

Silvia Lampis

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49
papers

1,691
citations

23
h-index

41
g-index

50
ext. papers

2,057
ext. citations

5.4
avg, IF

4.76
L-index

#	Paper	IF	Citations
49	Polyhydroxyalkanoated-Rich Microbial Cells from Bio-Based Volatile Fatty Acids as Potential Ingredient for Aquaculture Feed. <i>Energies</i> , 2021 , 14, 38	3.1	2
48	Emergence of random selections in evolution of biological populations. <i>Theoretical Computer Science</i> , 2021 , 862, 130-143	1.1	
47	Effects of the Sludge Retention Time and Carbon Source on Polyhydroxyalkanoate-Storing Biomass Selection under Aerobic-Feast and Anoxic-Famine Conditions.. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 9455-9464	8.3	2
46	Biomolecular composition of capping layer and stability of biogenic selenium nanoparticles synthesized by five bacterial species. <i>Microbial Biotechnology</i> , 2021 , 14, 198-212	6.3	8
45	In Vivo Endophytic, Rhizospheric and Epiphytic Colonization of by the Plant-Growth Promoting and Antifungal Strain MP12. <i>Microorganisms</i> , 2021 , 9,	4.9	4
44	Untargeted Metabolomics Investigation on Selenite Reduction to Elemental Selenium by SeITE01. <i>Frontiers in Microbiology</i> , 2021 , 12, 711000	5.7	1
43	Influence of different household Food Wastes Fractions on Volatile Fatty Acids production by anaerobic fermentation. <i>Bioresource Technology</i> , 2021 , 335, 125289	11	9
42	On the Ability of Perfluorohexane Sulfonate (PFHxS) Bioaccumulation by Two sp. Strains Isolated from PFAS-Contaminated Environmental Matrices. <i>Microorganisms</i> , 2020 , 8,	4.9	19
41	Developments in the study and applications of bacterial transformations of selenium species. <i>Critical Reviews in Biotechnology</i> , 2020 , 40, 1250-1264	9.4	18
40	Apple seeds in an excavated Roman amphora remained intact for 2000 years despite exposure to a broadly-degrading microbial community. <i>Journal of Archaeological Science: Reports</i> , 2019 , 25, 472-485	0.7	1
39	Influence of Bacterial Physiology on Processing of Selenite, Biogenesis of Nanomaterials and Their Thermodynamic Stability. <i>Molecules</i> , 2019 , 24,	4.8	11
38	<i>Pseudomonas protegens</i> MP12: A plant growth-promoting endophytic bacterium with broad-spectrum antifungal activity against grapevine phytopathogens. <i>Microbiological Research</i> , 2019 , 219, 123-131	5.3	37
37	Selenium and tellurium nanomaterials. <i>ChemistrySelect</i> , 2018 , 3,	1.8	8
36	Biogenic selenium nanoparticles synthesized by <i>Stenotrophomonas maltophilia</i> SeITE02 loose antibacterial and antibiofilm efficacy as a result of the progressive alteration of their organic coating layer. <i>Microbial Biotechnology</i> , 2018 , 11, 1037-1047	6.3	20
35	Microbial-Based Bioremediation of Selenium and Tellurium Compounds 2018 ,		6
34	Physical-Chemical Properties of Biogenic Selenium Nanostructures Produced by SeITE02 and sp. MPV1. <i>Frontiers in Microbiology</i> , 2018 , 9, 3178	5.7	19
33	Selenite biotransformation and detoxification by <i>Stenotrophomonas maltophilia</i> SeITE02: Novel clues on the route to bacterial biogenesis of selenium nanoparticles. <i>Journal of Hazardous Materials</i> , 2017 , 324, 3-14	12.8	88

32	Antimicrobial activity of biogenically produced spherical Se-nanomaterials embedded in organic material against <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> strains on hydroxyapatite-coated surfaces. <i>Microbial Biotechnology</i> , 2017 , 10, 804-818	6.3	55
31	Biogenic SeNPs from <i>Bacillus mycoides</i> SelTE01 and <i>Stenotrophomonas maltophilia</i> SelTE02: Characterization with reference to their associated organic coating 2017 ,		1
30	<i>Ochrobactrum</i> sp. MPV1 from a dump of roasted pyrites can be exploited as bacterial catalyst for the biogenesis of selenium and tellurium nanoparticles. <i>Microbial Cell Factories</i> , 2017 , 16, 215	6.4	51
29	Diversity, Distribution and Functional Role of Bacterial Endophytes in <i>Vitis vinifera</i> . <i>Sustainable Development and Biodiversity</i> , 2017 , 233-266	2.1	1
28	Insights into selenite reduction and biogenesis of elemental selenium nanoparticles by two environmental isolates of <i>Burkholderia fungorum</i> . <i>New Biotechnology</i> , 2017 , 34, 1-11	6.4	58
27	A comparison of the response of two <i>Burkholderia fungorum</i> strains grown as planktonic cells versus biofilm to dibenzothiophene and select polycyclic aromatic hydrocarbons. <i>Canadian Journal of Microbiology</i> , 2016 , 62, 851-860	3.2	3
26	Diversity of bacterial endophytes in 3 and 15 year-old grapevines of <i>Vitis vinifera</i> cv. Corvina and their potential for plant growth promotion and phytopathogen control. <i>Microbiological Research</i> , 2016 , 183, 42-52	5.3	50
25	<i>Trichoderma longibrachiatum</i> Evx1 is a fungal biocatalyst suitable for the remediation of soils contaminated with diesel fuel and polycyclic aromatic hydrocarbons. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 9134-43	5.1	11
24	Bioremediation of diesel contamination at an underground storage tank site: a spatial analysis of the microbial community. <i>World Journal of Microbiology and Biotechnology</i> , 2016 , 32, 6	4.4	13
23	Biogenic selenium nanoparticles: characterization, antimicrobial activity and effects on human dendritic cells and fibroblasts. <i>Microbial Biotechnology</i> , 2016 , 9, 758-771	6.3	123
22	Effect of the anode feeding composition on the performance of a continuous-flow methane-producing microbial electrolysis cell. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 7349-60	5.1	46
21	Biogenic selenium and tellurium nanoparticles synthesized by environmental microbial isolates efficaciously inhibit bacterial planktonic cultures and biofilms. <i>Frontiers in Microbiology</i> , 2015 , 6, 584	5.7	132
20	Promotion of arsenic phytoextraction efficiency in the fern <i>Pteris vittata</i> by the inoculation of As-resistant bacteria: a soil bioremediation perspective. <i>Frontiers in Plant Science</i> , 2015 , 6, 80	6.2	76
19	Bioaugmentation and biostimulation as strategies for the bioremediation of a burned woodland soil contaminated by toxic hydrocarbons: a comparative study. <i>Journal of Environmental Management</i> , 2015 , 153, 121-31	7.9	51
18	Delayed formation of zero-valent selenium nanoparticles by <i>Bacillus mycoides</i> SelTE01 as a consequence of selenite reduction under aerobic conditions. <i>Microbial Cell Factories</i> , 2014 , 13, 35	6.4	89
17	Draft Genome Sequence of <i>Stenotrophomonas maltophilia</i> SelTE02, a Gammaproteobacterium Isolated from Selenite-Contaminated Mining Soil. <i>Genome Announcements</i> , 2014 , 2,		4
16	Identification of aldolase and ferredoxin reductase within the dbt operon of <i>Burkholderia fungorum</i> DBT1. <i>Journal of Basic Microbiology</i> , 2014 , 54, 464-9	2.7	3
15	Role and characteristics of problematic biofilms within the removal and mobility of trace metals in a pilot-scale membrane bioreactor. <i>Process Biochemistry</i> , 2013 , 48, 1757-1766	4.8	12

14	Endophytic Burkholderia fungorum DBT1 can improve phytoremediation efficiency of polycyclic aromatic hydrocarbons. <i>Chemosphere</i> , 2013 , 92, 688-94	8.4	80
13	Two-Stage Start-Up to Achieve the Stable via-Nitrite Pathway in a Demonstration SBR for Anaerobic Codigestate Treatment. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 15423-15430	3.8	10
12	Inside and outside rhizosphere parameters of barley and dose-dependent stress alleviation at some chronic metal exposures. <i>Acta Phytopathologica Et Entomologica Hungarica</i> , 2012 , 47, 373-383	0.6	0
11	Burkholderia fungorum DBT1: a promising bacterial strain for bioremediation of PAHs-contaminated soils. <i>FEMS Microbiology Letters</i> , 2011 , 319, 11-8	2.9	39
10	Anaerobic acidogenic digestion of olive mill wastewaters in biofilm reactors packed with ceramic filters or granular activated carbon. <i>Water Research</i> , 2010 , 44, 4537-49	12.5	68
9	Effect of pH on the production of bacterial polyhydroxyalkanoates by mixed cultures enriched under periodic feeding. <i>Process Biochemistry</i> , 2010 , 45, 714-723	4.8	94
8	Selenite resistant rhizobacteria stimulate SeO(3) (2-) phytoextraction by Brassica juncea in bioaugmented water-filtering artificial beds. <i>Environmental Science and Pollution Research</i> , 2009 , 16, 663-70	5.1	23
7	Proteomic analysis of Arabidopsis halleri shoots in response to the heavy metals cadmium and zinc and rhizosphere microorganisms. <i>Proteomics</i> , 2009 , 9, 4837-50	4.8	92
6	Stenotrophomonas maltophilia SeITE02, a new bacterial strain suitable for bioremediation of selenite-contaminated environmental matrices. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 6854-63	4.8	41
5	Combined application of Triton X-100 and Sinorhizobium sp. Pb002 inoculum for the improvement of lead phytoextraction by Brassica juncea in EDTA amended soil. <i>Chemosphere</i> , 2006 , 63, 293-9	8.4	79
4	Brassica juncea can improve selenite and selenate abatement in selenium contaminated soils through the aid of its rhizospheric bacterial population. <i>Plant and Soil</i> , 2006 , 285, 233-244	4.2	26
3	Selenite precipitation by a rhizospheric strain of Stenotrophomonas sp. isolated from the root system of Astragalus bisulcatus: a biotechnological perspective. <i>Environment International</i> , 2005 , 31, 233-41	12.9	81
2	Rhizosphere-induced selenium precipitation for possible applications in phytoremediation of se polluted effluents. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2005 , 60, 349-56	1.7	26
1	Conjugate word blending: formal model and experimental implementation by XPCR. <i>Natural Computing</i> , 1	1.3	