43 | The pH signaling transcription factor PacC mediates the growth of <i>Trichophyton rubrum</i> on human nail in vitro. <i>Medical Mycology</i> , <b>2006</b> , 44, 641-5   | 3.9  | 68  |
| 42 | Undecanoic acid resistance in filamentous fungi: identification and linkage mapping of the <i>Aspergillus nidulans</i> udaA gene. <i>Journal of General and Applied Microbiology</i> , <b>2005</b> , 51, 47-9  | 1.5  | 2   |
| 41 | A transcript finishing initiative for closing gaps in the human transcriptome. <i>Genome Research</i> , <b>2004</b> , 14, 1413-23  | 9.7  | 19  |
| 40 | The dermatophyte <i>Trichophyton rubrum</i> secretes an EDTA-sensitive alkaline phosphatase on high-phosphate medium. <i>Brazilian Journal of Microbiology</i> , <b>2003</b> , 34, 161-164   | 2.2  | 18  |
| 39 | Addendum to "The pH-induced glycosylation of secreted phosphatases is mediated in <i>Aspergillus nidulans</i> by the regulatory gene pacC-dependent pathway" [Fungal Genet. Biol. 39 (2003) 286-295]. <i>Fungal Genetics and Biology</i> , <b>2003</b> , 40, 287-8                             | 3.9  | 2   |
| 38 | Mutation in a calpain-like protease affects the posttranslational mannosylation of phosphatases in <i>Aspergillus nidulans</i> . <i>Fungal Genetics and Biology</i> , <b>2003</b> , 38, 220-7  | 3.9  | 15  |
| 37 | 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> , <b>2003</b> , 39, 286-95  | 3.9  | 16  |
| 36 | The adaptive response to ambient pH in <i>Neurospora crassa</i> : Contribution of a model organism to the elucidation of gene expression in eukaryotes. <i>Biochemistry and Molecular Biology Education</i> , <b>2002</b> , 30, 192-195  | 1.3  | 1   |
| 35 | Comparison of the genomes of two <i>Xanthomonas</i> pathogens with differing host specificities. <i>Nature</i> , <b>2002</b> , 417, 459-63   | 50.4 | 934 |
| 34 | 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> , <b>2002</b> , 33,   | 2.2  | 5   |
| 33 | Antifungal Target Selection in <i>Aspergillus nidulans</i> <b>2002</b> , 215-230   |      | 2   |
| 32 | 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> , <b>2001</b> , 56, 255-60  | 5.7  | 15  |
| 31 | The <i>Aspergillus nidulans</i> phsB4 mutation alters colonial growth and development of the mould at acidic pH. <i>World Journal of Microbiology and Biotechnology</i> , <b>2001</b> , 17, 779-782  | 4.4  |     |
| 30 | The <i>Aspergillus nidulans</i> pyrG89 mutation alters glycosylation of secreted acid phosphatase. <i>Fungal Genetics and Biology</i> , <b>2001</b> , 32, 113-20   | 3.9  | 6   |
| 29 | Phenol metabolism by two microorganisms isolated from Amazonian forest soil samples. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2000</b> , 24, 403-409   | 4.2  | 17  |
| 28 | Gene pacA+ 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> , <b>2000</b> , 16, 333-336  | 4.4  | 3   |

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|----|--|-----|----|
| 27 | Salt-tolerant phenol-degrading microorganisms isolated from Amazonian soil samples. <i>Archives of Microbiology</i> , <b>2000</b> , 174, 346-52  | 3   | 73 |
| 26 | 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> , <b>2000</b> , 33, 905-12  | 2.8 | 11 |
| 25 | 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. <i>FEMS Microbiology Letters</i> , <b>1999</b> , 171, 103-6 | 2.9 | 7  |
| 24 | Purification and properties of pi-repressible acid phosphatases from <i>Aspergillus nidulans</i> . <i>Phytochemistry</i> , <b>1998</b> , 49, 1517-1523   | 4   | 22 |
| 23 | The sequence of <i>palF</i> , an environmental pH response gene in <i>Aspergillus nidulans</i> . <i>Gene</i> , <b>1997</b> , 194, 163-7  | 3.8 | 55 |
| 22 | 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> , <b>1997</b> , 13, 609-611                                    | 4.4 | 3  |
| 21 | Properties of a polynucleotide synthesized by strain 74A of <i>Neurospora crassa</i> . <i>Phytochemistry</i> , <b>1996</b> , 41, 345-8   | 4   | 2  |
| 20 | Purification of <i>Neurospora crassa</i> alkaline phosphatase without DNase activity for use in molecular biology. <i>World Journal of Microbiology and Biotechnology</i> , <b>1995</b> , 11, 505-7  | 4.4 | 6  |
| 19 | Purification and constitutive excretion of acid phosphatase in <i>Neurospora crassa</i> . <i>Phytochemistry</i> , <b>1994</b> , 35, 1131-1135  | 4   | 12 |
| 18 | Is the Sense of Pi Levels Abolished in the pregc Strain of the Mold <i>Neurospora crassa</i> ?. <i>Plant and Cell Physiology</i> , <b>1994</b> , 35, 837-840   | 4.9 | 4  |
| 17 | Effect of citrate on radial growth and conidiation of the mould <i>Aspergillus nidulans</i> . <i>World Journal of Microbiology and Biotechnology</i> , <b>1991</b> , 7, 609-12   | 4.4 | 1  |
| 16 | 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> , <b>1990</b> , 66, 51-53   | 2.9 | 20 |
| 15 | Dissociation and catalytic activity of phosphate-repressible alkaline phosphatase from <i>Neurospora crassa</i> . <i>Phytochemistry</i> , <b>1989</b> , 28, 3281-3284  | 4   | 15 |
| 14 | Regulation of synthesis and secretion of acid and alkaline phosphatases in <i>Neurospora crassa</i> . <i>Current Genetics</i> , <b>1987</b> , 11, 521-7  | 2.9 | 19 |
| 13 | Acid phosphatase from maize scutellum: Properties as a function of seed germination. <i>Phytochemistry</i> , <b>1986</b> , 26, 55-58   | 4   | 9  |
| 12 | Effect of phosphate levels on the synthesis of acid phosphatases (EC 3.1.3.2) in <i>Neurospora crassa</i> . <i>Genetical Research</i> , <b>1985</b> , 45, 239-49   | 1.1 | 8  |
| 11 | Properties of a repressible alkaline phosphatase secreted by the wild-type strain 74a of <i>neurospora crassa</i> . <i>Phytochemistry</i> , <b>1984</b> , 23, 507-510  | 4   | 23 |
| 10 | Acid phosphatase from maize scutellum: Negative cooperativity suppression by glucose. <i>Phytochemistry</i> , <b>1983</b> , 22, 1899-1901  | 4   | 5  |

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|---|--|---------|----|
| 9 | Nitrite toxicity in <i>Aspergillus nidulans</i> : a new locus in a proA1 pabaA6 yA2 strain. <i>Genetical Research</i> , <b>1983</b> , 41, 203-7  | 1.1     | 4  |
| 8 | Kinetic properties of acid phosphatase from scutella of germinating maize seeds. <i>Phytochemistry</i> , <b>1982</b> , 21, 1245-1247   | 4       | 2  |
| 7 | Properties of acid phosphatase from scutella of germinating maize seeds. <i>Phytochemistry</i> , <b>1981</b> , 20, 1823-1826   | 2.1     |    |
| 6 | Acid phosphatase from maize scutellum: Succinylation and some kinetic properties of the active enzyme. <i>Phytochemistry</i> , <b>1981</b> , 20, 2481-2482                             | 4       | 4  |
| 5 | Isolation and characterization of an active three-chain molecular species of bovine thrombin. <i>Biochemical Journal</i> , <b>1976</b> , 159, 29-33                                    | 3.8     | 7  |
| 4 | Yeast hexokinase A. Succinylation and properties of the active subunit. <i>FEBS Journal</i> , <b>1975</b> , 59, 423-32   |         | 18 |
| 3 | Conversion of pig prothrombin into thrombin: amino acid composition of the active enzyme. <i>Canadian Journal of Biochemistry</i> , <b>1974</b> , 52, 336-44                           |         | 7  |
| 2 | 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 |         | 2  |
| 1 | Antifungal Target Selection in <i>Aspergillus nidulans</i> : Using Bioinformatics to Make the Difference   | 215-230 | 2  |