Lucia Cavalca

List of Publications by Year
in descending order

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42 papers	1,792 citations	361413 20 h-index	276875 41 g-index
43 all docs	43 docs citations	43 times ranked	2413 citing authors

#	Article	IF	Citations
1	Plant nutrients recovery from agro-food wastewaters using microbial electrochemical technologies based on porous biocompatible materials. Journal of Environmental Chemical Engineering, 2022, 10, 107453.	6.7	3
2	Adaptation of Microbial Communities to Environmental Arsenic and Selection of Arsenite-Oxidizing Bacteria From Contaminated Groundwaters. Frontiers in Microbiology, 2021, 12, 634025.	3.5	12
3	Effectiveness of Permeable Reactive Bio-Barriers for Bioremediation of an Organohalide-Polluted Aquifer by Natural-Occurring Microbial Community. Water (Switzerland), 2021, 13, 2442.	2.7	4
4	Exposure to different arsenic species drives the establishment of iron- and sulfur-oxidizing bacteria on rice root iron plaques. World Journal of Microbiology and Biotechnology, 2019, 35, 117.	3.6	13
5	Transcriptomic Analysis of Two Thioalkalivibrio Species Under Arsenite Stress Revealed a Potential Candidate Gene for an Alternative Arsenite Oxidation Pathway. Frontiers in Microbiology, 2019, 10, 1514.	3.5	9
6	Exploring Biodiversity and Arsenic Metabolism of Microbiota Inhabiting Arsenic-Rich Groundwaters in Northern Italy. Frontiers in Microbiology, 2019, 10, 1480.	3.5	26
7	Bioelectrochemical Nitrogen fixation (e-BNF): Electro-stimulation of enriched biofilm communities drives autotrophic nitrogen and carbon fixation. Bioelectrochemistry, 2019, 125, 105-115.	4.6	28
8	Characterization of As(III) oxidizing Achromobacter sp. strain N2: effects on arsenic toxicity and translocation in rice. Annals of Microbiology, 2018, 68, 295-304.	2.6	15
9	Rice Paddy Nitrospirae Carry and Express Genes Related to Sulfate Respiration: Proposal of the New Genus â€œCandidatus Sulfobiumâ€• Applied and Environmental Microbiology, 2018, 84, .	3.1	83
10	A study of microbial communities on terracotta separator and on biocathode of air breathing microbial fuel cells. Bioelectrochemistry, 2018, 120, 18-26.	4.6	48
11	Rhizospheric iron and arsenic bacteria affected by water regime: Implications for metalloid uptake by rice. Soil Biology and Biochemistry, 2017, 106, 129-137.	8.8	41
12	Influences of dissolved oxygen concentration on biocathodic microbial communities in microbial fuel cells. Bioelectrochemistry, 2017, 116, 39-51.	4.6	101
13	Influence of water management on the active root-associated microbiota involved in arsenic, iron, and sulfur cycles in rice paddies. Applied Microbiology and Biotechnology, 2017, 101, 6725-6738.	3.6	32
14	Phylogenetic Structure and Metabolic Properties of Microbial Communities in Arsenic-Rich Waters of Geothermal Origin. Frontiers in Microbiology, 2017, 8, 2468.	3.5	17
15	Bacterial Diversity and Bioremediation Potential of the Highly Contaminated Marine Sediments at El-Max District (Egypt, Mediterranean Sea). BioMed Research International, 2015, 2015, 1-17.	1.9	14
16	Rhizobacterial communities associated with spontaneous plant species in long-term arsenic contaminated soils. World Journal of Microbiology and Biotechnology, 2015, 31, 735-746.	3.6	20
17	Arsenic in the Soil Environment: Mobility and Phytoavailability. Environmental Engineering Science, 2015, 32, 551-563.	1.6	46
18	Characterization of the arsenite oxidizer Aliihoeflea sp. strain 2WW and its potential application in the removal of arsenic from groundwater in combination with Pf-ferritin. Antonie Van Leeuwenhoek, 2015, 108, 673-684.	1.7	10

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19	Effectiveness of various sorbents and biological oxidation in the removal of arsenic species from groundwater. Environmental Chemistry, 2014, 11, 558.	1.5	8
20	Arsenic transforming abilities of groundwater bacteria and the combined use of Aliihoeflea sp. strain 2WW and goethite in metalloid removal. Journal of Hazardous Materials, 2014, 269, 89-97.	12.4	47
21	Aerobic biodegradation of propylene glycol by soil bacteria. Biodegradation, 2013, 24, 603-613.	3.0	14
22	Rhizosphere colonization and arsenic translocation in sunflower (Helianthus annuus L.) by arsenate reducing Alcaligenes sp. strain Dhal-L. World Journal of Microbiology and Biotechnology, 2013, 29, 1931-1940.	3.6	12
23	Draft Genome Sequence of the Arsenite-Oxidizing Strain Aliihoeflea sp. 2WW, Isolated from Arsenic-Contaminated Groundwater. Genome Announcements, 2013, 1, .	0.8	7
24	Microbial transformations of arsenic: perspectives for biological removal of arsenic from water. Future Microbiology, 2013, 8, 753-768.	2.0	103
25	Arsenite Oxidation in Ancylobacter dichloromethanicus As3-1b Strain: Detection of Genes Involved in Arsenite Oxidation and CO2 Fixation. Current Microbiology, 2012, 65, 212-218.	2.2	45
26	Influence of microorganisms on arsenic mobilization and speciation in a submerged contaminated soil: Effects of citrate. Applied Soil Ecology, 2011, 49, 99-106.	4.3	17
27	Bioremediation of polyaromatic hydrocarbon contaminated soils by native microflora and bioaugmentation with Sphingobium chlorophenolicum strain C3R: A feasibility study in solid- and slurry-phase microcosms. International Biodeterioration and Biodegradation, 2011, 65, 191-197.	3.9	46
28	Impact of glucose on microbial community of a soil containing pyrite cinders: Role of bacteria in arsenic mobilization under submerged condition. Soil Biology and Biochemistry, 2010, 42, 699-707.	8.8	41
29	Arsenic-resistant bacteria associated with roots of the wild Cirsium arvense (L.) plant from an arsenic polluted soil, and screening of potential plant growth-promoting characteristics. Systematic and Applied Microbiology, 2010, 33, 154-164.	2.8	121
30	Biodegradation of phenanthrene and analysis of degrading cultures in the presence of a model organo-mineral matrix and of a simulated NAPL phase. Biodegradation, 2008, 19, 1-13.	3.0	15
31	Co-metabolism of di- and trichlorobenzoates in a 2-chlorobenzoate-degrading bacterial culture: Effect of the position and number of halo-substituents. International Biodeterioration and Biodegradation, 2008, 62, 57-64.	3.9	13
32	Improvement of Brassica napus growth under cadmium stress by cadmium-resistant rhizobacteria. Soil Biology and Biochemistry, 2008, 40, 74-84.	8.8	364
33	Assessment of bacterial community structure in a long-term copper-polluted ex-vineyard soil. Microbiological Research, 2008, 163, 671-683.	5.3	87
34	Enzymatic and genetic profiles in environmental strains grown on polycyclic aromatic hydrocarbons. Antonie Van Leeuwenhoek, 2007, 91, 315-325.	1.7	12
35	Genotypic Characterization and Phylogenetic Relations of Pseudomonas sp. (Formerly P. stutzeri) OX1. Current Microbiology, 2006, 52, 395-399.	2.2	13
36	Analysis of rhizobacterial communities in perennial Graminaceae from polluted water meadow soil, and screening of metal-resistant, potentially plant growth-promoting bacteria. FEMS Microbiology Ecology, 2005, 52, 153-162.	2.7	175

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37	Chlorophenol Removal from Soil Suspensions: Effects of a Specialised Microbial Inoculum and a Degradable Analogue. Biodegradation, 2004, 15, 153-160.	3.0	12
38	Amplified ribosomal DNA restriction analysis for the characterization of Azotobacteraceae: a contribution to the study of these free-living nitrogen-fixing bacteria. Journal of Microbiological Methods, 2004, 57, 197-206.	1.6	19
39	Oxygenase systems in an oligotrophic bacterial community of a subsurface water polluted by btex. Developments in Soil Science, 2002, 28, 363-375.	0.5	0
40	Detection of genes for alkane and naphthalene catabolism in Rhodococcus sp. strain 1BN. Environmental Microbiology, 2000, 2, 572-577.	3.8	54
41	Evolution of a degradative bacterial consortium during the enrichment of naphtha solvent. Journal of Applied Microbiology, 2000, 88, 1009-1018.	3.1	5
42	Distribution of catabolic pathways in some hydrocarbon-degrading bacteria from a subsurface polluted soil. Research in Microbiology, 2000, 151, 877-887.	2.1	39