

Luiz H Rosa

List of Publications by Year in descending order

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105
papers

3,320
citations

159525

30
h-index

168321

53
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109
all docs

109
docs citations

109
times ranked

2633
citing authors

#	ARTICLE	IF	CITATIONS
1	Diversity of Fungi Present in Permafrost in the South Shetland Islands, Maritime Antarctic. <i>Microbial Ecology</i> , 2022, 83, 58-67.	1.4	10
2	Antarctic Strain of <i>Rhodotorula mucilaginosa</i> UFMGCB 18,377 Attenuates Mucositis Induced by 5-Fluorouracil in Mice. <i>Probiotics and Antimicrobial Proteins</i> , 2022, 14, 486-500.	1.9	6
3	Fungi in the Antarctic Cryosphere: Using DNA Metabarcoding to Reveal Fungal Diversity in Glacial Ice from the Antarctic Peninsula Region. <i>Microbial Ecology</i> , 2022, 83, 647-657.	1.4	7
4	Green algae (Viridiplantae) in sediments from three lakes on Vega Island, Antarctica, assessed using DNA metabarcoding. <i>Molecular Biology Reports</i> , 2022, 49, 179-188.	1.0	5
5	Antarctic environments as a source of bacterial and fungal therapeutic enzymes. <i>Anais Da Academia Brasileira De Ciencias</i> , 2022, 94, e20210452.	0.3	0
6	Fungal diversity in seasonal snow of Martel Inlet, King George Island, South Shetland Islands, assessed using DNA metabarcoding. <i>Polar Biology</i> , 2022, 45, 627-636.	0.5	5
7	Diversity of Viridiplantae DNA present on rock surfaces in the Ellsworth Mountains, continental Antarctica. <i>Polar Biology</i> , 2022, 45, 637-646.	0.5	4
8	Leishmanicidal activity of fungal bioproducts: A systematic review. <i>Fungal Biology Reviews</i> , 2022, 40, 91-113.	1.9	1
9	Fungal impact on archaeological materials collected at Byers Peninsula Livingston Island, South Shetland Islands, Antarctica. <i>Anais Da Academia Brasileira De Ciencias</i> , 2022, 94, e20210218.	0.3	1
10	Using metabarcoding to assess Viridiplantae sequence diversity present in Antarctic glacial ice. <i>Anais Da Academia Brasileira De Ciencias</i> , 2022, 94, e20201736.	0.3	3
11	Antarctic organisms as a source of antimicrobial compounds: a patent review. <i>Anais Da Academia Brasileira De Ciencias</i> , 2022, 94, e20210840.	0.3	3
12	Extracellular hydrolytic enzymes produced by yeasts from Antarctic lichens. <i>Anais Da Academia Brasileira De Ciencias</i> , 2022, 94, e20210540.	0.3	7
13	Does maritime Antarctic permafrost harbor environmental fungi with pathogenic potential?. <i>Fungal Biology</i> , 2022, , .	1.1	2
14	DNA Metabarcoding Reveals Cryptic Diversity in Forest Soils on the Isolated Brazilian Trindade Island, South Atlantic. <i>Microbial Ecology</i> , 2022, , .	1.4	2
15	Fungal diversity in a sediment core from climate change impacted Boeckella Lake, Hope Bay, north-eastern Antarctic Peninsula assessed using metabarcoding. <i>Extremophiles</i> , 2022, 26, 16.	0.9	14
16	Diversity, distribution and ecology of fungal communities present in Antarctic lake sediments uncovered by DNA metabarcoding. <i>Scientific Reports</i> , 2022, 12, 8407.	1.6	11
17	Diversity of freshwater fungi in polar and alpine lakes. , 2022, , 37-58.		0
18	Diversity and Ecology of Chlorophyta (Viridiplantae) Assemblages in Protected and Non-protected Sites in Deception Island (Antarctica, South Shetland Islands) Assessed Using an NGS Approach. <i>Microbial Ecology</i> , 2021, 81, 323-334.	1.4	12

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19	Fungi Present in Antarctic Deep-Sea Sediments Assessed Using DNA Metabarcoding. <i>Microbial Ecology</i> , 2021, 82, 157-164.	1.4	26
20	Pigments from Antarctic bacteria and their biotechnological applications. <i>Critical Reviews in Biotechnology</i> , 2021, 41, 809-826.	5.1	31
21	Diversity, distribution, and xerophilic tolerance of cultivable fungi associated with the Antarctic angiosperms. <i>Polar Biology</i> , 2021, 44, 379-388.	0.5	8
22	In Vitro and In Vivo Evaluation of the Probiotic Potential of Antarctic Yeasts. <i>Probiotics and Antimicrobial Proteins</i> , 2021, 13, 1338-1354.	1.9	7
23	Fungal diversity present on rocks from a polar desert in continental Antarctica assessed using DNA metabarcoding. <i>Extremophiles</i> , 2021, 25, 193-202.	0.9	17
24	Diversity of fungal DNA in lake sediments on Vega Island, north-east Antarctic Peninsula assessed using DNA metabarcoding. <i>Extremophiles</i> , 2021, 25, 257-265.	0.9	10
25	The largest moss carpet transplant in Antarctica and its bryosphere cryptic biodiversity. <i>Extremophiles</i> , 2021, 25, 369-384.	0.9	11
26	Exploring the plant environmental DNA diversity in soil from two sites on Deception Island (Antarctica, South Shetland Islands) using metabarcoding. <i>Antarctic Science</i> , 2021, 33, 469-478.	0.5	8
27	Higher turnover of endophytic fungal assemblages in the tissues of globose cactus <i>Melocactus ernestii</i> from Brazilian semi-arid biome. <i>Symbiosis</i> , 2021, 85, 79-91.	1.2	1
28	Periphyton diversity in two different Antarctic lakes assessed using metabarcoding. <i>Antarctic Science</i> , 2021, 33, 596-604.	0.5	3
29	Ecological succession of fungal and bacterial communities in Antarctic mosses affected by a fairy ring disease. <i>Extremophiles</i> , 2021, 25, 471-481.	0.9	8
30	Diversity and antimicrobial activity of culturable endophytic fungi associated with the neotropical ethnomedicinal plants <i>Copaifera langsdorffii</i> and <i>Copaifera pubiflora</i> . <i>South African Journal of Botany</i> , 2021, 142, 305-315.	1.2	4
31	Assessment of fungal diversity present in lakes of Maritime Antarctica using DNA metabarcoding: a temporal microcosm experiment. <i>Extremophiles</i> , 2021, 25, 77-84.	0.9	21
32	Antimalarials and Phytotoxins from <i>Botryosphaeria dothidea</i> Identified from a Seed of Diseased <i>Torreya taxifolia</i> . <i>Molecules</i> , 2021, 26, 59.	1.7	10
33	Fairy ring disease affects epiphytic algal assemblages associated with the moss <i>Sanionia uncinata</i> (Hedw.) Loeske (Bryophyta) on King George Island, Antarctica. <i>Extremophiles</i> , 2021, 25, 501-512.	0.9	0
34	Plant-associated Fungi: Methods for Taxonomy, Diversity, and Bioactive Secondary Metabolite Bioprospecting. <i>Methods in Molecular Biology</i> , 2021, 2232, 85-112.	0.4	2
35	Diversity and ecology of cultivable fungi isolated from the thermal soil gradients in Deception Island, Antarctica. <i>Extremophiles</i> , 2020, 24, 219-225.	0.9	10
36	Cultivable fungi present in deep-sea sediments of Antarctica: taxonomy, diversity, and bioprospecting of bioactive compounds. <i>Extremophiles</i> , 2020, 24, 227-238.	0.9	31

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37	Diversity and distribution of cultivable fungi present in acid sulphate soils in chronosequence under para-periglacial conditions in King George Island, Antarctica. <i>Extremophiles</i> , 2020, 24, 797-807.	0.9	2
38	Actinobacteria from Antarctica as a source for anticancer discovery. <i>Scientific Reports</i> , 2020, 10, 13870.	1.6	38
39	DNA metabarcoding of fungal diversity in air and snow of Livingston Island, South Shetland Islands, Antarctica. <i>Scientific Reports</i> , 2020, 10, 21793.	1.6	31
40	DNA Metabarcoding to Assess the Diversity of Airborne Fungi Present over Keller Peninsula, King George Island, Antarctica. <i>Microbial Ecology</i> , 2020, 82, 165-172.	1.4	27
41	Diversity, distribution, and ecology of viable fungi in permafrost and active layer of Maritime Antarctica. <i>Extremophiles</i> , 2020, 24, 565-576.	0.9	23
42	Diversity, ecology, and bioprospecting of culturable fungi in lakes impacted by anthropogenic activities in Maritime Antarctica. <i>Extremophiles</i> , 2020, 24, 637-655.	0.9	17
43	Fungi in glacial ice of Antarctica: diversity, distribution and bioprospecting of bioactive compounds. <i>Extremophiles</i> , 2020, 24, 367-376.	0.9	29
44	Diversity and bioprospecting of cultivable fungal assemblages in sediments of lakes in the Antarctic Peninsula. <i>Fungal Biology</i> , 2020, 124, 601-611.	1.1	32
45	<i>Penicillium citrinum</i> and <i>Penicillium mallochii</i> : New phytopathogens of orange fruit and their control using chitosan. <i>Carbohydrate Polymers</i> , 2020, 234, 115918.	5.1	26
46	Cultivable fungi associated with bryosphere of bipolar mosses <i>Polytrichastrum alpinum</i> and <i>Polytrichum juniperinum</i> in King George Island, South Shetland Islands, Maritime Antarctica. <i>Polar Biology</i> , 2020, 43, 545-553.	0.5	14
47	Opportunistic fungi found in fairy rings are present on different moss species in the Antarctic Peninsula. <i>Polar Biology</i> , 2020, 43, 587-596.	0.5	18
48	Whole-genome sequencing of the endemic Antarctic fungus <i>Antarctomyces pellizariae</i> reveals an ice-binding protein, a scarce set of secondary metabolites gene clusters and provides insights on Thelebolales phylogeny. <i>Genomics</i> , 2020, 112, 2915-2921.	1.3	19
49	DNA metabarcoding uncovers fungal diversity in soils of protected and non-protected areas on Deception Island, Antarctica. <i>Scientific Reports</i> , 2020, 10, 21986.	1.6	39
50	A new insight into purinergic pharmacology: Three fungal species as natural P2X7R antagonists. <i>Phytotherapy Research</i> , 2019, 33, 2319-2328.	2.8	4
51	Diversity, Distribution, and Ecology of Fungi in the Seasonal Snow of Antarctica. <i>Microorganisms</i> , 2019, 7, 445.	1.6	31
52	Fungi in Antarctica: Diversity, Ecology, Effects of Climate Change, and Bioprospection for Bioactive Compounds. , 2019, , 1-17.		27
53	Antarctic Fungi as Producers of Pigments. , 2019, , 305-318.		6
54	Fungi in Snow and Glacial Ice of Antarctica. , 2019, , 127-146.		15

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55	Diversity and Ecology of Fungal Assemblages Present in Lakes of Antarctica. , 2019, , 69-97.		9
56	Antarctic Permafrost: An Unexplored Fungal Microhabitat at the Edge of Life. , 2019, , 147-164.		5
57	Diversity and distribution of hidden cultivable fungi associated with marine animals of Antarctica. Fungal Biology, 2019, 123, 507-516.	1.1	36
58	The diversity, distribution, and pathogenic potential of cultivable fungi present in rocks from the South Shetlands archipelago, Maritime Antarctica. Extremophiles, 2019, 23, 327-336.	0.9	26
59	Chemical Characterization and Biotechnological Applicability of Pigments Isolated from Antarctic Bacteria. Marine Biotechnology, 2019, 21, 416-429.	1.1	31
60	Taxonomy and richness of yeasts associated with angiosperms, bryophytes, and meltwater biofilms collected in the Antarctic Peninsula. Extremophiles, 2019, 23, 151-159.	0.9	13
61	Marine Fungi Associated with Antarctic Macroalgae. Springer Polar Sciences, 2019, , 239-255.	0.0	11
62	Pigments in an iridescent bacterium, Cellulophaga fucicola, isolated from Antarctica. Antonie Van Leeuwenhoek, 2019, 112, 479-490.	0.7	9
63	Fungal diversity in the Atacama Desert. Antonie Van Leeuwenhoek, 2018, 111, 1345-1360.	0.7	40
64	Cultivable fungi present in Antarctic soils: taxonomy, phylogeny, diversity, and bioprospecting of antiparasitic and herbicidal metabolites. Extremophiles, 2018, 22, 381-393.	0.9	82
65	Isolation of fungi associated with macroalgae from maritime Antarctica and their production of agarolytic and carrageenolytic activities. Polar Biology, 2018, 41, 527-535.	0.5	29
66	Rhodococcus psychrotolerans sp. nov., isolated from rhizosphere of Deschampsia antarctica. Antonie Van Leeuwenhoek, 2018, 111, 629-636.	0.7	16
67	Two new usnic acid derivatives from the endophytic fungus <i>Mycosphaerella</i> sp.. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2018, 73, 449-455.	0.6	8
68	Endophytic symbiont yeasts associated with the Antarctic angiosperms Deschampsia antarctica and Colobanthus quitensis. Polar Biology, 2017, 40, 177-183.	0.5	41
69	Diversity of the endophytic fungi associated with the ancient and narrowly endemic neotropical plant Vellozia gigantea from the endangered Brazilian rupestrian grasslands. Biochemical Systematics and Ecology, 2017, 71, 163-169.	0.6	27
70	Antarctomyces pellizariae sp. nov., a new, endemic, blue, snow resident psychrophilic ascomycete fungus from Antarctica. Extremophiles, 2017, 21, 259-269.	0.9	38
71	Diversity and biogeographical patterns of yeast communities in Antarctic, Patagonian and tropical lakes. Fungal Ecology, 2017, 28, 33-43.	0.7	18
72	Pathogenic potential of environmental resident fungi from ornithogenic soils of Antarctica. Fungal Biology, 2017, 121, 991-1000.	1.1	16

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73	Taxonomy, phylogeny and ecology of cultivable fungi present in seawater gradients across the Northern Antarctica Peninsula. <i>Extremophiles</i> , 2017, 21, 1005-1015.	0.9	35
74	Antarctic rocks from continental Antarctica as source of potential human opportunistic fungi. <i>Extremophiles</i> , 2017, 21, 851-860.	0.9	29
75	New Pesticidal Diterpenoids from <i>Vellozia gigantea</i> (Velloziaceae), an Endemic Neotropical Plant Living in the Endangered Brazilian Biome Rupestrian Grasslands. <i>Molecules</i> , 2017, 22, 175.	1.7	11
76	Antifungal activity of extracts from Atacama Desert fungi against <i>Paracoccidioides brasiliensis</i> and identification of <i>Aspergillus felis</i> as a promising source of natural bioactive compounds. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2016, 111, 209-217.	0.8	13
77	Molecular Phylogeny, Diversity, and Bioprospecting of Endophytic Fungi Associated with wild Ethnomedicinal North American Plant <i>Echinacea purpurea</i> (Asteraceae). <i>Chemistry and Biodiversity</i> , 2016, 13, 918-930.	1.0	15
78	Yeasts from macroalgae and lichens that inhabit the South Shetland Islands, Antarctica. <i>Environmental Microbiology Reports</i> , 2016, 8, 874-885.	1.0	36
79	Fungi associated with rocks of the Atacama Desert: taxonomy, distribution, diversity, ecology and bioprospection for bioactive compounds. <i>Environmental Microbiology</i> , 2016, 18, 232-245.	1.8	76
80	Biological activities of ophiobolin K and 6-epi-ophiobolin K produced by the endophytic fungus <i>Aspergillus calidoustus</i> . <i>Natural Product Research</i> , 2016, 30, 478-481.	1.0	31
81	Molecular phylogeny, diversity, symbiosis and discover of bioactive compounds of endophytic fungi associated with the medicinal Amazonian plant <i>Carapa guianensis</i> Aublet (Meliaceae). <i>Biochemical Systematics and Ecology</i> , 2015, 59, 36-44.	0.6	49
82	Sex in the cold: taxonomic reorganization of psychrotolerant yeasts in the order Leucosporidiales. <i>FEMS Yeast Research</i> , 2015, 15, fov019.	1.1	21
83	Diversity and antifungal activity of the endophytic fungi associated with the native medicinal cactus <i>Opuntia humifusa</i> (Cactaceae) from the United States. <i>Microbiological Research</i> , 2015, 175, 67-77.	2.5	76
84	Antibacterial, antifungal and antiprotozoal activities of fungal communities present in different substrates from Antarctica. <i>Polar Biology</i> , 2015, 38, 1143-1152.	0.5	72
85	Diversity and bioprospection of fungal community present in oligotrophic soil of continental Antarctica. <i>Extremophiles</i> , 2015, 19, 585-596.	0.9	88
86	Lichensphere: a protected natural microhabitat of the non-lichenised fungal communities living in extreme environments of Antarctica. <i>Extremophiles</i> , 2015, 19, 1087-1097.	0.9	75
87	Dual Extraction of Essential Oil and Podophyllotoxin from Creeping Juniper (<i>Juniperus horizontalis</i>). <i>PLoS ONE</i> , 2014, 9, e106057.	1.1	14
88	Isolation and biological activities of an endophytic <i>Mortierella alpina</i> strain from the Antarctic moss <i>Schistidium antarctici</i> . <i>Extremophiles</i> , 2014, 18, 15-23.	0.9	107
89	Diversity Patterns, Ecology and Biological Activities of Fungal Communities Associated with the Endemic Macroalgae Across the Antarctic Peninsula. <i>Microbial Ecology</i> , 2014, 67, 775-787.	1.4	106
90	<i>Coniochaeta ligniaria</i> : antifungal activity of the cryptic endophytic fungus associated with autotrophic tissue cultures of the medicinal plant <i>Smallanthus sonchifolius</i> (Asteraceae). <i>Symbiosis</i> , 2013, 60, 133-142.	1.2	27

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91	Penicillium solitum: a mesophilic, psychrotolerant fungus present in marine sediments from Antarctica. Polar Biology, 2013, 36, 1823-1831.	0.5	37
92	Diversity and bioprospecting of fungal communities associated with endemic and cold-adapted macroalgae in Antarctica. ISME Journal, 2013, 7, 1434-1451.	4.4	155
93	Diversity and Biological Activities of Endophytic Fungi Associated with Micropropagated Medicinal Plant <i>Echinacea purpurea</i> (L.) Moench. American Journal of Plant Sciences, 2012, 03, 1105-1114.	0.3	23
94	The diversity, antimicrobial and anticancer activity of endophytic fungi associated with the medicinal plant Stryphnodendron adstringens (Mart.) Coville (Fabaceae) from the Brazilian savannah. Symbiosis, 2012, 57, 95-107.	1.2	83
95	Antifungal activity of extracts from endophytic fungi associated with <i>Smilax</i> maintained in vitro as autotrophic cultures and as pot plants in the greenhouse. Canadian Journal of Microbiology, 2012, 58, 1202-1211.	0.8	20
96	Diversity and antimicrobial activities of the fungal endophyte community associated with the traditional Brazilian medicinal plant <i>Solanum cernuum</i> Vell. (<i>Solanaceae</i>). Canadian Journal of Microbiology, 2012, 58, 54-66.	0.8	86
97	Diversity and distribution of fungal communities in lakes of Antarctica. FEMS Microbiology Ecology, 2012, 82, 459-471.	1.3	106
98	Leishmanicidal and antitumoral activities of endophytic fungi associated with the Antarctic angiosperms Deschampsia antarctica Desv. and Colobanthus quitensis (Kunth) Bartl.. Extremophiles, 2012, 16, 95-103.	0.9	74
99	The diversity, extracellular enzymatic activities and photoprotective compounds of yeasts isolated in Antarctica. Brazilian Journal of Microbiology, 2011, 42, 937-947.	0.8	131
100	The diversity, extracellular enzymatic activities and photoprotective compounds of yeasts isolated in Antarctica. Brazilian Journal of Microbiology, 2011, 42, 937-47.	0.8	43
101	Fungal community associated with marine macroalgae from Antarctica. Polar Biology, 2010, 33, 641-648.	0.5	138
102	Endophytic fungi community associated with the dicotyledonous plant Colobanthus quitensis (Kunth) Bartl. (Caryophyllaceae) in Antarctica. FEMS Microbiology Ecology, 2010, 73, no-no.	1.3	117
103	Leishmanicidal, trypanocidal, and cytotoxic activities of endophytic fungi associated with bioactive plants in Brazil. Brazilian Journal of Microbiology, 2010, 41, 420-430.	0.8	59
104	Cytotoxic, immunosuppressive, trypanocidal and antileishmanial activities of Basidiomycota fungi present in Atlantic Rainforest in Brazil. Antonie Van Leeuwenhoek, 2009, 95, 227-237.	0.7	27
105	Endophytic fungi associated with the Antarctic grass Deschampsia Antarctica Desv. (Poaceae). Polar Biology, 2009, 32, 161-167.	0.5	171