

AndrÃ Rodrigues

List of Publications by Year in descending order

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104
papers

2,951
citations

186265

28
h-index

206112

48
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106
all docs

106
docs citations

106
times ranked

2963
citing authors

#	ARTICLE	IF	CITATIONS
1	Yeasts in the attine ant–fungus mutualism: Diversity, functional roles, and putative biotechnological applications. <i>Yeast</i> , 2022, 39, 25-39.	1.7	12
2	Escovopsioides nivea is a non-specific antagonistic symbiont of ant-fungal crops. <i>Fungal Ecology</i> , 2022, 56, 101140.	1.6	1
3	Yeasts associated with the worker caste of the leaf-cutting ant <i>Atta cephalotes</i> under experimental conditions in Colombia. <i>Archives of Microbiology</i> , 2022, 204, 284.	2.2	0
4	Lessons From Insect Fungiculture: From Microbial Ecology to Plastics Degradation. <i>Frontiers in Microbiology</i> , 2022, 13, .	3.5	5
5	Distinct and enhanced hygienic responses of a leaf-cutting ant toward repeated fungi exposures. <i>Ecology and Evolution</i> , 2022, 12, .	1.9	2
6	Complementary Contribution of Fungi and Bacteria to Lignocellulose Digestion in the Food Stored by a Neotropical Higher Termite. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	9
7	Host Susceptibility Modulates Escovopsis Pathogenic Potential in the Fungiculture of Higher Attine Ants. <i>Frontiers in Microbiology</i> , 2021, 12, 673444.	3.5	9
8	Fungi inhabiting attine ant colonies: reassessment of the genus <i>Escovopsis</i> and description of <i>Luteomyces</i> and <i>Symphodiorosea</i> gens. nov.. <i>IMA Fungus</i> , 2021, 12, 23.	3.8	8
9	Î-glucosidase from thermophilic fungus <i>Thermoascus crustaceus</i> : production and industrial potential. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20191349.	0.8	18
10	Climate Change Influences Basidiome Emergence of Leaf-Cutting Ant Cultivars. <i>Journal of Fungi (Basel)</i> , 2022, 8, 1020. https://doi.org/10.3390/jof8071020	3.5	2
11	Fungus-growing insects host a distinctive microbiota apparently adapted to the fungiculture environment. <i>Scientific Reports</i> , 2020, 10, 12384.	3.3	31
12	How Do Leaf-Cutting Ants Recognize Antagonistic Microbes in Their Fungal Crops?. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	20
13	A novel lipolytic yeast <i>Meyerozyma guilliermondii</i> : Efficient and low-cost production of acid and promising feed lipase using cheese whey. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 24, 101565.	3.1	21
14	Lack of fungal cultivar fidelity and low virulence of <i>Escovopsis trichodermoides</i> . <i>Fungal Ecology</i> , 2020, 45, 100944.	1.6	6
15	Antifungal compounds with anticancer potential from <i>Trichoderma</i> sp. P8BDA1F1, an endophytic fungus from <i>Begonia venosa</i> . <i>Brazilian Journal of Microbiology</i> , 2020, 51, 989-997.	2.0	13
16	Fungi from Admiralty Bay (King George Island, Antarctica) Soils and Marine Sediments. <i>Microbial Ecology</i> , 2019, 77, 12-24.	2.8	53
17	High cellulolytic activities in filamentous fungi isolated from an extreme oligotrophic subterranean environment (Catão cave) in Brazil. <i>Anais Da Academia Brasileira De Ciencias</i> , 2019, 91, e20180583.	0.8	16
18	The molecular phylogenetics of <i>Trachymyrmex</i> Forel ants and their fungal cultivars provide insights into the origin and coevolutionary history of higher-attine ant agriculture. <i>Systematic Entomology</i> , 2019, 44, 939-956.	3.9	50

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19	Fungal communities in different aged leaves of <i>Eucalyptus microcorys</i> F. Muell. <i>Revista Brasileira De Botanica</i> , 2019, 42, 499-508.	1.3	3
20	More pieces to a huge puzzle: Two new <i>Escovopsis</i> species from fungus gardens of attine ants. <i>MycKeys</i> , 2019, 46, 97-118.	1.9	8
21	<i>Escovopsis kreiselii</i> specialization to its native hosts in the fungiculture of the lower attine ant <i>Mycetophylax morschi</i> . <i>Antonie Van Leeuwenhoek</i> , 2019, 112, 305-317.	1.7	9
22	Ecology of Thermophilic Fungi. , 2019, , 39-57.		14
23	Diversity of endophytic fungi in <i>Eucalyptus microcorys</i> assessed by complementary isolation methods. <i>Mycological Progress</i> , 2018, 17, 719-727.	1.4	18
24	The potential of compounds isolated from <i>Xylaria</i> spp. as antifungal agents against anthracnose. <i>Brazilian Journal of Microbiology</i> , 2018, 49, 840-847.	2.0	33
25	Genome mining for peptidases in heat-tolerant and mesophilic fungi and putative adaptations for thermostability. <i>BMC Genomics</i> , 2018, 19, 152.	2.8	14
26	Cold-adapted enzymes produced by fungi from terrestrial and marine Antarctic environments. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 600-619.	9.0	106
27	Fungal Endophyte Communities in <i>Begonia</i> Species from the Brazilian Atlantic Rainforest. <i>Current Microbiology</i> , 2018, 75, 441-449.	2.2	11
28	Antimicrobial activity of crude extracts of endophytic fungi from <i>Oryctanthus alveolatus</i> (Kunth) Kujit (Mistletoe). <i>African Journal of Microbiology Research</i> , 2018, 12, 263-268.	0.4	7
29	Production of cold-adapted enzymes by filamentous fungi from King George Island, Antarctica. <i>Polar Biology</i> , 2018, 41, 2511-2521.	1.2	28
30	<i>Escovopsioides</i> as a fungal antagonist of the fungus cultivated by leafcutter ants. <i>BMC Microbiology</i> , 2018, 18, 130.	3.3	6
31	Soluble Compounds of Filamentous Fungi Harm the Symbiotic Fungus of Leafcutter Ants. <i>Current Microbiology</i> , 2018, 75, 1602-1608.	2.2	7
32	Cellulases and xylanases production by endophytic fungi by solid state fermentation using lignocellulosic substrates and enzymatic saccharification of pretreated sugarcane bagasse. <i>Industrial Crops and Products</i> , 2018, 122, 66-75.	5.2	91
33	An antifungal polyketide associated with horizontally acquired genes supports symbiont-mediated defense in <i>Lagria villosa</i> beetles. <i>Nature Communications</i> , 2018, 9, 2478.	12.8	86
34	Biology of the relict fungus-farming ant <i>Apterostigma megacephala</i> Lattke, including descriptions of the male, gyne, and larva. <i>Insectes Sociaux</i> , 2017, 64, 329-346.	1.2	8
35	Antibiotic-producing symbionts dynamically transition between plant pathogenicity and insect-defensive mutualism. <i>Nature Communications</i> , 2017, 8, 15172.	12.8	152
36	Nature of the interactions between hypocrealean fungi and the mutualistic fungus of leaf-cutter ants. <i>Antonie Van Leeuwenhoek</i> , 2017, 110, 593-605.	1.7	19

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37	Biogeography of mutualistic fungi cultivated by leafcutter ants. <i>Molecular Ecology</i> , 2017, 26, 6921-6937.	3.9	49
38	Pathogenic nature of <i>Syncephalastrum</i> in <i>Atta sexdens rubropilosa</i> fungus gardens. <i>Pest Management Science</i> , 2017, 73, 999-1009.	3.4	18
39	Biochemical properties and evaluation of washing performance in commercial detergent compatibility of two collagenolytic serine peptidases secreted by <i>Aspergillus fischeri</i> and <i>Penicillium citrinum</i> . <i>Preparative Biochemistry and Biotechnology</i> , 2017, 47, 282-290.	1.9	14
40	<i>Trichoderma asperelloides</i> Spores Downregulate dectin1/2 and TLR2 Receptors of Mice Macrophages and Decrease <i>Candida parapsilosis</i> Phagocytosis Independent of the M1/M2 Polarization. <i>Frontiers in Microbiology</i> , 2017, 8, 1681.	3.5	13
41	Production and Catalytic Properties of Amylases from <i>Lichtheimia ramosa</i> and <i>Thermoascus aurantiacus</i> by Solid-State Fermentation. <i>Scientific World Journal</i> , The, 2016, 2016, 1-10.	2.1	19
42	Bacterial microbiomes from vertically transmitted fungal inocula of the leaf-cutting ant <i>Atta texana</i> . <i>Environmental Microbiology Reports</i> , 2016, 8, 630-640.	2.4	50
43	Applications and Benefits of Thermophilic Microorganisms and Their Enzymes for Industrial Biotechnology. <i>Fungal Biology</i> , 2016, , 459-492.	0.6	26
44	Evaluation of the catalytic specificity, biochemical properties, and milk clotting abilities of an aspartic peptidase from <i>Rhizomucor miehei</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 1059-1069.	3.0	30
45	Prevalence of the genus <i>Cladosporium</i> on the integument of leaf-cutting ants characterized by 454 pyrosequencing. <i>Antonie Van Leeuwenhoek</i> , 2016, 109, 1235-1243.	1.7	6
46	<i>Hawksworthiomyces</i> gen. nov. (Ophiostomatales), illustrates the urgency for a decision on how to name novel taxa known only from environmental nucleic acid sequences (ENAS). <i>Fungal Biology</i> , 2016, 120, 1323-1340.	2.5	44
47	Filamentous Fungi Isolates of Contaminated Sediment in the Amazon Region with the Potential for Benzo(a)pyrene Degradation. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	12
48	Comparative analysis of fungal communities in colonies of two leaf-cutting ant species with different substratum preferences. <i>Fungal Ecology</i> , 2016, 21, 68-75.	1.6	22
49	Marine-derived fungus <i>Aspergillus</i> cf. <i>tubingensis</i> LAMAI 31: a new genetic resource for xylanase production. <i>AMB Express</i> , 2016, 6, 25.	3.0	20
50	Unraveling <i>Trichoderma</i> species in the attine ant environment: description of three new taxa. <i>Antonie Van Leeuwenhoek</i> , 2016, 109, 633-651.	1.7	37
51	Fungal communities in pressmud composting harbour beneficial and detrimental fungi for human welfare. <i>Microbiology (United Kingdom)</i> , 2016, 162, 1147-1156.	1.8	17
52	Terrestrial filamentous fungi from Gruta do Catão (São Desidário, Bahia, Northeastern Brazil) show high levels of cellulose degradation. <i>Journal of Cave and Karst Studies</i> , 2016, 78, 208-217.	0.6	10
53	New Light on the Systematics of Fungi Associated with Attine Ant Gardens and the Description of <i>Escovopsis kreiselii</i> sp. nov.. <i>PLoS ONE</i> , 2015, 10, e0112067.	2.5	18
54	Fungal communities in gardens of the leafcutter ant <i>Atta cephalotes</i> in forest and cabruca agrosystems of southern Bahia State (Brazil). <i>Fungal Biology</i> , 2015, 119, 1170-1178.	2.5	17

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55	Thermophilic fungi as new sources for production of cellulases and xylanases with potential use in sugarcane bagasse saccharification. <i>Journal of Applied Microbiology</i> , 2015, 118, 928-939.	3.1	87
56	<i>Escovopsis trichodermoides</i> sp. nov., isolated from a nest of the lower attine ant <i>Mycocepurus goeldii</i> . <i>Antonie Van Leeuwenhoek</i> , 2015, 107, 731-740.	1.7	20
57	Pectinases From <i>Sphenophorus levis</i> Vaurie, 1978 (Coleoptera: Curculionidae): Putative Accessory Digestive Enzymes. <i>Journal of Insect Science</i> , 2015, 15, 5-5.	1.5	23
58	Shared <i>Escovopsis</i> parasites between leaf-cutting and non-leaf-cutting ants in the higher attine fungus-growing ant symbiosis. <i>Royal Society Open Science</i> , 2015, 2, 150257.	2.4	23
59	Thermophilic fungi in the new age of fungal taxonomy. <i>Extremophiles</i> , 2015, 19, 31-37.	2.3	53
60	Absence of the Parasite <i>Escovopsis</i> in Fungus Garden Pellets Carried by Gynes of <i>Atta sexdens</i> . <i>Sociobiology</i> , 2015, 62, .	0.5	4
61	Determination of Specificity and Biochemical Characteristics of Neutral Protease Isolated from <i>Myceliophthora thermophila</i> . <i>Protein and Peptide Letters</i> , 2015, 22, 972-982.	0.9	8
62	<i>Starmerella aceti</i> f.a., sp. nov., an ascomycetous yeast species isolated from fungus garden of the leafcutter ant <i>Acromyrmex balzani</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 1428-1433.	1.7	19
63	<i>Wickerhamiella kiyanii</i> f.a., sp. nov. and <i>Wickerhamiella fructicola</i> f.a., sp. nov., two yeasts isolated from native plants of Atlantic rainforest in Brazil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 2152-2158.	1.7	8
64	Broad <i>Escovopsis</i> inhibition activity of <i>Pseudonocardia</i> associated with <i>Tetrahymena</i> <i>rachymyrmex</i> ants. <i>Environmental Microbiology Reports</i> , 2014, 6, 339-345.	2.4	14
65	Yeasts found on an ephemeral reproductive caste of the leaf-cutting ant <i>Atta sexdens rubropilosa</i> . <i>Antonie Van Leeuwenhoek</i> , 2014, 106, 475-487.	1.7	27
66	Fungal communities in the garden chamber soils of leaf-cutting ants. <i>Journal of Basic Microbiology</i> , 2014, 54, 1186-1196.	3.3	27
67	Assessment of fungi in soils of sugarcane crops and their potential for production of biomass-degrading enzymes. <i>African Journal of Microbiology Research</i> , 2014, 8, 3751-3760.	0.4	3
68	Effect of initial moisture content on two Amazon rainforest <i>Aspergillus</i> strains cultivated on agro-industrial residues: Biomass-degrading enzymes production and characterization. <i>Industrial Crops and Products</i> , 2013, 42, 236-242.	5.2	98
69	Filamentous fungi vectored by ants (Hymenoptera: Formicidae) in a public hospital in north-eastern Brazil. <i>Journal of Hospital Infection</i> , 2013, 83, 200-204.	2.9	15
70	Microbial culture collections as pillars for promoting fungal diversity, conservation and exploitation. <i>Fungal Genetics and Biology</i> , 2013, 60, 2-8.	2.1	21
71	A metabolic pathway assembled by enzyme selection may support herbivory of leaf-cutter ants on plant starch. <i>Journal of Insect Physiology</i> , 2013, 59, 525-531.	2.0	14
72	Intraspecific variation and emendation of <i>Hannaella kunmingensis</i> . <i>Mycological Progress</i> , 2013, 12, 157-165.	1.4	6

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73	Anti- <i>Candida</i> Properties of Urauchimycins from Actinobacteria Associated with <i>Trachymyrmex</i> Ants. <i>BioMed Research International</i> , 2013, 2013, 1-8.	1.9	13
74	Isolation, identification and characterization of a novel high level β -glucosidase-producing <i>Lichtheimia ramosa</i> strain. <i>Biocatalysis and Agricultural Biotechnology</i> , 2013, 2, 377-384.	3.1	29
75	Taxonomic studies on <i>Mucor inaequisporus</i> ; isolated for the first time in South America. <i>Mycotaxon</i> , 2013, 124, 219-229.	0.3	4
76	Production and partial characterization of serine and metallo peptidases secreted by <i>Aspergillus fumigatus</i> Fresenius in submerged and solid state fermentation. <i>Brazilian Journal of Microbiology</i> , 2013, 44, 235-243.	2.0	28
77	Specialized Fungal Parasites and Opportunistic Fungi in Gardens of Attine Ants. <i>Psyche: Journal of Entomology</i> , 2012, 2012, 1-9.	0.9	22
78	Generation of Nutrients and Detoxification: Possible Roles of Yeasts in Leaf-Cutting Ant Nests. <i>Insects</i> , 2012, 3, 228-245.	2.2	22
79	Selection of thermophilic and thermotolerant fungi for the production of cellulases and xylanases under solid-state fermentation. <i>Brazilian Journal of Microbiology</i> , 2012, 43, 1062-1071.	2.0	77
80	Using Amazon forest fungi and agricultural residues as a strategy to produce cellulolytic enzymes. <i>Biomass and Bioenergy</i> , 2012, 37, 243-250.	5.7	102
81	Selection of thermophilic and thermotolerant fungi for the production of cellulases and xylanases under solid-state fermentation. <i>Brazilian Journal of Microbiology</i> , 2012, 43, 1062-71.	2.0	29
82	Xylarenones from an Endophytic Fungus Isolated from <i>Alibertia macrophylla</i> . <i>Journal of Natural Products</i> , 2011, 74, 1353-1357.	3.0	16
83	Nesting Biology and Fungiculture of the Fungus-Growing Ant, <i>Mycetogroicus cerradensis</i> : New Light on the Origin of Higher Attine Agriculture. <i>Journal of Insect Science</i> , 2011, 11, 1-14.	1.5	18
84	Filamentous fungi found in <i>Atta sexdens rubropilosa</i> colonies after treatment with different toxic bait formulations. <i>Journal of Applied Entomology</i> , 2011, 135, 326-331.	1.8	10
85	Ecology of microfungal communities in gardens of fungus-growing ants (Hymenoptera: Formicidae): a year-long survey of three species of attine ants in Central Texas. <i>FEMS Microbiology Ecology</i> , 2011, 78, 244-255.	2.7	81
86	Preliminary List of Microfungi Found in <i>Paratrechina longicornis</i> (Hymenoptera: Formicidae). <i>Florida Entomologist</i> , 2010, 93, 651-653.	0.5	6
87	Production, partial characterization, and immobilization in alginate beads of an alkaline protease from a new thermophilic fungus <i>Myceliophthora</i> sp.. <i>Journal of Microbiology</i> , 2010, 48, 331-336.	2.8	37
88	Fungal diversity associated with Brazilian energy transmission towers. <i>Fungal Diversity</i> , 2010, 44, 53-63.	12.3	19
89	Investigation of Liquid and Solid Fermentation Processes of the Fungus <i>Aspergillus fumigatus</i> for Protease Production. <i>Journal of Biotechnology</i> , 2010, 150, 419-419.	3.8	1
90	Filamentous fungi found on foundress queens of leaf-cutting ants (Hymenoptera: Formicidae). <i>Journal of Applied Entomology</i> , 2010, 134, 342-345.	1.8	13

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91	Yeasts isolated from a fungus-growing ant nest, including the description of <i>Trichosporon chiarellii</i> sp. nov., an anamorphic basidiomycetous yeast. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 1454-1459.	1.7	47
92	Monoculture of Leafcutter Ant Gardens. <i>PLoS ONE</i> , 2010, 5, e12668.	2.5	60
93	Antagonistic interactions between garden yeasts and microfungal garden pathogens of leaf-cutting ants. <i>Antonie Van Leeuwenhoek</i> , 2009, 96, 331-342.	1.7	73
94	Microfungal "Weeds" in the Leafcutter Ant Symbiosis. <i>Microbial Ecology</i> , 2008, 56, 604-614.	2.8	122
95	Yeasts and filamentous fungi carried by the gynes of leaf-cutting ants. <i>Antonie Van Leeuwenhoek</i> , 2008, 94, 517-526.	1.7	60
96	COEVOLUTION BETWEEN ATTINE ANTS AND ACTINOMYCETE BACTERIA: A REEVALUATION. <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 2894-2912.	2.3	118
97	Leaf-cutting ant faecal fluid and mandibular gland secretion: effects on microfungi spore germination. <i>Brazilian Journal of Microbiology</i> , 2008, 39, 64-67.	2.0	28
98	Leaf-cutting ant faecal fluid and mandibular gland secretion: effects on microfungi spore germination. <i>Brazilian Journal of Microbiology</i> , 2008, 39, 64-7.	2.0	10
99	Susceptibility of the ant-cultivated fungus <i>Leucoagaricus gongylophorus</i> (Agaricales: Basidiomycota) towards microfungi. <i>Mycopathologia</i> , 2006, 162, 115-119.	3.1	42
100	Variability of non-mutualistic filamentous fungi associated with <i>Atta sexdens rubropilosa</i> nests. <i>Folia Microbiologica</i> , 2005, 50, 421-5.	2.3	58
101	Secondary metabolites produced by endophytic fungi: novel antifungal activity of fumiquinone B. <i>Acta Scientiarum - Biological Sciences</i> , 0, 41, e48785.	0.3	6
102	Pathogenicity of filamentous fungi towards <i>Atta sexdens rubropilosa</i> (Hymenoptera: Formicidae). <i>International Journal of Tropical Insect Science</i> , 0, , 1.	1.0	1
103	Production of xylanase by a new strain of <i>Thermoascus aurantiacus</i> : obtainment of enzymatic extract with reduced cellulolytic activity for application in pulp and paper industries. <i>Bioscience Journal</i> , 0, , 1040-1048.	0.4	8
104	Amino Acid Supplementation Improves the Production of Extracellular Peptidases by <i>Aspergillus Section Flavi</i> and their Ionic Immobilization. <i>Brazilian Archives of Biology and Technology</i> , 0, 63, .	0.5	2