Lucie Coudert

List of Publications by Year
in descending order

37 papers	613 citations	623188 14 h-index	610482 24 g-index
37 all docs	37 docs citations	37 times ranked	587 citing authors

#	Article	IF	Citations
1	Recovery potential of rare earth elements from mining and industrial residues: A review and cases studies. Journal of Geochemical Exploration, 2021, 221, 106699.	1.5	80
2	Treatment technologies used for the removal of As, Cr, Cu, PCP and/or PCDD/F from contaminated soil: A review. Journal of Hazardous Materials, 2017, 333, 194-214.	6.5	79
3	Removal and potential recovery of rare earth elements from mine water. Journal of Industrial and Engineering Chemistry, 2020, 89, 47-57.	2.9	70
4	Treatment of As-rich mine effluents and produced residues stability: Current knowledge and research priorities for gold mining. Journal of Hazardous Materials, 2020, 386, 121920.	6.5	39
5	Treatment of contaminated soil leachate by precipitation, adsorption and ion exchange. Journal of Environmental Chemical Engineering, 2015, 3, 977-985.	3.3	30
6	Influence of Organic Carbon Sources on Metal Removal from Mine Impacted Water Using Sulfate-Reducing Bacteria Bioreactors in Cold Climates. Mine Water and the Environment, 2019, 38, 104-118.	0.9	25
7	Electro-Fenton beyond the Degradation of Organics: Treatment of Thiosalts in Contaminated Mine Water. Environmental Science & Technology, 2021, 55, 2564-2574.	4.6	23
8	Comparison of different interpolation methods and sequential Gaussian simulation to estimate volumes of soil contaminated by As, Cr, Cu, PCP and dioxins/furans. Environmental Pollution, 2019, 252, 409-419.	3.7	22
9	Performance of Sulfate-reducing Passive Bioreactors for the Removal of Cd and Zn from Mine Drainage in a Cold Climate. Mine Water and the Environment, 2018, 37, 42-55.	0.9	19
10	Bioleaching of Uranium Tailings as Secondary Sources for Rare Earth Elements Production. Minerals (Basel, Switzerland), 2021, 11, 302.	0.8	19
11	Sulfate removal from mine drainage by electrocoagulation as a stand-alone treatment or polishing step. Minerals Engineering, 2020, 152, 106337.	1.8	18
12	Optimized indium solubilization from LCD panels using H2SO4 leaching. Waste Management, 2020, 114, 53-61.	3.7	18
13	Optimization of Copper Removal from ACQ-, CA-, and MCQ-Treated Wood Using an Experimental Design Methodology. Journal of Environmental Engineering, ASCE, 2013, 139, 576-587.	0.7	16
14	Pilot-scale investigation of the robustness and efficiency of a copper-based treated wood wastes recycling process. Journal of Hazardous Materials, 2013, 261, 277-285.	6.5	15
15	Microporous and macroporous materials state-of-the-art of the technologies in zeolitization of aluminosilicate bearing residues from mining and metallurgical industries: A comprehensive review. Microporous and Mesoporous Materials, 2021, 318, 111029.	2.2	15
16	Remediation of inorganic contaminants and polycyclic aromatic hydrocarbons from soils polluted by municipal solid waste incineration residues. Environmental Technology (United Kingdom), 2016, 37, 1983-1995.	1.2	14
17	Recovery of indium from acidic leach solutions of spent LCD panels using ion exchange. Hydrometallurgy, 2022, 210, 105845.	1.8	14
18	Effect of the electrocoagulation process on the toxicity of gold mine effluents: A comparative assessment of Daphnia magna and Daphnia pulex. Science of the Total Environment, 2020, 708, 134739.	3.9	13

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19	Assessment of the leaching potential of flotation tailings from rare earth mineral extraction in cold climates. Science of the Total Environment, 2020, 732, 139225.	3.9	10
20	Copper extraction and recovery from alkaline copper quaternary and copper azole treated wood using sulfuric acid leaching and ion exchange or electrodeposition. Journal of Cleaner Production, 2021, 279, 123687.	4.6	8
21	Active Treatment of Contaminants of Emerging Concern in Cold Mine Water Using Advanced Oxidation and Membrane-Related Processes: A Review. Minerals (Basel, Switzerland), 2021, 11, 259.	0.8	8
22	Performance of a Semi-passive Sulfate-reducing Bioreactor for Acid Mine Drainage Treatment and Prediction of Environmental Behavior of Post-treatment Residues. Mine Water and the Environment, 2020, 39, 769-784.	0.9	7
23	Geochemical behavior and stabilization of spent sulfate-reducing biofilter mixtures for treatment of acid mine drainage. Science of the Total Environment, 2020, 718, 137394.	3.9	7
24	Pre-concentration of fluorite from a rare earth element carbonatite deposit through the combination of magnetic separation and leaching. Minerals Engineering, 2021, 174, 106998.	1.8	7
25	Techno-economic assessment of an hydrometallurgical process to simultaneously remove As, Cr, Cu, PCP and PCDD/F from contaminated soil. Journal of Environmental Management, 2020, 263, 110371.	3.8	6
26	Counter-Current Attrition Process (CCAP) to Remove Metals, Pentachlorophenol (PCP), Dioxins and Furans (PCDDF) from the 1-4-mm Fraction of Contaminated Soil. Soil and Sediment Contamination, 2017, 26, 636-650.	1.1	5
27	Study of factors involved in the gravimetric separation process to treat soil contaminated by municipal solid waste. Journal of Environmental Management, 2018, 209, 23-36.	3.8	5
28	Prediction of physical separation of metals from soils contaminated with municipal solid waste ashes and metallurgical residues. Waste Management, 2019, 93, 138-152.	3.7	5
29	Pilot-Scale Decontamination of Soil Polluted with As, Cr, Cu, PCP, and PCDDF by Attrition and Alkaline Leaching. Journal of Environmental Engineering, ASCE, 2017, 143, 04017055.	0.7	4
30	Removal of Potential Toxic Inorganic and Organic Compounds from Contaminated Soils by Alkaline Leaching with Surfactant. Soil and Sediment Contamination, 2019, 28, 513-527.	1.1	4
31	Optimizing removal of arsenic, chromium, copper, pentachlorophenol and polychlorodibenzo-dioxins/furans from the 1â€“4â€…mm fraction of polluted soil using an attrition process. Environmental Technology (United Kingdom), 2017, 38, 1862-1877.	1.2	3
32	Impact of freeze-thaw on the behaviour of flotation tailings from a rare earth deposit. Applied Geochemistry, 2021, 135, 105106.	1.4	3
33	Stabilization and Management of Sulfate-Reducing Bioreactor Residues After Acid Mine Drainage Treatment. Water, Air, and Soil Pollution, 2021, 232, 1.	1.1	2
34	Combining Sequential Gaussian Simulation with Linear Regression to Develop Rehabilitation Strategies Using a Hydrometallurgical Process to Simultaneously Remove Metals, PCP, and PCDD/F from a Contaminated Soil. Soil and Sediment Contamination, 2021, 30, 275-291.	1.1	0
35	Editorial for Special Issue â€œReutilization and Valorization of Mine Wasteâ€• Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock	0.8	0
36	Mass balance study of a multistage process for the purification of a fluorspar by-product from a rare earth element carbonatite deposit. Minerals Engineering, 2021, 171, 107122.	1.8	0

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37	Behaviour of flotation tailings from a rare earth element deposit at high salinity. Journal of Environmental Management, 2021, 300, 113773.	3.8	0