

Margarita LÃ³pez FernÃ¡ndez

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

626
citations

567144

15
h-index

610775

24
g-index

25
all docs

25
docs citations

25
times ranked

649
citing authors

#	ARTICLE	IF	CITATIONS
1	Bio-precipitation of uranium by two bacterial isolates recovered from extreme environments as estimated by potentiometric titration, TEM and X-ray absorption spectroscopic analyses. <i>Journal of Hazardous Materials</i> , 2011, 197, 1-10.	6.5	89
2	Microbial communities in bentonite formations and their interactions with uranium. <i>Applied Geochemistry</i> , 2014, 49, 77-86.	1.4	48
3	Microbial Diversity in an Arid, Naturally Saline Environment. <i>Microbial Ecology</i> , 2019, 78, 494-505.	1.4	43
4	Metatranscriptomes Reveal That All Three Domains of Life Are Active but Are Dominated by Bacteria in the Fennoscandian Crystalline Granitic Continental Deep Biosphere. <i>MBio</i> , 2018, 9, .	1.8	42
5	Low temperature, autotrophic microbial denitrification using thiosulfate or thiocyanate as electron donor. <i>Biodegradation</i> , 2017, 28, 287-301.	1.5	40
6	Bacterial Diversity in Bentonites, Engineered Barrier for Deep Geological Disposal of Radioactive Wastes. <i>Microbial Ecology</i> , 2015, 70, 922-935.	1.4	39
7	Effect of U(VI) aqueous speciation on the binding of uranium by the cell surface of <i>Rhodotorula mucilaginosa</i> , a natural yeast isolate from bentonites. <i>Chemosphere</i> , 2018, 199, 351-360.	4.2	31
8	<i>Stenotrophomonas bentonitica</i> sp. nov., isolated from bentonite formations. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 2779-2786.	0.8	31
9	Investigation of viable taxa in the deep terrestrial biosphere suggests high rates of nutrient recycling. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	29
10	Screening of bacterial strains isolated from uranium mill tailings porewaters for bioremediation purposes. <i>Journal of Environmental Radioactivity</i> , 2017, 166, 130-141.	0.9	28
11	Microbial interaction with and tolerance of radionuclides: underlying mechanisms and biotechnological applications. <i>Microbial Biotechnology</i> , 2021, 14, 810-828.	2.0	28
12	Energy efficiency and biological interactions define the core microbiome of deep oligotrophic groundwater. <i>Nature Communications</i> , 2021, 12, 4253.	5.8	22
13	Shifts in bentonite bacterial community and mineralogy in response to uranium and glycerol-2-phosphate exposure. <i>Science of the Total Environment</i> , 2019, 692, 219-232.	3.9	21
14	Depth and Dissolved Organic Carbon Shape Microbial Communities in Surface Influenced but Not Ancient Saline Terrestrial Aquifers. <i>Frontiers in Microbiology</i> , 2018, 9, 2880.	1.5	20
15	The Fennoscandian Shield deep terrestrial virosphere suggests slow motion "boom and burst" cycles. <i>Communications Biology</i> , 2021, 4, 307.	2.0	19
16	Microbial community changes induced by uranyl nitrate in bentonite clay microcosms. <i>Applied Clay Science</i> , 2018, 160, 206-216.	2.6	18
17	Reversible pH-dependent curium(III) biosorption by the bentonite yeast isolate <i>Rhodotorula mucilaginosa</i> BII-R8. <i>Journal of Hazardous Materials</i> , 2019, 370, 156-163.	6.5	16
18	Deciphering indigenous bacteria in compacted bentonite through a novel and efficient DNA extraction method: Insights into biogeochemical processes within the Deep Geological Disposal of nuclear waste concept. <i>Journal of Hazardous Materials</i> , 2021, 408, 124600.	6.5	14

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19	Molecular Binding of Eu ^{III} /Cm ^{III} by <i>S. tenotrophomonas bentonitica</i> and Its Impact on the Safety of Future Geodisposal of Radioactive Waste. Environmental Science & Technology, 2020, 54, 15180-15190.	4.6	13
20	Impact of anoxic conditions, uranium(VI) and organic phosphate substrate on the biogeochemical potential of the indigenous bacterial community of bentonite. Applied Clay Science, 2022, 216, 106331.	2.6	11
21	Microbial Community and Metabolic Activity in Thiocyanate Degrading Low Temperature Microbial Fuel Cells. Frontiers in Microbiology, 2018, 9, 2308.	1.5	7
22	Statistical Analysis of Community RNA Transcripts between Organic Carbon and Geogas-Fed Continental Deep Biosphere Groundwaters. MBio, 2019, 10, .	1.8	7
23	Metagenomes and metatranscriptomes from boreal potential and actual acid sulfate soil materials. Scientific Data, 2019, 6, 207.	2.4	6
24	Micro-scale isotopic variability of low-temperature pyrite in fractured crystalline bedrock â€• A large Fe isotope fractionation between Fe(II)aq/pyrite and absence of Fe-S isotope co-variation. Chemical Geology, 2019, 522, 192-207.	1.4	3
25	Bentonite geomicrobiology. , 2021, , 137-155.		1