

Iran Malavazi

List of Publications by Year in descending order

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98
papers

3,710
citations

186265
28
h-index

149698
56
g-index

105
all docs

105
docs citations

105
times ranked

4284
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomic Islands in the Pathogenic Filamentous Fungus <i>Aspergillus fumigatus</i> . PLoS Genetics, 2008, 4, e1000046.	3.5	473
2	Comparative genomics reveals high biological diversity and specific adaptations in the industrially and medically important fungal genus <i>Aspergillus</i> . Genome Biology, 2017, 18, 28.	8.8	417
3	Functional characterization of the <i>Aspergillus fumigatus</i> CRZ1 homologue, CrzA. Molecular Microbiology, 2008, 67, 1274-1291.	2.5	166
4	Comparative Genomic Analysis of Human Fungal Pathogens Causing Paracoccidioidomycosis. PLoS Genetics, 2011, 7, e1002345.	3.5	164
5	Transcriptome analysis of <i>Aspergillus fumigatus</i> exposed to voriconazole. Current Genetics, 2006, 50, 32-44.	1.7	152
6	In Vitro Evolution of Itraconazole Resistance in <i>Aspergillus fumigatus</i> Involves Multiple Mechanisms of Resistance. Antimicrobial Agents and Chemotherapy, 2004, 48, 4405-4413.	3.2	142
7	Transcriptome analysis of <i>Aspergillus niger</i> grown on sugarcane bagasse. Biotechnology for Biofuels, 2011, 4, 40.	6.2	122
8	Mitogen activated protein kinases SakA ^{HOG1} and MpkC collaborate for <i>Aspergillus fumigatus</i> virulence. Molecular Microbiology, 2016, 100, 841-859.	2.5	110
9	<i>Aspergillus fumigatus</i> MADS-Box Transcription Factor <i>rlmA</i> Is Required for Regulation of the Cell Wall Integrity and Virulence. G3: Genes, Genomes, Genetics, 2016, 6, 2983-3002.	1.8	83
10	The <i>Aspergillus fumigatus</i> sitA Phosphatase Homologue Is Important for Adhesion, Cell Wall Integrity, Biofilm Formation, and Virulence. Eukaryotic Cell, 2015, 14, 728-744.	3.4	66
11	Analysis of the <i>Nicotiana tabacum</i> Stigma/Style Transcriptome Reveals Gene Expression Differences between Wet and Dry Stigma Species. Plant Physiology, 2009, 149, 1211-1230.	4.8	65
12	The <i>Aspergillus fumigatus</i> CrzA Transcription Factor Activates Chitin Synthase Gene Expression during the Caspofungin Paradoxical Effect. MBio, 2017, 8, .	4.1	64
13	Characterization of <i>Aspergillus fumigatus</i> Extracellular Vesicles and Their Effects on Macrophages and Neutrophils Functions. Frontiers in Microbiology, 2019, 10, 2008.	3.5	60
14	Identification of possible targets of the <i>Aspergillus fumigatus</i> CRZ1 homologue, CrzA. BMC Microbiology, 2010, 10, 12.	3.3	58
15	Mitogen-Activated Protein Kinase Cross-Talk Interaction Modulates the Production of Melanins in <i>Aspergillus fumigatus</i> . MBio, 2019, 10, .	4.1	56
16	Farnesol induces the transcriptional accumulation of the <i>Aspergillus nidulans</i> Apoptosis-Inducing Factor (AIF)-like mitochondrial oxidoreductase. Molecular Microbiology, 2008, 70, 44-59.	2.5	54
17	Cdc42p controls yeast-cell shape and virulence of <i>Paracoccidioides brasiliensis</i> . Fungal Genetics and Biology, 2009, 46, 919-926.	2.1	54
18	Gene Disruption in <i>Aspergillus fumigatus</i> Using a PCR-Based Strategy and In Vivo Recombination in Yeast. Methods in Molecular Biology, 2012, 845, 99-118.	0.9	52

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19	Analyses of the three 1-Cys Peroxiredoxins from <i>Aspergillus fumigatus</i> reveal that cytosolic Prx1 is central to H ₂ O ₂ metabolism and virulence. <i>Scientific Reports</i> , 2018, 8, 12314.	3.3	52
20	The <i>Aspergillus fumigatus</i> pkcAG579R Mutant Is Defective in the Activation of the Cell Wall Integrity Pathway but Is Dispensable for Virulence in a Neutropenic Mouse Infection Model. <i>PLoS ONE</i> , 2015, 10, e0135195.	2.5	51
21	Extracellular vesicles carry cellulases in the industrial fungus <i>Trichoderma reesei</i> . <i>Biotechnology for Biofuels</i> , 2019, 12, 146.	6.2	51
22	The importance of connections between the cell wall integrity pathway and the unfolded protein response in filamentous fungi. <i>Briefings in Functional Genomics</i> , 2014, 13, 456-470.	2.7	50
23	Effects of low level laser therapy on inflammatory and angiogenic gene expression during the process of bone healing: A microarray analysis. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 154, 8-15.	3.8	50
24	Transcription profile of <i>Trichophyton rubrum</i> conidia grown on keratin reveals the induction of an adhesin-like protein gene with a tandem repeat pattern. <i>BMC Genomics</i> , 2016, 17, 249.	2.8	36
25	Involvement of the <i>Aspergillus nidulans</i> protein kinase C with farnesol tolerance is related to the unfolded protein response. <i>Molecular Microbiology</i> , 2010, 78, 1259-1279.	2.5	35
26	Antibacterial and photocatalytic activity of ZnO nanoparticles from Zn(OH) ₂ dehydrated by azeotropic distillation, freeze drying, and ethanol washing. <i>Advanced Powder Technology</i> , 2017, 28, 463-472.	4.1	35
27	Improvement of Brazilian bioethanol production “Challenges and perspectives on the identification and genetic modification of new strains of <i>Saccharomyces cerevisiae</i> yeasts isolated during ethanol process. <i>Fungal Biology</i> , 2018, 122, 583-591.	2.5	35
28	Effects of low-level laser therapy on the expression of osteogenic genes during the initial stages of bone healing in rats: a microarray analysis. <i>Lasers in Medical Science</i> , 2015, 30, 2325-2333.	2.1	34
29	<i>Aspergillus fumigatus</i> calcium-responsive transcription factors regulate cell wall architecture promoting stress tolerance, virulence and caspofungin resistance. <i>PLoS Genetics</i> , 2019, 15, e1008551.	3.5	34
30	Protein Kinase A and High-Osmolarity Glycerol Response Pathways Cooperatively Control Cell Wall Carbohydrate Mobilization in <i>Aspergillus fumigatus</i> . <i>MBio</i> , 2018, 9, .	4.1	33
31	Regulation of Hyphal Morphogenesis and the DNA Damage Response by the <i>Aspergillus nidulans</i> ATM Homolog AtmA. <i>Genetics</i> , 2006, 173, 99-109.	2.9	30
32	The roles played by <i>Aspergillus nidulans</i> apoptosis-inducing factor (AIF)-like mitochondrial oxidoreductase (AifA) and NADH-ubiquinone oxidoreductases (NdeA-B and NdiA) in farnesol resistance. <i>Fungal Genetics and Biology</i> , 2010, 47, 1055-1069.	2.1	29
33	<i>Aspergillus fumigatus</i> Transcription Factors Involved in the Caspofungin Paradoxical Effect. <i>MBio</i> , 2020, 11, .	4.1	29
34	Transcriptome analysis and molecular studies on sulfur metabolism in the human pathogenic fungus <i>Paracoccidioides brasiliensis</i> . <i>Molecular Genetics and Genomics</i> , 2006, 276, 450-463.	2.1	27
35	Transcriptomic and molecular genetic analysis of the cell wall salvage response of <i>Aspergillus niger</i> to the absence of galactofuranose synthesis. <i>Cellular Microbiology</i> , 2016, 18, 1268-1284.	2.1	27
36	Transcriptome Analysis of <i>Aspergillus nidulans</i> Exposed to Camptothecin-Induced DNA Damage. <i>Eukaryotic Cell</i> , 2006, 5, 1688-1704.	3.4	26

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37	Characterization of KPC-Producing <i>Serratia marcescens</i> in an Intensive Care Unit of a Brazilian Tertiary Hospital. <i>Frontiers in Microbiology</i> , 2020, 11, 956.	3.5	26
38	The <i>csnD/csnE</i> Signalosome Genes Are Involved in the <i>Aspergillus nidulans</i> DNA Damage Response. <i>Genetics</i> , 2005, 171, 1003-1015.	2.9	23
39	Transcriptional profiling of Brazilian <i>Saccharomyces cerevisiae</i> strains selected for semi-continuous fermentation of sugarcane must. <i>FEMS Yeast Research</i> , 2013, 13, 277-290.	2.3	23
40	The <i>Aspergillus nidulans</i> Pyruvate Dehydrogenase Kinases Are Essential To Integrate Carbon Source Metabolism. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 2445-2463.	1.8	23
41	The dynamics and role of sphingolipids in eukaryotic organisms upon thermal adaptation. <i>Progress in Lipid Research</i> , 2020, 80, 101063.	11.6	22
42	Phenotypic analysis of genes whose mRNA accumulation is dependent on calcineurin in <i>Aspergillus fumigatus</i> . <i>Fungal Genetics and Biology</i> , 2009, 46, 791-802.	2.1	21
43	The Cell Wall Integrity Pathway Contributes to the Early Stages of <i>Aspergillus fumigatus</i> Asexual Development. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	20
44	<i>Aspergillus fumigatus</i> Hsp90 interacts with the main components of the cell wall integrity pathway and cooperates in heat shock and cell wall stress adaptation. <i>Cellular Microbiology</i> , 2021, 23, e13273.	2.1	20
45	The <i>Aspergillus nidulans</i> <i>npkA</i> Gene Encodes a Cdc2-Related Kinase That Genetically Interacts With the <i>UvsB</i> Kinase. <i>Genetics</i> , 2004, 167, 1629-1641.	2.9	19
46	Transcriptional profiling of <i>Saccharomyces cerevisiae</i> exposed to propolis. <i>BMC Complementary and Alternative Medicine</i> , 2012, 12, 194.	3.7	19
47	Global analysis of erythroid cells redox status reveals the involvement of Prdx1 and Prdx2 in the severity of beta thalassemia. <i>PLoS ONE</i> , 2018, 13, e0208316.	2.5	19
48	Acidic Dressing Based on Agarose/Cs _{2.5} H _{0.5} PW ₁₂ O ₄₀ Nanocomposite for Infection Control in Wound Care. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 30963-30972.	8.0	19
49	Physiological characterization of a new thermotolerant yeast strain isolated during Brazilian ethanol production, and its application in high-temperature fermentation. <i>Biotechnology for Biofuels</i> , 2020, 13, 178.	6.2	19
50	Transcriptome analysis of the <i>Aspergillus nidulans</i> <i>AtmA</i> (ATM, Ataxia-Telangiectasia mutated) null mutant. <i>Molecular Microbiology</i> , 2007, 66, 74-99.	2.5	17
51	Functional characterization of the <i>Aspergillus nidulans</i> methionine sulfoxide reductases (<i>msrA</i> and <i>Tj ETQq1</i>). <i>Overlook</i>	2.1	17
52	Functional characterization of the <i>Aspergillus fumigatus</i> <i>PHO80</i> homologue. <i>Fungal Genetics and Biology</i> , 2008, 45, 1135-1146.	2.1	16
53	Evaluation of the bone healing process in an experimental tibial bone defect model in ovariectomized rats. <i>Aging Clinical and Experimental Research</i> , 2014, 26, 473-481.	2.9	16
54	Abnormalities in apolipoprotein and lipid levels in an HIV-infected Brazilian population under different treatment profiles: the relevance of apolipoprotein E genotypes and immunological status. <i>Clinical Chemistry and Laboratory Medicine</i> , 2004, 42, 525-32.	2.3	15

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55	Exercise and Omentin: Their Role in the Crosstalk Between Muscle and Adipose Tissues in Type 2 Diabetes Mellitus Rat Models. <i>Frontiers in Physiology</i> , 2019, 9, 1881.	2.8	15
56	The AGC Kinase YpkA Regulates Sphingolipids Biosynthesis and Physically Interacts With SakA MAP Kinase in <i>Aspergillus fumigatus</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 3347.	3.5	15
57	Heterogeneity in the transcriptional response of the human pathogen <i>Aspergillus fumigatus</i> to the antifungal agent caspofungin. <i>Genetics</i> , 2022, 220, .	2.9	15
58	Low-level laser therapy induces an upregulation of collagen gene expression during the initial process of bone healing: a microarray analysis. <i>Journal of Biomedical Optics</i> , 2016, 21, 088001.	2.6	14
59	Porous poly (D,L -lactide-co-glycolide) acid/biosilicate Â® composite scaffolds for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017, 105, 63-71.	3.4	14
60	Monitoring H ₂ O ₂ inside <i>Aspergillus fumigatus</i> with an Integrated Microelectrode: The Role of Peroxiredoxin Protein Prx1. <i>Analytical Chemistry</i> , 2018, 90, 2587-2593.	6.5	14
61	The Influence of Genetic Stability on <i>Aspergillus fumigatus</i> Virulence and Azole Resistance. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 265-278.	1.8	14
62	The Heat Shock Transcription Factor HsfA Is Essential for Thermotolerance and Regulates Cell Wall Integrity in <i>Aspergillus fumigatus</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 656548.	3.5	14
63	Genetic Interactions of the <i>Aspergillus nidulans</i> atmA ATM Homolog With Different Components of the DNA Damage Response Pathway. <i>Genetics</i> , 2008, 178, 675-691.	2.9	13
64	Molecular characterization of the <i>Aspergillus fumigatus</i> NCS-1 homologue, NcsA. <i>Molecular Genetics and Genomics</i> , 2008, 280, 483-95.	2.1	11
65	<i>Aspergillus fumigatus</i> G-Protein Coupled Receptors GprM and GprJ Are Important for the Regulation of the Cell Wall Integrity Pathway, Secondary Metabolite Production, and Virulence. <i>MBio</i> , 2020, 11, .	4.1	11
66	<i>Aspergillus nidulans</i> uvsB ATR and scaA NBS1 Genes Show Genetic Interactions during Recovery from Replication Stress and DNA Damage. <i>Eukaryotic Cell</i> , 2005, 4, 1239-1252.	3.4	10
67	Digestion of Intact Gluten Proteins by Bifidobacterium Species: Reduction of Cytotoxicity and Proinflammatory Responses. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 4485-4492.	5.2	10
68	Novel Biological Functions of the NsdC Transcription Factor in <i>Aspergillus fumigatus</i> . <i>MBio</i> , 2021, 12, .	4.1	10
69	Transcription regulation of the Pbgp43 gene by nitrogen in the human pathogen <i>Paracoccidioides brasiliensis</i> . <i>Fungal Genetics and Biology</i> , 2009, 46, 85-93.	2.1	9
70	Trans-chalcone activity against <i>Trichophyton rubrum</i> relies on an interplay between signaling pathways related to cell wall integrity and fatty acid metabolism. <i>BMC Genomics</i> , 2019, 20, 411.	2.8	9
71	The <i>Aspergillus nidulans</i> sldIRAD50 gene interacts with bimEAPC1, a homologue of an anaphase-promoting complex subunit. <i>Molecular Microbiology</i> , 2005, 57, 222-237.	2.5	8
72	Draft Genome Sequence of the Fungus <i>Penicillium brasilianum</i> (Strain LaBioMMi 136), a Plant Endophyte from <i>Melia azedarach</i> . <i>Microbiology Resource Announcements</i> , 2018, 7, .	0.6	8

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73	The <i>Aspergillus fumigatus</i> Mucin MsbA Regulates the Cell Wall Integrity Pathway and Controls Recognition of the Fungus by the Immune System. <i>MSphere</i> , 2019, 4, .	2.9	8
74	Perylenequinones production induced by co-culturing <i>Setophoma</i> sp. and <i>Penicillium brasilianum</i> . <i>Phytochemistry Letters</i> , 2020, 40, 76-83.	1.2	8
75	High-Intensity Interval Training Does Not Change Vaspin and Omentin and Does Not Reduce Visceral Adipose Tissue in Obese Rats. <i>Frontiers in Physiology</i> , 2021, 12, 564862.	2.8	8
76	Global gene expression reveals an increase of HMGB1 and APEX1 proteins and their involvement in oxidative stress, apoptosis and inflammation pathways among beta-thalassaemia intermedia and major phenotypes. <i>British Journal of Haematology</i> , 2019, 186, 608-619.	2.5	7
77	Evaluation of argyrophilic nucleolar organizer regions in oral tumor progression. <i>Micron</i> , 2002, 33, 605-608.	2.2	6
78	Combating pathogens with Cs _{2.5} H _{0.5} PW ₁₂ O ₄₀ nanoparticles: a new proton-regulated antimicrobial agent. <i>Journal of Materials Chemistry B</i> , 2018, 6, 143-152.	5.8	6
79	PDMS-urethanesil hybrid multifunctional materials: combining CO ₂ use and sol-gel processing. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 95, 693-709.	2.4	6
80	Metals addition for enhanced hydrogen, acetic and butyric acids production from cellulosic substrates by <i>Clostridium butyricum</i> . <i>Biomass and Bioenergy</i> , 2021, 150, 105679.	5.7	6
81	Identification and selection of a new <i>Saccharomyces cerevisiae</i> strain isolated from Brazilian ethanol fermentation process for application in beer production. <i>Food Microbiology</i> , 2022, 103, 103958.	4.2	6
82	<i>Aspergillus</i> : Genomics of a Cosmopolitan Fungus. <i>Soil Biology</i> , 2013, , 89-126.	0.8	4
83	Dietary Intervention, When Not Associated With Exercise, Upregulates Irisin/FNDC5 While Reducing Visceral Adiposity Markers in Obese Rats. <i>Frontiers in Physiology</i> , 2021, 12, 564963.	2.8	4
84	Overview of the Interplay Between Cell Wall Integrity Signaling Pathways and Membrane Lipid Biosynthesis in Fungi: Perspectives for <i>Aspergillus fumigatus</i> . <i>Current Protein and Peptide Science</i> , 2020, 21, 265-283.	1.4	4
85	Functional characterization of the putative <i>Aspergillus nidulans</i> DNA damage binding protein homologue DdbA. <i>Molecular Genetics and Genomics</i> , 2008, 279, 239-253.	2.1	3
86	Polypyridyl iron(III) complexes containing long alkyl chains: synthesis, characterization, DFT calculations and biological activity. <i>New Journal of Chemistry</i> , 2021, 45, 12902-12914.	2.8	2
87	The <i>Penicillium brasilianum</i> Histone Deacetylase Clr3 Regulates Secondary Metabolite Production and Tolerance to Oxidative Stress. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 514.	3.5	2
88	The beta-chemokines MIP-1alpha and RANTES and lipoprotein metabolism in HIV-infected brazilian patients. <i>Brazilian Journal of Infectious Diseases</i> , 2005, 9, 315-23.	0.6	1
89	A reliable measure of similarity based on dependency for short time series: an application to gene expression networks. <i>BMC Bioinformatics</i> , 2009, 10, 270.	2.6	1
90	Expression profiles of neotropical termites reveal microbiota-associated, caste-biased genes and biotechnological targets. <i>Insect Molecular Biology</i> , 2021, 30, 152-164.	2.0	1

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91	Transcriptional Control of the Production of <i>Aspergillus fumigatus</i> Conidia-Borne Secondary Metabolite Fumiquinazoline C Important for Phagocytosis Protection. <i>Genetics</i> , 2021, 218, .	2.9	1
92	Identification of a New Endo- β -1,4-xylanase Prospected from the Microbiota of the Termite <i>Heterotermes tenuis</i> . <i>Microorganisms</i> , 2022, 10, 906.	3.6	1
93	Morphogenesis in <i>Paracoccidioides brasiliensis</i> . <i>Topics in Current Genetics</i> , 2012, , 163-196.	0.7	0
94	<i>Aspergillus Fumigatus</i> ZnfA, a Novel Zinc Finger Transcription Factor Involved in Calcium Metabolism and Caspofungin Tolerance. <i>Frontiers in Fungal Biology</i> , 2021, 2, .	2.0	0
95	The Regulatory Function of the Molecular Chaperone Hsp90 in the Cell Wall Integrity of Pathogenic Fungi. <i>Current Proteomics</i> , 2018, 16, 44-53.	0.3	0
96	Title is missing!. , 2019, 15, e1008551.		0
97	Title is missing!. , 2019, 15, e1008551.		0
98	Title is missing!. , 2019, 15, e1008551.		0