

Maria Catarina Megumi Kasuya

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6960066/publications.pdf>

Version: 2024-02-01

114
papers

2,160
citations

257357

24
h-index

330025

37
g-index

115
all docs

115
docs citations

115
times ranked

2441
citing authors

#	ARTICLE	IF	CITATIONS
1	Potassium and growth-promoting fungi improve the postharvest quality of grape tomato. <i>Semina: Ciências Agrárias</i> , 2022, 43, 675-692.	0.1	1
2	Bioaccessibility, oxidizing activity and co-accumulation of minerals in Li-enriched mushrooms. <i>LWT - Food Science and Technology</i> , 2022, 155, 112989.	2.5	6
3	Structure and putative function of a soil microbial community impacted by the deposition of tailings and subsequent revegetation after the rupture of the Fundão Dam. <i>Land Degradation and Development</i> , 2022, 33, 1235-1248.	1.8	2
4	Processing techniques and microbial fermentation on microbial profile and chemical and sensory quality of the coffee beverage. <i>European Food Research and Technology</i> , 2022, 248, 1499-1512.	1.6	13
5	A new mycorrhizal species of <i>Ceratobasidium</i> (Ceratobasidiaceae) associated with roots of the epiphytic orchid <i>Gomesa recurva</i> from Brazilian Atlantic Forest. <i>Phytotaxa</i> , 2022, 550, 224-232.	0.1	1
6	Composition and diversity of prokaryotes at an iron ore post-mining site revealed the natural resilience 10 years after mining exploitation. <i>Land Degradation and Development</i> , 2021, 32, 256-269.	1.8	3
7	Microbial fermentation affects sensorial, chemical, and microbial profile of coffee under carbonic maceration. <i>Food Chemistry</i> , 2021, 342, 128296.	4.2	23
8	Structure of AMF Community in an Agroforestry System of Coffee and Macauba Palm. <i>Floresta E Ambiente</i> , 2021, 28, .	0.1	3
9	Mycorrhizal inoculation and phosphorus fertilization show contrasts on native species of the Brazilian Atlantic Forest and Cerrado. <i>Revista Brasileira De Ciencia Do Solo</i> , 2021, 45, .	0.5	2
10	Extinction of anciently associated gut bacterial symbionts in a clade of stingless bees. <i>ISME Journal</i> , 2021, 15, 2813-2816.	4.4	30
11	Shifts in Arbuscular Mycorrhizal fungal properties due to vegetative remediation of mine spoil contamination from a dam rupture in Mariana, Brazil. <i>Applied Soil Ecology</i> , 2021, 162, 103885.	2.1	9
12	A fine-scale spatial analysis of fungal communities on tropical tree bark unveils the epiphytic rhizosphere in orchids. <i>New Phytologist</i> , 2021, 231, 2002-2014.	3.5	27
13	Soil Microorganisms and Quality of the Coffee Beverage. <i>Food Engineering Series</i> , 2021, , 101-147.	0.3	0
14	Effects of environmental factors on microbiota of fruits and soil of <i>Coffea arabica</i> in Brazil. <i>Scientific Reports</i> , 2020, 10, 14692.	1.6	43
15	Genome-Scale Characterization of Fungal Phytases and a Comparative Study Between Beta-Propeller Phytases and Histidine Acid Phosphatases. <i>Applied Biochemistry and Biotechnology</i> , 2020, 192, 296-312.	1.4	2
16	Production of fungal enzymes in Macaíba coconut and enzymatic degradation of textile dye. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 26, 101651.	1.5	20
17	Limitations to Use of <i>Cassia grandis</i> L. in the Revegetation of the Areas Impacted with Mining Tailings from Fundão Dam. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	13
18	Plastics Polymers Degradation by Fungi. , 2020, , .		5

#	ARTICLE	IF	CITATIONS
19	Diversity of mycorrhizal <i>Tulasnella</i> associated with epiphytic and rupicolous orchids from the Brazilian Atlantic Forest, including four new species. <i>Scientific Reports</i> , 2020, 10, 7069.	1.6	16
20	Effective microorganisms inoculant: Diversity and effect on the germination of palisade grass seeds. <i>Anais Da Academia Brasileira De Ciencias</i> , 2020, 92, e20180426.	0.3	5
21	Fungus used for germination is supplanted after reintroduction of <i>Hadrolaelia jongheana</i> (Orchidaceae). <i>Revista Agraria Academica</i> , 2020, 3, 148-161.	0.0	0
22	Production of bioactive compounds by the mycelial growth of <i>Pleurotus djamor</i> in whey powder enriched with selenium. <i>LWT - Food Science and Technology</i> , 2019, 114, 108376.	2.5	16
23	High-yield cellulase and LiP production after SSF of agricultural wastes by <i>Pleurotus ostreatus</i> using different surfactants. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 22, 101428.	1.5	14
24	Revegetation process increases the diversity of total and arbuscular mycorrhizal fungi in areas affected by the Fundão dam failure in Mariana, Brazil. <i>Applied Soil Ecology</i> , 2019, 141, 84-95.	2.1	28
25	Arbuscular mycorrhizae and absence of cluster roots in the Brazilian Proteaceae <i>Roupala montana</i> Aubl. <i>Symbiosis</i> , 2019, 77, 115-122.	1.2	2
26	Agroecological coffee management increases arbuscular mycorrhizal fungi diversity. <i>PLoS ONE</i> , 2019, 14, e0209093.	1.1	47
27	Growth and Tolerance of <i>Pleurotus ostreatus</i> at Different Selenium Forms. <i>Journal of Agricultural Science</i> , 2019, 11, 151.	0.1	4
28	Minimum cocktail of cellulolytic multi-enzyme complexes obtained from white rot fungi via solid-state fermentation. <i>3 Biotech</i> , 2018, 8, 46.	1.1	4
29	Enzymatic extract containing lignin peroxidase immobilized on carbon nanotubes: Potential biocatalyst in dye decolourization. <i>Saudi Journal of Biological Sciences</i> , 2018, 25, 651-659.	1.8	80
30	<i>Cyrtopodium paludicolum</i> germination with two <i>Tulasnella</i> isolates. <i>Acta Botanica Brasílica</i> , 2018, 32, 107-112.	0.8	8
31	Multi-enzyme complex of white rot fungi in saccharification of lignocellulosic material. <i>Brazilian Journal of Microbiology</i> , 2018, 49, 879-884.	0.8	20
32	Nematophagus fungi increasing phosphorus uptake and promoting plant growth. <i>Biological Control</i> , 2018, 123, 71-75.	1.4	25
33	Arbuscular mycorrhizal fungi (Glomeromycota) communities in tropical savannas of Roraima, Brazil. <i>Mycological Progress</i> , 2018, 17, 1149-1159.	0.5	10
34	Ammonium removal from high-salinity oilfield-produced water: assessing the microbial community dynamics at increasing salt concentrations. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 859-870.	1.7	25
35	Growth Rate and Selenium Bioaccumulation in <i>Pleurotus</i> species Cultivated on Signal Grass, <i>Urochloa decumbens</i> (Stapf) R. D. Webster. <i>Current Research in Nutrition and Food Science</i> , 2017, 5, 137-143.	0.3	6
36	Mycelial Growth, Biomass Production and Iron Uptake by Mushrooms of <i>Pleurotus</i> species Cultivated on <i>Urochloa decumbens</i> (Stapf) R. D. Webster. <i>Journal of Food Research</i> , 2016, 5, 13.	0.1	16

#	ARTICLE	IF	CITATIONS
37	Effect of inoculation of symbiotic fungi on the growth and antioxidant enzymes activities in the presence of <i>Fusarium subglutinans</i> f. sp. ananas in pineapple plantlets. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	1.0	7
38	Arbuscular mycorrhizal fungal diversity in rhizosphere spores versus roots of an endangered endemic tree from Argentina: Is fungal diversity similar among forest disturbance types?. <i>Applied Soil Ecology</i> , 2016, 98, 272-277.	2.1	15
39	Expression of the nifH gene in diazotrophic bacteria in <i>Eucalyptus urograndis</i> plantations. <i>Canadian Journal of Forest Research</i> , 2016, 46, 190-199.	0.8	5
40	The Effect of <i>Jatropha Curcas</i> Seed Meal on Growth Performance and Internal Organs Development and Lesions in Broiler Chickens. <i>Brazilian Journal of Poultry Science</i> , 2015, 17, 1-6.	0.3	8
41	Characterization of seed germination and protocorm development of <i>Cyrtopodium glutiniferum</i> (Orchidaceae) promoted by mycorrhizal fungi <i>Epulorhiza</i> spp.. <i>Acta Botanica Brasilica</i> , 2015, 29, 567-574.	0.8	23
42	<i>Pochonia chlamydosporia</i> promotes the growth of tomato and lettuce plants. <i>Acta Scientiarum - Agronomy</i> , 2015, 37, 417.	0.6	23
43	The interaction between arbuscular mycorrhizal fungi and <i>Piriformospora indica</i> improves the growth and nutrient uptake in micropropagation-derived pineapple plantlets. <i>Scientia Horticulturae</i> , 2015, 197, 183-192.	1.7	26
44	Production of Selenium-Enriched Mushrooms in Coffee Husks and Use of This Colonized Residue. , 2015, , 301-309.		6
45	Degradation of Green Polyethylene by <i>Pleurotus ostreatus</i> . <i>PLoS ONE</i> , 2015, 10, e0126047.	1.1	27
46	Nitrogen-Fixing Bacteria in <i>Eucalyptus globulus</i> Plantations. <i>PLoS ONE</i> , 2014, 9, e111313.	1.1	13
47	<i>In vitro</i> <i>Scleroderma laeve</i> and <i>Eucalyptus grandis</i> mycorrhization and analysis of <i>atp6</i> , 17S rDNA, and <i>ras</i> gene expression during ectomycorrhizal formation. <i>Journal of Basic Microbiology</i> , 2014, 54, 1358-1366.	1.8	4
48	Abiotic and Biotic Degradation of Oxo-Biodegradable Plastic Bags by <i>Pleurotus ostreatus</i> . <i>PLoS ONE</i> , 2014, 9, e107438.	1.1	37
49	Endophytic and mycorrhizal fungi associated with roots of endangered native orchids from the Atlantic Forest, Brazil. <i>Mycorrhiza</i> , 2014, 24, 55-64.	1.3	57
50	Social interactions between fungus garden and external workers of <i>Atta sexdens</i> (Linnaeus) (Hymenoptera: Formicidae). <i>Italian Journal of Zoology</i> , 2014, 81, 298-303.	0.6	4
51	Morphological and molecular characterization of <i>Tulasnella</i> spp. fungi isolated from the roots of <i>Epidendrum secundum</i> , a widespread Brazilian orchid. <i>Symbiosis</i> , 2014, 62, 111-121.	1.2	16
52	Glyphosate drift affects arbuscular mycorrhizal association in coffee. <i>Planta Daninha</i> , 2014, 32, 783-789.	0.5	8
53	Isolation and molecular characterization of Rhizoctonia-like fungi associated with orchid roots in the QuadrilÁtero FerrÁfero and Zona da Mata regions of the state of Minas Gerais, Brazil. <i>Acta Botanica Brasilica</i> , 2014, 28, 298-300.	0.8	9
54	Ectosymbionts and immunity in the leaf-cutting ant <i>Acromyrmex subterraneus subterraneus</i> . <i>Brain, Behavior, and Immunity</i> , 2013, 28, 182-187.	2.0	28

#	ARTICLE	IF	CITATIONS
55	Antioxidant activities, total phenolics and metal contents in <i>Pleurotus ostreatus</i> mushrooms enriched with iron, zinc or lithium. <i>LWT - Food Science and Technology</i> , 2013, 54, 421-425.	2.5	51
56	Plant-Microorganism Interactions: Effects on the Tolerance of Plants to Biotic and Abiotic Stresses. , 2013, , 209-238.		6
57	Production of edible mushroom and degradation of antinutritional factors in jatropha biodiesel residues. <i>LWT - Food Science and Technology</i> , 2013, 50, 575-580.	2.5	25
58	<i>In vitro</i> culture of <i>Gigaspora decipiens</i> and<i> Glomus clarum</i> in transformed roots of carrot: the influence of temperature and pH - doi: 10.4025/actasciagron.v35i3.16581. <i>Acta Scientiarum - Agronomy</i> , 2013, 35, .	0.6	5
59	Use of sorghum straw (<i>Sorghum bicolor</i>) for second generation ethanol production: pretreatment and enzymatic hydrolysis. <i>Quimica Nova</i> , 2013, 36, 623-627.	0.3	29
60	Symbiotic propagation of seedlings of <i>Cyrtopodium glutiniferum</i> Raddi (Orchidaceae). <i>Acta Botanica Brasílica</i> , 2013, 27, 590-596.	0.8	21
61	Degradation of Oxo-Biodegradable Plastic by <i>Pleurotus ostreatus</i> . <i>PLoS ONE</i> , 2013, 8, e69386.	1.1	67
62	Mycelial Growth of <i>Pleurotus</i> Spp in Se-Enriched Culture Media. <i>Advances in Microbiology</i> , 2013, 03, 11-18.	0.3	17
63	Diversity of Fungi Associated with<i> Atta bisphaerica </i>(Hymenoptera: Formicidae): The Activity of<i> Aspergillus ochraceus </i>and<i> Beauveria bassiana </i>. <i>Psyche: Journal of Entomology</i> , 2012, 2012, 1-6.	0.4	18
64	Micorriza arbuscular e a tolerÃ¢ncia das plantas ao estresse. <i>Revista Brasileira De Ciencia Do Solo</i> , 2012, 36, 1663-1679.	0.5	39
65	Selenium Bioaccumulation in Shiitake Mushrooms: A Nutritional Alternative Source of this Element. <i>Journal of Food Science</i> , 2012, 77, C983-6.	1.5	27
66	Development of mycorrhized vitroplants of <i>Jatropha curcas</i> L. at different rooting stages. <i>Plant Biotechnology Reports</i> , 2012, 6, 355-362.	0.9	8
67	Lignocellulolytic enzyme production of <i>Pleurotus ostreatus</i> growth in agroindustrial wastes. <i>Brazilian Journal of Microbiology</i> , 2012, 43, 1508-1515.	0.8	50
68	Nitrogen Supplementation on the Productivity and the Chemical Composition of Oyster Mushroom. <i>Journal of Food Research</i> , 2012, 1, .	0.1	18
69	Bio-Detoxification of Jatropha Seed Cake and Its Use in Animal Feed. , 2012, , .		2
70	Enrichment of <i>Pleurotus ostreatus</i> mushrooms with selenium in coffee husks. <i>Food Chemistry</i> , 2012, 131, 558-563.	4.2	96
71	Enrichment of mushrooms: An interesting strategy for the acquisition of lithium. <i>Food Chemistry</i> , 2012, 134, 1123-1127.	4.2	60
72	Micorriza arbuscular e rizÃ³bios no enraizamento e nutriÃ§Ã£o de mudas de angico-vermelho. <i>Revista Arvore</i> , 2012, 36, 1027-1038.	0.5	9

#	ARTICLE	IF	CITATIONS
73	Lignocellulolytic enzyme production of <i>Pleurotus ostreatus</i> growth in agroindustrial wastes. <i>Brazilian Journal of Microbiology</i> , 2012, 43, 1508-15.	0.8	29
74	Germinação de sementes e desenvolvimento de protocormos de <i>Epidendrum secundum</i> Jacq. (Orchidaceae) em associação com fungos micorrízicos do gênero <i>Epulorhiza</i> . <i>Acta Botanica Brasilica</i> , 2011, 25, 534-541.	0.8	14
75	Colonização micorrízica em plantios de eucalipto. <i>Revista Arvore</i> , 2011, 35, 965-974.	0.5	14
76	Antimicrobial activity and mineral composition of shiitake mushrooms cultivated on agricultural waste. <i>Brazilian Archives of Biology and Technology</i> , 2011, 54, 991-1002.	0.5	17
77	Total fatty acid composition in the characterization and identification of orchid mycorrhizal fungi <i>Epulorhiza</i> spp.. <i>Revista Brasileira De Ciencia Do Solo</i> , 2011, 35, 1159-1166.	0.5	5
78	COMPARATIVE ANATOMY OF CALOLISIANTHUS SPECIES (GENTIANACEAE "HELIEAE) FROM BRAZIL: TAXONOMIC ASPECTS. <i>Edinburgh Journal of Botany</i> , 2011, 68, 139-155.	0.4	17
79	Ocorrência de fungos endofíticos "dark septate" em raízes de <i>Oryza glumaepatula</i> na Amazônia. <i>Pesquisa Agropecuaria Brasileira</i> , 2011, 46, 331-334.	0.9	8
80	Morphological and molecular characterization of <i>Pisolithus</i> in soil under eucalyptus plantations in Brazil. <i>Revista Brasileira De Ciencia Do Solo</i> , 2010, 34, 1891-1898.	0.5	2
81	Identification of differentially expressed genes of the fungus <i>Hydnangium</i> sp. during the pre-symbiotic phase of the ectomycorrhizal association with <i>Eucalyptus grandis</i> . <i>Mycorrhiza</i> , 2010, 20, 531-540.	1.3	23
82	In vivo bioavailability of selenium in enriched <i>Pleurotus ostreatus</i> mushrooms. <i>Metallomics</i> , 2010, 2, 162.	1.0	34
83	Sensibilidade de estirpes de <i>Bradyrhizobium</i> ao glyphosate. <i>Revista Ceres</i> , 2010, 57, 28-33.	0.1	6
84	Production and regeneration of protoplasts from orchid Mycorrhizal Fungi <i>Epulorhiza repens</i> and <i>Ceratorhiza</i> sp.. <i>Brazilian Archives of Biology and Technology</i> , 2010, 53, 153-159.	0.5	8
85	Impacto do monocultivo de café sobre os indicadores biológicos do solo na zona da mata mineira. <i>Ciencia Rural</i> , 2009, 39, 2467-2474.	0.3	12
86	Diversidade de fungos micorrízicos <i>Epulorhiza</i> spp. isolados de <i>Epidendrum secundum</i> (Orchidaceae). <i>Revista Brasileira De Ciencia Do Solo</i> , 2009, 33, 1187-1197.	0.5	18
87	Morfo-anatomia comparada de espécies da subtribo <i>Coutoubeinae</i> (Chironieae - Gentianaceae). <i>Acta Botanica Brasilica</i> , 2009, 23, 956-967.	0.8	11
88	A pH signaling mechanism involved in the spatial distribution of calcium and anion fluxes in ectomycorrhizal roots. <i>New Phytologist</i> , 2009, 181, 448-462.	3.5	25
89	Morphological and molecular characterization of <i>Pisolithus</i> occurring in Hokkaido Island, Northern Japan. <i>Mycoscience</i> , 2008, 49, 334-338.	0.3	1
90	Microbial growth and colour of minimally processed shiitake mushroom stored at different temperatures. <i>International Journal of Food Science and Technology</i> , 2008, 43, 1281-1285.	1.3	11

#	ARTICLE	IF	CITATIONS
91	Comparação de métodos para a observação de fungos micorrízicos arbusculares e endofíticos do tipo dark septate em espécies nativas de Cerrado. Revista Brasileira De Ciencia Do Solo, 2008, 32, 1883-1890.	0.5	12
92	Isolamento e seleção de fungos causadores da podridão-branca da madeira em florestas de Eucalyptus spp. com potencial de degradação de cepas e raízes. Revista Arvore, 2007, 31, 145-155.	0.5	7
93	Growth and antibacterial activity of Lentinula edodes in liquid media supplemented with agricultural wastes. Electronic Journal of Biotechnology, 2005, 8, 212-217.	1.2	19
94	Fungos micorrízicos associados a orquídeas em campos rupestres na região do Quadrilátero Ferrífero, MG, Brasil. Acta Botanica Brasilica, 2005, 19, 417-424.	0.8	24
95	Tolerance of Bradyrhizobium strains to glyphosate formulations. Crop Protection, 2005, 24, 543-547.	1.0	62
96	Small heat shock proteins in the development of thermotolerance in Pisolithus sp.. Journal of Thermal Biology, 2005, 30, 595-602.	1.1	13
97	Isolamento e identificação de fungos micorrízicos rizotoniaídes associados a três espécies de orquídeas epífitas neotropicais no Brasil. Revista Brasileira De Ciencia Do Solo, 2005, 29, 191-197.	0.5	18
98	Indução in vitro da germinação de sementes de Oncidium flexuosum (Orchidaceae) por fungos micorrízicos rizotoniaídes. Revista Brasileira De Ciencia Do Solo, 2005, 29, 199-206.	0.5	26
99	Morphological and molecular characterization of mycorrhizal fungi isolated from neotropical orchids in Brazil. Canadian Journal of Botany, 2005, 83, 54-65.	1.2	69
100	Compatibility and ectomycorrhiza formation among Pisolithus Isolates and Eucalyptus spp. Revista Brasileira De Ciencia Do Solo, 2005, 29, 337-344.	0.5	5
101	Laccase production by Lepista sordida. Brazilian Journal of Microbiology, 2004, 35, 261-263.	0.8	9
102	Atividade microbiana do solo em sistemas agroflorestais, monoculturas, mata natural e área desmatada. Revista Arvore, 2003, 27, 35-41.	0.5	24
103	Polymorphism in the internal transcribed spacer (ITS) of the ribosomal DNA of 26 isolates of ectomycorrhizal fungi. Genetics and Molecular Biology, 2002, 25, 477-483.	0.6	33
104	Vesicular-arbuscular-/ecto-mycorrhiza succession in seedlings of Eucalyptus spp.. Brazilian Journal of Microbiology, 2001, 32, 81.	0.8	27
105	ANTIBACTERIAL ACTIVITY OF LENTINULA EDODES GROWN IN LIQUID MEDIUM. Brazilian Journal of Microbiology, 2001, 32, 206-210.	0.8	57
106	Molecular characterization of Pisolithus spp. isolates by rDNA PCR-RFLP. Mycorrhiza, 1999, 8, 197-202.	1.3	20
107	Viability of ectomycorrhizal fungus mycelium entrapped in calcium alginate gel. Mycorrhiza, 1999, 8, 263-266.	1.3	11
108	In vitro ectomycorrhizal formation in Picea glehnii seedlings. Mycorrhiza, 1996, 6, 451-454.	1.3	6

#	ARTICLE	IF	CITATIONS
109	Occurrence and types of ectomycorrhizae present in seedlings of <i>Picea glehnii</i> in a natural forest in Hokkaido. <i>Mycoscience</i> , 1995, 36, 335-339.	0.3	5
110	Mycorrhizae of <i>Monotropastrum giobosum</i> growing in a <i>Fagus crenata</i> forest. <i>Mycoscience</i> , 1995, 36, 461-464.	0.3	9
111	In vitro ectomycorrhizal formation in six varieties of pine. <i>Forest Ecology and Management</i> , 1992, 47, 127-134.	1.4	7
112	Influence of aluminum on in vitro formation of <i>Pinus caribaea</i> mycorrhizae. <i>Plant and Soil</i> , 1990, 124, 73-77.	1.8	14
113	By-Products as Substrates for Production of Selenium-Enriched <i>Pleurotus ostreatus</i> Mushrooms. <i>Waste and Biomass Valorization</i> , 0, , 1.	1.8	5
114	Effect of Inoculation of Pineapple Plantlets with Arbuscular Mycorrhizal Fungi Obtained from Different Inoculum Sources Multiplied by the On-Farm Method. <i>Revista Brasileira De Ciencia Do Solo</i> , 0, 43, .	0.5	7