

Maria Teresa Ceccherini

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4436296/publications.pdf>

Version: 2024-02-01

56
papers

4,378
citations

159525

30
h-index

161767

54
g-index

58
all docs

58
docs citations

58
times ranked

5561
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial diversity and soil functions. <i>European Journal of Soil Science</i> , 2003, 54, 655-670.	1.8	1,496
2	Extracellular DNA in soil and sediment: fate and ecological relevance. <i>Biology and Fertility of Soils</i> , 2009, 45, 219-235.	2.3	408
3	Distribution of microbial communities in a forest soil profile investigated by microbial biomass, soil respiration and DGGE of total and extracellular DNA. <i>Soil Biology and Biochemistry</i> , 2004, 36, 859-868.	4.2	272
4	Microbial diversity and soil functions. <i>European Journal of Soil Science</i> , 2017, 68, 12-26.	1.8	268
5	Direct molecular biological analysis of ammonia oxidising bacteria populations in cultivated soil plots treated with swine manure. <i>FEMS Microbiology Ecology</i> , 2006, 23, 45-54.	1.3	105
6	Hydrolase activity, microbial biomass and community structure in long-term Cd-contaminated soils. <i>Soil Biology and Biochemistry</i> , 2004, 36, 443-451.	4.2	100
7	Degradation and Transformability of DNA from Transgenic Leaves. <i>Applied and Environmental Microbiology</i> , 2003, 69, 673-678.	1.4	92
8	Beyond microbial diversity for predicting soil functions: A mini review. <i>Pedosphere</i> , 2020, 30, 5-17.	2.1	85
9	A simplified rapid, low-cost and versatile DNA-based assessment of soil microbial biomass. <i>Ecological Indicators</i> , 2014, 45, 75-82.	2.6	79
10	Fate and transport of antibiotic resistance genes in saturated soil columns. <i>European Journal of Soil Biology</i> , 2003, 39, 65-71.	1.4	75
11	Sequential extraction and genetic fingerprinting of a forest soil metagenome. <i>Applied Soil Ecology</i> , 2009, 42, 176-181.	2.1	74
12	Effect of Mediterranean Diet Enriched in High Quality Extra Virgin Olive Oil on Oxidative Stress, Inflammation and Gut Microbiota in Obese and Normal Weight Adult Subjects. <i>Frontiers in Pharmacology</i> , 2019, 10, 1366.	1.6	72
13	Soil Pollution from Micro- and Nanoplastic Debris: A Hidden and Unknown Biohazard. <i>Sustainability</i> , 2020, 12, 7255.	1.6	70
14	Long-term effects of aided phytostabilisation of trace elements on microbial biomass and activity, enzyme activities, and composition of microbial community in the Jales contaminated mine spoils. <i>Environmental Pollution</i> , 2008, 152, 702-712.	3.7	66
15	Adsorption of pure and dirty bacterial DNA on clay minerals and their transformation frequency. <i>Biology and Fertility of Soils</i> , 2007, 43, 731-739.	2.3	63
16	Composition, biomass and activity of microflora, and leaf yields and foliar elemental concentrations of lettuce, after in situ stabilization of an arsenic-contaminated soil. <i>Applied Soil Ecology</i> , 2009, 41, 351-359.	2.1	63
17	Evaluation of the Performances of Ribosomal Database Project (RDP) Classifier for Taxonomic Assignment of 16S rRNA Metabarcoding Sequences Generated from Illumina-Solexa NGS. <i>Journal of Genomics</i> , 2015, 3, 36-39.	0.6	59
18	Are humus forms, mesofauna and microflora in subalpine forest soils sensitive to thermal conditions?. <i>Biology and Fertility of Soils</i> , 2012, 48, 709-725.	2.3	57

#	ARTICLE	IF	CITATIONS
19	Amino Acid: Its Dual Role as Nutrient and Scavenger of Free Radicals in Soil. <i>Sustainability</i> , 2017, 9, 1402.	1.6	55
20	Phosphomonoesterase production and persistence and composition of bacterial communities during plant material decomposition in soils with different pH values. <i>Soil Biology and Biochemistry</i> , 2006, 38, 795-802.	4.2	54
21	Microbial community development and unseen diversity recovery in inoculated sterile soil. <i>Biology and Fertility of Soils</i> , 2014, 50, 1069-1076.	2.3	53
22	Protease encoding microbial communities and protease activity of the rhizosphere and bulk soils of two maize lines with different N uptake efficiency. <i>Soil Biology and Biochemistry</i> , 2016, 96, 176-179.	4.2	49
23	Seasonal variation and distribution of total and active microbial community of β -glucosidase encoding genes in coniferous forest soil. <i>Soil Biology and Biochemistry</i> , 2017, 105, 71-80.	4.2	46
24	Assessment of some cultural experimental methods to study the effects of antibiotics on microbial activities in a soil: An incubation study. <i>PLoS ONE</i> , 2017, 12, e0180663.	1.1	44
25	Maize lines with different nitrogen use efficiency select bacterial communities with different β -glucosidase-encoding genes and glucosidase activity in the rhizosphere. <i>Biology and Fertility of Soils</i> , 2015, 51, 995-1004.	2.3	40
26	Impact of chlortetracycline and sulfapyridine antibiotics on soil enzyme activities. <i>International Agrophysics</i> , 2017, 31, 499-505.	0.7	38
27	Physico-chemical and microbiological evidence of exposure effects on <i>Picea abies</i> "Coarse woody debris at different stages of decay. <i>Forest Ecology and Management</i> , 2017, 391, 376-389.	1.4	37
28	Enzyme activity and microbial community structure in the rhizosphere of two maize lines differing in N use efficiency. <i>Plant and Soil</i> , 2015, 387, 413-424.	1.8	36
29	Experimental discrimination and molecular characterization of the extracellular soil DNA fraction. <i>Antonie Van Leeuwenhoek</i> , 2009, 96, 653-657.	0.7	35
30	Purification and isotopic signatures ($\delta^{13}C$, $\delta^{15}N$, $\delta^{14}C$) of soil extracellular DNA. <i>Biology and Fertility of Soils</i> , 2007, 44, 353-361.	2.3	33
31	Vertical advection of extracellular DNA by water capillarity in soil columns. <i>Soil Biology and Biochemistry</i> , 2007, 39, 158-163.	4.2	31
32	Effects of swine manure fertilization on autotrophic ammonia oxidizing bacteria in soil. <i>Applied Soil Ecology</i> , 1998, 7, 149-157.	2.1	26
33	Microbial dynamics in Mediterranean Moder humus. <i>Biology and Fertility of Soils</i> , 2012, 48, 259-270.	2.3	26
34	Rhizosphere as Hotspot for Plant-Soil-Microbe Interaction. , 2020, , 17-43.		26
35	Phylogeny of the genus based on 16S rDNA sequence. <i>FEMS Microbiology Letters</i> , 1995, 129, 195-200.	0.7	19
36	Leaching and transformability of transgenic DNA in unsaturated soil columns. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 67-72.	2.9	19

#	ARTICLE	IF	CITATIONS
37	Nannipieri, P., Ascher, J., Ceccherini, M.T., Landi, L., Pietramellara, G. & Renella, G. 2003. Microbial diversity and soil functions. <i>European Journal of Soil Science</i> , 54, 655-670. <i>European Journal of Soil Science</i> , 2017, 68, 2-5.	1.8	19
38	The effect of pharmaceutical waste-fungal biomass, treated to degrade DNA, on the composition of eubacterial and ammonia oxidizing populations of soil. <i>Biology and Fertility of Soils</i> , 2007, 44, 299-306.	2.3	18
39	Use of random amplified polymorphic DNA markers for the detection of <i>Azospirillum</i> strains in soil microcosms. <i>Applied Microbiology and Biotechnology</i> , 1998, 49, 221-225.	1.7	15
40	Evaluation of the denaturing gradient gel electrophoresis-apparatus as a parameter influencing soil microbial community fingerprinting. <i>World Journal of Microbiology and Biotechnology</i> , 2010, 26, 1721-1726.	1.7	15
41	Cattle impact on composition of archaeal, bacterial, and fungal communities by comparative fingerprinting of total and extracellular DNA. <i>Biology and Fertility of Soils</i> , 2013, 49, 351-361.	2.3	15
42	Immediate- and Short-term Wildfire Impact on Soil Microbial Diversity and Activity in a Mediterranean Forest Soil. <i>Soil Science</i> , 2019, 184, 35-42.	0.9	15
43	Long-term persistence and bacterial transformation potential of transplastomic plant DNA in soil. <i>Research in Microbiology</i> , 2010, 161, 326-334.	1.0	12
44	Physical protection of extracellular and intracellular DNA in soil aggregates against simulated natural oxidative processes. <i>Applied Soil Ecology</i> , 2021, 165, 104002.	2.1	12
45	Molecular discrimination of bacteria (organic versus mineral soil layers) of dry woodlands of Argentina. <i>Journal of Arid Environments</i> , 2012, 85, 18-26.	1.2	11
46	<i>In-field</i> detection and quantification of extracellular DNA. <i>Journal of Plant Nutrition and Soil Science</i> , 2009, 172, 626-629.	1.1	9
47	Response of Soil Bacterial Community to Application of Organic and Inorganic Phosphate Based Fertilizers under <i>Vicia faba</i> L. Cultivation at Two Different Phenological Stages. <i>Sustainability</i> , 2020, 12, 9706.	1.6	9
48	Exploring the dynamics of bacterial community composition in soil: the pan-bacteriome approach. <i>Antonie Van Leeuwenhoek</i> , 2015, 107, 785-797.	0.7	8
49	Preliminary evidences of the presence of extracellular DNA single stranded forms in soil. <i>PLoS ONE</i> , 2020, 15, e0227296.	1.1	7
50	Persistence of transgenic and not transgenic extracellular DNA in soil and bacterial transformation. <i>Theoretical Biology Forum</i> , 2006, 99, 37-68.	0.2	7
51	Chemical and microbiological changes in Norway spruce deadwood during the early stage of decomposition as a function of exposure in an alpine setting. <i>Arctic, Antarctic, and Alpine Research</i> , 2018, 50, .	0.4	6
52	Soil microbiome biomass, activity, composition and CO_2 emissions in a long-term organic and conventional farming systems. <i>Soil Use and Management</i> , 2023, 39, 588-605.	2.6	6
53	Upward movement of <i>Verticillium dahliae</i> from soil to olive plants detected by qPCR. <i>World Journal of Microbiology and Biotechnology</i> , 2013, 29, 1961-1967.	1.7	5
54	Oral <i>Lactobacillus</i> Species in Systemic Sclerosis. <i>Microorganisms</i> , 2021, 9, 1298.	1.6	4

#	ARTICLE	IF	CITATIONS
55	The extracellular DNA can baffle the assessment of soil bacterial community, but the effect varies with microscale spatial distribution. FEMS Microbiology Letters, 2021, 368, .	0.7	4
56	Soil carbon dioxide emission flux from organic and conventional farming in a long term experiment in Tuscany. , 2019, , .		2