Margarita LÃ³pez FernÃ¡ndez

List of Publications by Year
in descending order

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	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
2	Bentonite geomicrobiology. , 2021, , 137-155.		1
3	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. Journal of Hazardous Materials, 2021, 408, 124600.	6.5	14
4	Microbial interaction with and tolerance of radionuclides: underlying mechanisms and biotechnological applications. Microbial Biotechnology, 2021, 14, 810-828.	2.0	28
5	The Fennoscandian Shield deep terrestrial virosphere suggests slow motion â€˜boom and burstâ€™ cycles. Communications Biology, 2021, 4, 307.	2.0	19
6	Energy efficiency and biological interactions define the core microbiome of deep oligotrophic groundwater. Nature Communications, 2021, 12, 4253.	5.8	22
7	Molecular Binding of Eu^{III}/Cm^{III} by Stenotrophomonas bentonitica and Its Impact on the Safety of Future Geodisposal of Radioactive Waste. Environmental Science & Technology, 2020, 54, 15180-15190.	4.6	13
8	Reversible pH-dependent curium(III) biosorption by the bentonite yeast isolate Rhodotorula mucilaginosa BII-R8. Journal of Hazardous Materials, 2019, 370, 156-163.	6.5	16
9	Statistical Analysis of Community RNA Transcripts between Organic Carbon and Geogas-Fed Continental Deep Biosphere Groundwaters. MBio, 2019, 10, .	1.8	7
10	Shifts in bentonite bacterial community and mineralogy in response to uranium and glycerol-2-phosphate exposure. Science of the Total Environment, 2019, 692, 219-232.	3.9	21
11	Metagenomes and metatranscriptomes from boreal potential and actual acid sulfate soil materials. Scientific Data, 2019, 6, 207.	2.4	6
12	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
13	Microbial Diversity in an Arid, Naturally Saline Environment. Microbial Ecology, 2019, 78, 494-505.	1.4	43
14	Effect of U(VI) aqueous speciation on the binding of uranium by the cell surface of Rhodotorula mucilaginosa, a natural yeast isolate from bentonites. Chemosphere, 2018, 199, 351-360.	4.2	31
15	Microbial community changes induced by uranyl nitrate in bentonite clay microcosms. Applied Clay Science, 2018, 160, 206-216.	2.6	18
16	Metatranscriptomes Reveal That All Three Domains of Life Are Active but Are Dominated by Bacteria in the Fennoscandian Crystalline Granitic Continental Deep Biosphere. MBio, 2018, 9, .	1.8	42
17	Depth and Dissolved Organic Carbon Shape Microbial Communities in Surface Influenced but Not Ancient Saline Terrestrial Aquifers. Frontiers in Microbiology, 2018, 9, 2880.	1.5	20
18	Microbial Community and Metabolic Activity in Thiocyanate Degrading Low Temperature Microbial Fuel Cells. Frontiers in Microbiology, 2018, 9, 2308.	1.5	7

#	Article	IF	Citations
19	Investigation of viable taxa in the deep terrestrial biosphere suggests high rates of nutrient recycling. FEMS Microbiology Ecology, 2018, 94, .	1.3	29
20	Screening of bacterial strains isolated from uranium mill tailings porewaters for bioremediation purposes. Journal of Environmental Radioactivity, 2017, 166, 130-141.	0.9	28
21	Low temperature, autotrophic microbial denitrification using thiosulfate or thiocyanate as electron donor. Biodegradation, 2017, 28, 287-301.	1.5	40
22	Stenotrophomonas bentonitica sp. nov., isolated from bentonite formations. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 2779-2786.	0.8	31
23	Bacterial Diversity in Bentonites, Engineered Barrier for Deep Geological Disposal of Radioactive Wastes. Microbial Ecology, 2015, 70, 922-935.	1.4	39
24	Microbial communities in bentonite formations and their interactions with uranium. Applied Geochemistry, 2014, 49, 77-86.	1.4	48
25	Bio-precipitation of uranium by two bacterial isolates recovered from extreme environments as estimated by potentiometric titration, TEM and X-ray absorption spectroscopic analyses. Journal of Hazardous Materials, 2011, 197, 1-10.	6.5	89