

# Maria Catarina Megumi Kasuya

## List of Publications by Year in descending order

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114  
papers

2,160  
citations

257357

24  
h-index

330025

37  
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115  
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115  
docs citations

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times ranked

2441  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enrichment of <i>Pleurotus ostreatus</i> mushrooms with selenium in coffee husks. <i>Food Chemistry</i> , 2012, 131, 558-563.	4.2	96
2	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
3	Morphological and molecular characterization of mycorrhizal fungi isolated from neotropical orchids in Brazil. <i>Canadian Journal of Botany</i> , 2005, 83, 54-65.	1.2	69
4	Degradation of Oxo-Biodegradable Plastic by <i>Pleurotus ostreatus</i> . <i>PLoS ONE</i> , 2013, 8, e69386.	1.1	67
5	Tolerance of <i>Bradyrhizobium</i> strains to glyphosate formulations. <i>Crop Protection</i> , 2005, 24, 543-547.	1.0	62
6	Enrichment of mushrooms: An interesting strategy for the acquisition of lithium. <i>Food Chemistry</i> , 2012, 134, 1123-1127.	4.2	60
7	ANTIBACTERIAL ACTIVITY OF <i>LENTINULA EDODES</i> GROWN IN LIQUID MEDIUM. <i>Brazilian Journal of Microbiology</i> , 2001, 32, 206-210.	0.8	57
8	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
9	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
10	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
11	Agroecological coffee management increases arbuscular mycorrhizal fungi diversity. <i>PLoS ONE</i> , 2019, 14, e0209093.	1.1	47
12	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
13	Micorriza arbuscular e a tolerância das plantas ao estresse. <i>Revista Brasileira De Ciencia Do Solo</i> , 2012, 36, 1663-1679.	0.5	39
14	Abiotic and Biotic Degradation of Oxo-Biodegradable Plastic Bags by <i>Pleurotus ostreatus</i> . <i>PLoS ONE</i> , 2014, 9, e107438.	1.1	37
15	In vivo bioavailability of selenium in enriched <i>Pleurotus ostreatus</i> mushrooms. <i>Metallomics</i> , 2010, 2, 162.	1.0	34
16	Polymorphism in the internal transcribed spacer (ITS) of the ribosomal DNA of 26 isolates of ectomycorrhizal fungi. <i>Genetics and Molecular Biology</i> , 2002, 25, 477-483.	0.6	33
17	Extinction of anciently associated gut bacterial symbionts in a clade of stingless bees. <i>ISME Journal</i> , 2021, 15, 2813-2816.	4.4	30
18	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

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19	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
20	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
21	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
22	Vesicular-arbuscular-/ecto-mycorrhiza succession in seedlings of <i>Eucalyptus</i> spp.. <i>Brazilian Journal of Microbiology</i> , 2001, 32, 81.	0.8	27
23	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
24	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
25	Degradation of Green Polyethylene by <i>Pleurotus ostreatus</i> . <i>PLoS ONE</i> , 2015, 10, e0126047.	1.1	27
26	Indução in vitro da germinação de sementes de <i>Oncidium flexuosum</i> (Orchidaceae) por fungos micorrízicos rizotônicos. <i>Revista Brasileira De Ciencia Do Solo</i> , 2005, 29, 199-206.	0.5	26
27	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
28	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
29	Production of edible mushroom and degradation of antinutritional factors in <i>Jatropha</i> biodiesel residues. <i>LWT - Food Science and Technology</i> , 2013, 50, 575-580.	2.5	25
30	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
31	Nematophagous fungi increasing phosphorus uptake and promoting plant growth. <i>Biological Control</i> , 2018, 123, 71-75.	1.4	25
32	Atividade microbiana do solo em sistemas agroflorestais, monoculturas, mata natural e área desmatada. <i>Revista Arvore</i> , 2003, 27, 35-41.	0.5	24
33	Fungos micorrízicos associados a orquídeas em campos rupestres na região do Quadrilátero Ferrífero, MG, Brasil. <i>Acta Botanica Brasilica</i> , 2005, 19, 417-424.	0.8	24
34	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
35	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
36	<i>Pochonia chlamydosporia</i> promotes the growth of tomato and lettuce plants. <i>Acta Scientiarum - Agronomy</i> , 2015, 37, 417.	0.6	23

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37	Microbial fermentation affects sensorial, chemical, and microbial profile of coffee under carbonic maceration. <i>Food Chemistry</i> , 2021, 342, 128296.	4.2	23
38	Symbiotic propagation of seedlings of <i>Cyrtopodium glutiniferum</i> Raddi (Orchidaceae). <i>Acta Botanica Brasilica</i> , 2013, 27, 590-596.	0.8	21
39	Molecular characterization of <i>Pisolithus</i> spp. isolates by rDNA PCR-RFLP. <i>Mycorrhiza</i> , 1999, 8, 197-202.	1.3	20
40	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
41	Production of fungal enzymes in Macaãba coconut and enzymatic degradation of textile dye. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 26, 101651.	1.5	20
42	Growth and antibacterial activity of <i>Lentinula edodes</i> in liquid media supplemented with agricultural wastes. <i>Electronic Journal of Biotechnology</i> , 2005, 8, 212-217.	1.2	19
43	Isolamento e identificação de fungos micorrízicos rizotônicos associados a três espécies de orquídeas epífitas neotropicais no Brasil. <i>Revista Brasileira De Ciencia Do Solo</i> , 2005, 29, 191-197.	0.5	18
44	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
45	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, 1-6.	0.4	18
46	Nitrogen Supplementation on the Productivity and the Chemical Composition of Oyster Mushroom. <i>Journal of Food Research</i> , 2012, 1, .	0.1	18
47	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
48	COMPARATIVE ANATOMY OF CALOLISIANTHUS SPECIES (GENTIANACEAE "HELIEAE) FROM BRAZIL: TAXONOMIC ASPECTS. <i>Edinburgh Journal of Botany</i> , 2011, 68, 139-155.	0.4	17
49	Mycelial Growth of <i>Pleurotus</i> Spp in Se-Enriched Culture Media. <i>Advances in Microbiology</i> , 2013, 03, 11-18.	0.3	17
50	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
51	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
52	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
53	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
54	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

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55	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
56	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
57	Colonização micorrízica em plantios de eucalipto. <i>Revista Arvore</i> , 2011, 35, 965-974.	0.5	14
58	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
59	Small heat shock proteins in the development of thermotolerance in <i>Pisolithus</i> sp.. <i>Journal of Thermal Biology</i> , 2005, 30, 595-602.	1.1	13
60	Nitrogen-Fixing Bacteria in <i>Eucalyptus globulus</i> Plantations. <i>PLoS ONE</i> , 2014, 9, e111313.	1.1	13
61	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
62	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
63	Comparação de métodos para a observação de fungos micorrízicos arbusculares e endofíticos do tipo dark septate em espécies nativas de Cerrado. <i>Revista Brasileira De Ciencia Do Solo</i> , 2008, 32, 1883-1890.	0.5	12
64	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
65	Viability of ectomycorrhizal fungus mycelium entrapped in calcium alginate gel. <i>Mycorrhiza</i> , 1999, 8, 263-266.	1.3	11
66	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
67	Morfo-anatomia comparada de espécies da subtribo <i>Coutoubeinae</i> (Chironieae - Gentianaceae). <i>Acta Botanica Brasilica</i> , 2009, 23, 956-967.	0.8	11
68	Arbuscular mycorrhizal fungi (Glomeromycota) communities in tropical savannas of Roraima, Brazil. <i>Mycological Progress</i> , 2018, 17, 1149-1159.	0.5	10
69	Mycorrhizae of <i>Monotropastrum gibosum</i> growing in a <i>Fagus crenata</i> forest. <i>Mycoscience</i> , 1995, 36, 461-464.	0.3	9
70	Laccase production by <i>Lepista sordida</i> . <i>Brazilian Journal of Microbiology</i> , 2004, 35, 261-263.	0.8	9
71	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
72	Micorriza arbuscular e rizóbios no enraizamento e nutrição de mudas de angico-vermelho. <i>Revista Arvore</i> , 2012, 36, 1027-1038.	0.5	9

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73	Isolation and molecular characterization of Rhizoctonia-like fungi associated with orchid roots in the Quadrilátero Ferrífero and Zona da Mata regions of the state of Minas Gerais, Brazil. <i>Acta Botanica Brasilica</i> , 2014, 28, 298-300.	0.8	9
74	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
75	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
76	<i>Cyrtopodium paludicolum</i> germination with two <i>Tulasnella</i> isolates. <i>Acta Botanica Brasilica</i> , 2018, 32, 107-112.	0.8	8
77	Ocorrência de fungos endofíticos "dark septate" em raízes de <i>Oryza glumaepatula</i> na Amazônia. <i>Pesquisa Agropecuária Brasileira</i> , 2011, 46, 331-334.	0.9	8
78	Glyphosate drift affects arbuscular mycorrhizal association in coffee. <i>Planta Daninha</i> , 2014, 32, 783-789.	0.5	8
79	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
80	In vitro ectomycorrhizal formation in six varieties of pine. <i>Forest Ecology and Management</i> , 1992, 47, 127-134.	1.4	7
81	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
82	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
83	Isolamento e seleção de fungos causadores da podridão-branca da madeira em florestas de <i>Eucalyptus</i> spp. com potencial de degradação de cepas e raízes. <i>Revista Arvore</i> , 2007, 31, 145-155.	0.5	7
84	In vitro ectomycorrhizal formation in <i>Picea glehnii</i> seedlings. <i>Mycorrhiza</i> , 1996, 6, 451-454.	1.3	6
85	Plant-Microorganism Interactions: Effects on the Tolerance of Plants to Biotic and Abiotic Stresses. , 2013, , 209-238.		6
86	Production of Selenium-Enriched Mushrooms in Coffee Husks and Use of This Colonized Residue. , 2015, , 301-309.		6
87	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
88	Sensibilidade de estirpes de <i>Bradyrhizobium</i> ao glyphosate. <i>Revista Ceres</i> , 2010, 57, 28-33.	0.1	6
89	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
90	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

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91	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
92	In vitro 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
93	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
94	Plastics Polymers Degradation by Fungi. , 2020, , .		5
95	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
96	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
97	Compatibility and ectomycorrhiza formation among <i>Pisolithus</i> Isolates and <i>Eucalyptus</i> spp. <i>Revista Brasileira De Ciencia Do Solo</i> , 2005, 29, 337-344.	0.5	5
98	In vitro <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
99	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
100	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
101	Growth and Tolerance of <i>Pleurotus ostreatus</i> at Different Selenium Forms. <i>Journal of Agricultural Science</i> , 2019, 11, 151.	0.1	4
102	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
103	Structure of AMF Community in an Agroforestry System of Coffee and Macauba Palm. <i>Floresta E Ambiente</i> , 2021, 28, .	0.1	3
104	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
105	Bio-Detoxification of <i>Jatropha</i> Seed Cake and Its Use in Animal Feed. , 2012, , .		2
106	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
107	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
108	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

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109	Structure and putative function of a soil microbial community impacted by the deposition of tailings and subsequent revegetation after the rupture of the Fundao Dam. <i>Land Degradation and Development</i> , 2022, 33, 1235-1248.	1.8	2
110	Morphological and molecular characterization of <i>Pisolithus</i> occurring in Hokkaido Island, Northern Japan. <i>Mycoscience</i> , 2008, 49, 334-338.	0.3	1
111	Potassium and growth-promoting fungi improve the postharvest quality of grape tomato. <i>Semina: Ciências Agrárias</i> , 2022, 43, 675-692.	0.1	1
112	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
113	Soil Microorganisms and Quality of the Coffee Beverage. <i>Food Engineering Series</i> , 2021, , 101-147.	0.3	0
114	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