Lucia Rodriguez-Freire

List of Publications by Year
in descending order

19 papers	533 citations	759233 12 h-index	996975 15 g-index
19 all docs	19 docs citations	19 times ranked	710 citing authors

#	Article	IF	Citations
1	Effect of sound frequency and initial concentration on the sonochemical degradation of perfluorooctane sulfonate (PFOS). Journal of Hazardous Materials, 2015, 300, 662-669.	12.4	67
2	Biomineralization of arsenate to arsenic sulfides is greatly enhanced at mildly acidic conditions. Water Research, 2014, 66, 242-253.	11.3	58
3	Effect of chemical structure on the sonochemical degradation of perfluoroalkyl and polyfluoroalkyl substances (PFASs). Environmental Science: Water Research and Technology, 2016, 2, 975-983.	2.4	57
4	Sonochemical degradation of perfluorinated chemicals in aqueous film-forming foams. Journal of Hazardous Materials, 2016, 317, 275-283.	12.4	56
5	An effort to understand and improve the anaerobic biodegradation of petroleum hydrocarbons: A literature review. International Biodeterioration and Biodegradation, 2021, 157, 105156.	3.9	51
6	Post Gold King Mine Spill Investigation of Metal Stability in Water and Sediments of the Animas River Watershed. Environmental Science & Technology, 2016, 50, 11539-11548.	10.0	45
7	Arsenic remediation by formation of arsenic sulfide minerals in a continuous anaerobic bioreactor. Biotechnology and Bioengineering, 2016, 113, 522-530.	3.3	44
8	Uranium mobility and accumulation along the Rio Paguate, Jackpile Mine in Laguna Pueblo, NM. Environmental Sciences: Processes and Impacts, 2017, 19, 605-621.	3.5	39
9	Effect of Calcium on the Bioavailability of Dissolved Uranium(VI) in Plant Roots under Circumneutral pH. Environmental Science & Technology, 2018, 52, 13089-13098.	10.0	32
10	Effect of bicarbonate and phosphate on arsenic release from mining-impacted sediments in the Cheyenne River watershed, South Dakota, USA. Environmental Sciences: Processes and Impacts, 2019, 21, 456-468.	3.5	25
11	Flexible bacterial strains that oxidize arsenite in anoxic or aerobic conditions and utilize hydrogen or acetate as alternative electron donors. Biodegradation, 2012, 23, 133-143.	3.0	17
12	Anoxia stimulates microbially catalyzed metal release from Animas River sediments. Environmental Sciences: Processes and Impacts, 2017, 19, 578-585.	3.5	14
13	Groundwater restoration following in-situ recovery (ISR) mining of uranium. Applied Geochemistry, 2019, 109, 104418.	3.0	11
14	Technologies for fractionation of wastewater and resource recovery. , 2020, , 329-354.		6
15	Mobilization of As, Fe, and Mn from Contaminated Sediment in Aerobic and Anaerobic Conditions: Chemical or Microbiological Triggers?. ACS Earth and Space Chemistry, 0, , .	2.7	5
16	Adaptation of a Methanogenic Consortium to Arsenite Inhibition. Water, Air, and Soil Pollution, 2015, 226, 1.	2.4	4
17	Emerging investigator series: entrapment of uraniumâ€“phosphorus nanocrystals inside root cells of Tamarix plants from a mine waste site. Environmental Sciences: Processes and Impacts, 2021, 23, 73-85.	3.5	2
18	Studies in Electrokinetic Migration Rates of Dyes in Sand and Clay. Journal of Hazardous, Toxic, and Radioactive Waste, 2021, 25, 04020071.	2.0	0

#	Article	IF	Citations
19	BIOGEOCHEMICAL PROCESSES AFFECTING METAL CYCLING ALONG THE ANIMAS RIVER. , 2016, , .		0