Fernanda Cssio

List of Publications by Year in Descending Order

Source: https://exaly.com/author-pdf/9059762/fernanda-cassio-publications-by-year.pdf
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108 papers	2,899 citations	31 h-index	49 g-index
114 ext. papers	3,277 ext. citations	5.5 avg, IF	5.36 L-index

#	Paper	IF	Citations
108	Elevated temperature may reduce functional but not taxonomic diversity of fungal assemblages on decomposing leaf litter in streams. *Global Change Biology*, **2022**, 28, 115-127	11.4	0
107	Combined per-capita and abundance effects of an invasive species on native invertebrate diversity and a key ecosystem process. *Freshwater Biology*, **2022**, 67, 828-841	3.1	1
106	Can microplastics from personal care products affect stream microbial decomposers in the presence of silver nanoparticles?. *Science of the Total Environment*, **2022**, 832, 155038	10.2	1
105	Eco-physiological Responses of Aquatic Fungi to Three Global Change Stressors Highlight the Importance of Intraspecific Trait Variability.. *Microbial Ecology*, **2022**, 1	4.4	1
104	Antiparasitic potential of agrochemical fungicides on a non-target aquatic model (Daphnia □ Metschnikowia host-parasite system).. *Science of the Total Environment*, **2022**, 155296	10.2	0
103	Evidence of micro and macroplastic toxicity along a stream detrital food-chain.. *Journal of Hazardous Materials*, **2022**, 436, 129064	12.8	0
102	Individual and mixed effects of anticancer drugs on freshwater rotifers: A multigenerational approach. *Ecotoxicology and Environmental Safety*, **2021**, 227, 112893	7	1
101	Can photocatalytic and magnetic nanoparticles be a threat to aquatic detrital food webs?. *Science of the Total Environment*, **2021**, 769, 144576	10.2	5
100	Transcriptomics reveals the action mechanisms and cellular targets of citrate-coated silver nanoparticles in a ubiquitous aquatic fungus. *Environmental Pollution*, **2021**, 268, 115913	9.3	3
99	Linking Microbial Decomposer Diversity to Plant Litter Decomposition and Associated Processes in Streams **2021**, 163-192		1
98	Priority effects of stream eutrophication and assembly history on beta diversity across aquatic consumers, decomposers and producers. *Science of the Total Environment*, **2021**, 797, 149106	10.2	2
97	Importance of exposure route in determining nanosilver impacts on a stream detrital processing chain. *Environmental Pollution*, **2021**, 290, 118088	9.3	0
96	The Increase in Temperature Overwhelms Silver Nanoparticle Effects on the Aquatic Invertebrate Limnephilus sp. *Environmental Toxicology and Chemistry*, **2020**, 39, 1429-1437	3.8	5
95	Nanosilver impacts on aquatic microbial decomposers and litter decomposition assessed as pollution-induced community tolerance (PICT). *Environmental Science: Nano*, **2020**, 7, 2130-2139	7.1	6
94	Riparian land use and stream habitat regulate water quality. *Limnologica*, **2020**, 82, 125762	2	6
93	Legacy of Summer Drought on Autumnal Leaf Litter Processing in a Temporary Mediterranean Stream. *Ecosystems*, **2020**, 23, 989-1003	3.9	13
92	Fungistatic effect of agrochemical and pharmaceutical fungicides on non-target aquatic decomposers does not translate into decreased fungi- or invertebrate-mediated decomposition. *Science of the Total Environment*, **2020**, 712, 135676	10.2	12

91	Proteomic responses to silver nanoparticles vary with the fungal ecotype. *Science of the Total Environment*, **2020**, 704, 135385	10.2	11
90	Effects of metal nanoparticles on freshwater rotifers may persist across generations. *Aquatic Toxicology*, **2020**, 229, 105652	5.1	6
89	Biochemical and functional responses of stream invertebrate shredders to post-wildfire contamination. *Environmental Pollution*, **2020**, 267, 115433	9.3	7
88	Reply to the "Letter to the editor, Proteomic responses to silver nanoparticles vary with the fungal ecotype" by Huang et al. *Science of the Total Environment*, **2020**, 748, 142402	10.2	
87	Proteomics and antioxidant enzymes reveal different mechanisms of toxicity induced by ionic and nanoparticulate silver in bacteria. *Environmental Science: Nano*, **2019**, 6, 1207-1218	7.1	23
86	Potential of Yeasts as Biocontrol Agents of the Phytopathogen Causing Cacao : Is Microbial Warfare a Solution?. *Frontiers in Microbiology*, **2019**, 10, 1766	5.7	17
85	Intraspecific diversity affects stress response and the ecological performance of a cosmopolitan aquatic fungus. *Fungal Ecology*, **2019**, 41, 218-223	4.1	4
84	Wildfire impacts on freshwater detrital food webs depend on runoff load, exposure time and burnt forest type. *Science of the Total Environment*, **2019**, 692, 691-700	10.2	22
83	Effects of intrapopulation phenotypic traits of invasive crayfish on leaf litter processing. *Hydrobiologia*, **2018**, 819, 67-75	2.4	3
82	Microbial decomposition is highly sensitive to leaf litter emersion in a permanent temperate stream. *Science of the Total Environment*, **2018**, 621, 486-496	10.2	24
81	Spring stimulates leaf decomposition in moderately eutrophic streams. *Aquatic Sciences*, **2017**, 79, 197-207	2.5	9
80	How do physicochemical properties influence the toxicity of silver nanoparticles on freshwater decomposers of plant litter in streams?. *Ecotoxicology and Environmental Safety*, **2017**, 140, 148-155	7	24
79	New climatic targets against global warming: will the maximum 2 °C temperature rise affect estuarine benthic communities?. *Scientific Reports*, **2017**, 7, 3918	4.9	7
78	Temperature modulates AgNP impacts on microbial decomposer activity. *Science of the Total Environment*, **2017**, 601-602, 1324-1332	10.2	28
77	Responses of microbial decomposers to drought in streams may depend on the environmental context. *Environmental Microbiology Reports*, **2017**, 9, 756-765	3.7	16
76	Does the developmental stage and composition of riparian forest stand affect ecosystem functioning in streams?. *Science of the Total Environment*, **2017**, 609, 1500-1511	10.2	12
75	Taxa-area relationship of aquatic fungi on deciduous leaves. *PLoS ONE*, **2017**, 12, e0181545	3.7	13
74	Biogeography of aquatic hyphomycetes: Current knowledge and future perspectives. *Fungal Ecology*, **2016**, 19, 169-181	4.1	55

73	Humic acid can mitigate the toxicity of small copper oxide nanoparticles to microbial decomposers and leaf decomposition in streams. *Freshwater Biology*, **2016**, 61, 2197-2210	3.1	24
72	Structural and functional measures of leaf-associated invertebrates and fungi as predictors of stream eutrophication. *Ecological Indicators*, **2016**, 69, 648-656	5.8	26
71	Ethanol and phenanthrene increase the biomass of fungal assemblages and decrease plant litter decomposition in streams. *Science of the Total Environment*, **2016**, 565, 489-495	10.2	3
70	Differences in the sensitivity of fungi and bacteria to season and invertebrates affect leaf litter decomposition in a Mediterranean stream. *FEMS Microbiology Ecology*, **2016**, 92,	4.3	31
69	Direct and indirect effects of an invasive omnivore crayfish on leaf litter decomposition. *Science of the Total Environment*, **2016**, 541, 714-720	10.2	13
68	Pollution-induced community tolerance (PICT): towards an ecologically relevant risk assessment of chemicals in aquatic systems. *Freshwater Biology*, **2016**, 61, 2141-2151	3.1	53
67	Seasonal Variability May Affect Microbial Decomposers and Leaf Decomposition More Than Warming in Streams. *Microbial Ecology*, **2016**, 72, 263-76	4.4	22
66	Effects of inter and intraspecific diversity and genetic divergence of aquatic fungal communities on leaf litter decomposition-a microcosm experiment. *FEMS Microbiology Ecology*, **2016**, 92,	4.3	8
65	Enzymatic biomarkers can portray nanoCuO-induced oxidative and neuronal stress in freshwater shredders. *Aquatic Toxicology*, **2016**, 180, 227-235	5.1	16
64	Natural organic matter alters size-dependent effects of nanoCuO on the feeding behaviour of freshwater invertebrate shredders. *Science of the Total Environment*, **2015**, 535, 94-101	10.2	13
63	Fungi from metal-polluted streams may have high ability to cope with the oxidative stress induced by copper oxide nanoparticles. *Environmental Toxicology and Chemistry*, **2015**, 34, 923-30	3.8	26
62	Plant litter diversity affects invertebrate shredder activity and the quality of fine particulate organic matter in streams. *Marine and Freshwater Research*, **2015**, 66, 449	2.2	14
61	Responses of primary production, leaf litter decomposition and associated communities to stream eutrophication. *Environmental Pollution*, **2015**, 202, 32-40	9.3	45
60	Microscopy- or DNA-based analyses: Which methodology gives a truer picture of stream-dwelling decomposer fungal diversity?. *Fungal Ecology*, **2015**, 18, 130-134	4.1	12
59	Some new DNA barcodes of aquatic hyphomycete species. *Mycoscience*, **2015**, 56, 102-108	1.2	13
58	Stream-dwelling fungal decomposer communities along a gradient of eutrophication unraveled by 454 pyrosequencing. *Fungal Diversity*, **2015**, 70, 127-148	17.6	58
57	Eutrophication modulates plant-litter diversity effects on litter decomposition in streams. *Freshwater Science*, **2015**, 34, 31-41	2	14
56	Polyhydroxyfullerene binds cadmium ions and alleviates metal-induced oxidative stress in Saccharomyces cerevisiae. *Applied and Environmental Microbiology*, **2014**, 80, 5874-81	4.8	12

55	Elevated temperature may intensify the positive effects of nutrients on microbial decomposition in streams. *Freshwater Biology*, **2014**, 59, 2390-2399	3.1	63
54	Physiological responses to nanoCuO in fungi from non-polluted and metal-polluted streams. *Science of the Total Environment*, **2014**, 466-467, 556-63	10.2	25
53	Temperature alters interspecific relationships among aquatic fungi. *Fungal Ecology*, **2013**, 6, 187-191	4.1	18
52	A decadeS perspective on the impact of DNA sequencing on aquatic hyphomycete research. *Fungal Biology Reviews*, **2013**, 27, 19-24	6.8	18
51	Fsy1, the sole hexose-proton transporter characterized in Saccharomyces yeasts, exhibits a variable fructose:H(+) stoichiometry. *Biochimica Et Biophysica Acta - Biomembranes*, **2013**, 1828, 201-7	3.8	22
50	Effects of riparian plant diversity loss on aquatic microbial decomposers become more pronounced with increasing time. *Microbial Ecology*, **2013**, 66, 763-72	4.4	16
49	Impacts of warming on aquatic decomposers along a gradient of cadmium stress. *Environmental Pollution*, **2012**, 169, 35-41	9.3	36
48	The role of the freshwater shrimp Atyaephyra desmarestii in leaf litter breakdown in streams. *Hydrobiologia*, **2012**, 680, 149-157	2.4	9
47	Higher temperature reduces the effects of litter quality on decomposition by aquatic fungi. *Freshwater Biology*, **2012**, 57, 2306-2317	3.1	54
46	Effects of increased temperature and aquatic fungal diversity on litter decomposition. *Fungal Ecology*, **2012**, 5, 734-740	4.1	48
45	Copper oxide nanoparticles can induce toxicity to the freshwater shredder Allogamus ligonifer. *Chemosphere*, **2012**, 89, 1142-50	8.4	45
44	Intraspecific variation of the aquatic fungus Articulospora tetracladia: an ubiquitous perspective. *PLoS ONE*, **2012**, 7, e35884	3.7	27
43	The Use of Attached Microbial Communities to Assess Ecological Risks of Pollutants in River Ecosystems: The Role of Heterotrophs. *Handbook of Environmental Chemistry*, **2012**, 55-83	0.8	9
42	Denaturing Gradient Gel Electrophoresis (DGGE) in Microbial Ecology - Insights from Freshwaters **2012**,		6
41	Preliminary insights into the phylogeography of six aquatic hyphomycete species. *PLoS ONE*, **2012**, 7, e45289	3.7	17
40	Intraspecific traits change biodiversity effects on ecosystem functioning under metal stress. *Oecologia*, **2011**, 166, 1019-28	2.9	56
39	Effects of cadmium and phenanthrene mixtures on aquatic fungi and microbially mediated leaf litter decomposition. *Archives of Environmental Contamination and Toxicology*, **2011**, 61, 211-9	3.2	30
38	Can metal nanoparticles be a threat to microbial decomposers of plant litter in streams?. *Microbial Ecology*, **2011**, 62, 58-68	4.4	106

37	Assessing the Contribution of Micro-Organisms and Macrofauna to Biodiversity-Ecosystem Functioning Relationships in Freshwater Microcosms. *Advances in Ecological Research*, **2010**, 151-176	4.6	27
36	When Microscopic Organisms Inform General Ecological Theory. *Advances in Ecological Research*, **2010**, 43, 45-85	4.6	16
35	Effects of metals on growth and sporulation of aquatic fungi. *Drug and Chemical Toxicology*, **2010**, 33, 269-78	2.3	29
34	Realized fungal diversity increases functional stability of leaf litter decomposition under zinc stress. *Microbial Ecology*, **2010**, 59, 84-93	4.4	43
33	DNA barcoding of fungi: a case study using ITS sequences for identifying aquatic hyphomycete species. *Fungal Diversity*, **2010**, 44, 77-87	17.6	37
32	Assessing the dynamic of microbial communities during leaf decomposition in a low-order stream by microscopic and molecular techniques. *Microbiological Research*, **2010**, 165, 351-62	5.3	56
31	Effects of Zn, Fe and Mn on Leaf Litter Breakdown by Aquatic Fungi: a Microcosm Study. *International Review of Hydrobiology*, **2010**, 95, 12-26	2.3	23
30	Microbial decomposer communities are mainly structured by trophic status in circumneutral and alkaline streams. *Applied and Environmental Microbiology*, **2009**, 75, 6211-21	4.8	57
29	Mixtures of zinc and phosphate affect leaf litter decomposition by aquatic fungi in streams. *Science of the Total Environment*, **2009**, 407, 4283-8	10.2	35
28	The Role of Early Fungal Colonizers in Leaf-Litter Decomposition in Portuguese Streams Impacted by Agricultural Runoff. *International Review of Hydrobiology*, **2009**, 94, 399-409	2.3	31
27	Responses of Aquatic Fungal Communities on Leaf Litter to Temperature-Change Events. *International Review of Hydrobiology*, **2009**, 94, 410-418	2.3	35
26	Functional stability of stream-dwelling microbial decomposers exposed to copper and zinc stress. *Freshwater Biology*, **2009**, 54, 1683-1691	3.1	37
25	Metal stress induces programmed cell death in aquatic fungi. *Aquatic Toxicology*, **2009**, 92, 264-70	5.1	25
24	High diversity of fungi may mitigate the impact of pollution on plant litter decomposition in streams. *Microbial Ecology*, **2008**, 56, 688-95	4.4	41
23	Copper and zinc mixtures induce shifts in microbial communities and reduce leaf litter decomposition in streams. *Freshwater Biology*, **2007**, 53, 070908014237001-???	3.1	16
22	Responses of antioxidant defenses to Cu and Zn stress in two aquatic fungi. *Science of the Total Environment*, **2007**, 377, 233-43	10.2	76
21	Assessing effects of eutrophication in streams based on breakdown of eucalypt leaves. *Fundamental and Applied Limnology*, **2007**, 168, 221-230	1.9	19
20	Effects of heavy metals on the production of thiol compounds by the aquatic fungi Fontanospora fusiramosa and Flagellospora curta. *Ecotoxicology and Environmental Safety*, **2007**, 66, 36-43	7	37

19	Metal-binding proteins and peptides in the aquatic fungi Fontanospora fusiramosa and Flagellospora curta exposed to severe metal stress. *Science of the Total Environment*, **2006**, 372, 148-56	10.2	28
18	Functional purification of the monocarboxylate transporter of the yeast Candida utilis. *Biotechnology Letters*, **2006**, 28, 1221-6	3	1
17	Aquatic hyphomycete diversity and identity affect leaf litter decomposition in microcosms. *Oecologia*, **2006**, 147, 658-66	2.9	134
16	Role of fungi, bacteria, and invertebrates in leaf litter breakdown in a polluted river. *Journal of the North American Benthological Society*, **2005**, 24, 784-797		100
15	Evaluation of the Lactic Acid Consumption in Yeast Cultures by Voltammetric Means. *Electroanalysis*, **2005**, 17, 483-488	3	2
14	Anthropogenic stress may affect aquatic hyphomycete diversity more than leaf decomposition in a low-order stream. *Archiv F� Hydrobiologie*, **2005**, 162, 481-496		98
13	Contribution of fungi and bacteria to leaf litter decomposition in a polluted river. *Applied and Environmental Microbiology*, **2004**, 70, 5266-73	4.8	245
12	Effects of zinc on leaf decomposition by fungi in streams: studies in microcosms. *Microbial Ecology*, **2004**, 48, 366-74	4.4	42
11	Assessment of Candida utilis growth by voltammetric reduction of acids using microelectrodes. *Journal of Electroanalytical Chemistry*, **2004**, 566, 139-145	4.1	3
10	Assessing structural and functional ecosystem condition using leaf breakdown: studies on a polluted river. *Freshwater Biology*, **2003**, 48, 2033-2044	3.1	102
9	Functional expression of the lactate permease Jen1p of Saccharomyces cerevisiae in Pichia pastoris. *Biochemical Journal*, **2003**, 376, 781-7	3.8	27
8	Leaf Breakdown Rates: a Measure of Water Quality?. *International Review of Hydrobiology*, **2001**, 86, 407-416	2.3	46
7	O efeito da complexidade estrutural da fonte de nitrog�io no transporte de am�io em Saccharomyces cerevisiae. *Ecletica Quimica*, **2001**, 26, 157-173	2.6	
6	Leaf Breakdown Rates: a Measure of Water Quality? **2001**, 86, 407		2
5	Utilization and transport of acetic acid in Dekkera anomala and their implications on the survival of the yeast in acidic environments. *Journal of Food Protection*, **2000**, 63, 96-101	2.5	19
4	L-[U-14C] lactate binding to a 43 kDa protein in plasma membranes of Candida utilis. *Microbiology (United Kingdom)*, **2000**, 146 (Pt 3), 695-699	2.9	1
3	Reconstitution of lactate proton symport activity in plasma membrane vesicles from the yeast Candida utilis **1996**, 12, 1263-1272		9
2	Quantitative analysis of proton movements associated with the uptake of weak carboxylic acids. The yeast Candida utilis as a model. *Biochimica Et Biophysica Acta - Biomembranes*, **1993**, 1153, 59-66	3.8	10

1	A comparative study on the transport of L(-)malic acid and other short-chain carboxylic acids in the yeast Candida utilis: evidence for a general organic acid permease. *Yeast*, **1993**, 9, 743-52	3.4	41