Guy Mercier

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/10619577/publications.pdf

Version: 2024-02-01

47 papers	1,776 citations	304743 22 h-index	276875 41 g-index
47 all docs	47 docs citations	47 times ranked	1993 citing authors

#	Article	IF	Citations
1	Comparison between electrocoagulation and chemical precipitation for metals removal from acidic soil leachate. Journal of Hazardous Materials, 2006, 137, 581-590.	12.4	352
2	Recovery of Zn (II), Mn (II), Cd (II) and Ni (II) from the unsorted spent batteries using solvent extraction, electrodeposition and precipitation methods. Journal of Cleaner Production, 2017, 148, 233-244.	9.3	113
3	Review of Electrochemical Technologies for Environmental Applications. Recent Patents on Engineering, 2007, 1, 257-272.	0.4	110
4	Metals removal from soil, fly ash and sewage sludge leachates by precipitation and dewatering properties of the generated sludge. Journal of Hazardous Materials, 2009, 172, 1372-1382.	12.4	90
5	Electrochemical degradation of polycyclic aromatic hydrocarbons in creosote solution using ruthenium oxide on titanium expanded mesh anode. Journal of Hazardous Materials, 2009, 164, 1118-1129.	12.4	85
6	Selective recovery of metals in leachate from chromated copper arsenate treated wastes using electrochemical technology and chemical precipitation. Hydrometallurgy, 2009, 96, 318-326.	4.3	78
7	Selective recovery of Cr and Cu in leachate from chromated copper arsenate treated wood using chelating and acidic ion exchange resins. Journal of Hazardous Materials, 2009, 169, 1099-1105.	12.4	62
8	Transformation of red mud from aluminium industry into a coagulant for wastewater treatment. Hydrometallurgy, 2008, 92, 16-25.	4.3	59
9	Experimental design methodology applied to electrochemical oxidation of the herbicide atrazine using Ti/lrO2 and Ti/SnO2 circular anode electrodes. Journal of Hazardous Materials, 2011, 185, 1499-1507.	12.4	53
10	ProcÃ©dÃ©s dâ€™oxydation avancÃ©e dans le traitement des eaux et des effluents industriels: Application Ã la dÃ©gradation des polluants rÃ©fractaires. Revue Des Sciences De L'Eau, 0, 22, 535-564.	0.2	52
11	Prediction of Metal Removal Efficiency from Contaminated Soils by Physical Methods. Journal of Environmental Engineering, ASCE, 2001, 127, 348-358.	1.4	47
12	In situ active chlorine generation for the treatment of dye-containing effluents. Journal of Applied Electrochemistry, 2009, 39, 2397-2408.	2.9	46
13	Electrochemical treatment of bisphenol-A using response surface methodology. Journal of Applied Electrochemistry, 2012, 42, 95-109.	2.9	44
14	Hybrid Process Combining Electrocoagulation and Electro-Oxidation Processes for the Treatment of Restaurant Wastewaters. Journal of Environmental Engineering, ASCE, 2012, 138, 1146-1156.	1.4	43
15	Title is missing!. Water, Air, and Soil Pollution, 2002, 135, 105-130.	2.4	40
16	Amphoteric Surfactants for PAH and Lead Polluted-Soil Treatment Using Flotation. Water, Air, and Soil Pollution, 2009, 197, 381-393.	2.4	36
17	Treatment of contaminated soil leachate by precipitation, adsorption and ion exchange. Journal of Environmental Chemical Engineering, 2015, 3, 977-985.	6.7	30
18	Laboratory Study of Successive Soil Saline Leaching and Electrochemical Lead Recovery. Journal of Environmental Engineering, ASCE, 2005, 131, 305-314.	1.4	29

#	Article	IF	Citations
19	Application of a CCA-treated wood waste decontamination process to other copper-based preservative-treated wood after disposal. Journal of Hazardous Materials, 2011, 186, 1880-1887.	12.4	29
20	Chemical Leaching of Antimony and Other Metals from Small Arms Shooting Range Soil. Water, Air, and Soil Pollution, 2013, 224, 1.	2.4	28
21	Chemical treatment of sludge: In-depth study on toxic metal removal efficiency, dewatering ability and fertilizing property preservation. Water Research, 2007, 41, 2028-2038.	11.3	26
22	Toxic Metal Removal from Polluted Soil by Acid Extraction. Water, Air, and Soil Pollution, 2012, 223, 3739-3755.	2.4	24
23	Electrolytic recovery of lead in used lime leachate from municipal waste incinerator. Journal of Hazardous Materials, 2005, 120, 201-211.	12.4	23
24	Comparison between Fenton oxidation process and electrochemical oxidation for PAH removal from an amphoteric surfactant solution. Journal of Applied Electrochemistry, 2010, 40, 1493-1510.	2.9	23
25	Treatment of Arsenic-, Chromium-, Copper- and Pentachlorophenol-Polluted Soil Using Flotation. Water, Air, and Soil Pollution, 2013, 224, 1.	2.4	19
26	Electrochemical Oxidation of Chlortetracycline Using Ti/IrO2 and Ti/PbO2 Anode Electrodes: Application of Experimental Design Methodology. Journal of Environmental Engineering, ASCE, 2013, 139, 810-821.	1.4	19
27	Coupling extractionâ€“flotation with surfactant and electrochemical degradation for the treatment of PAH contaminated hazardous wastes. Journal of Hazardous Materials, 2009, 170, 1218-1226.	12.4	18
28	Demonstration of the efficiency and robustness of an acid leaching process to remove metals from various CCA-treated wood samples. Journal of Environmental Management, 2014, 132, 197-206.	7.8	17
29	EnlÃ¨vement du phosphore des eaux usÃ©es par traitement Ã base de tourbe dopÃ©e aux boues rouges. Canadian Journal of Chemical Engineering, 1999, 77, 1185-1194.	1.7	16
30	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.	1.4	16
31	Comparative study of dewatering characteristics of metal precipitates generated during treatment of monometallic solutions. Hydrometallurgy, 2009, 95, 61-69.	4.3	15
32	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.	12.4	15
33	Hydrometallurgical Process and Economic Evaluation for Recovery of Zinc and Manganese from Spent Alkaline Batteries. Metals, 2020, 10, 1175.	2.3	15
34	Design and performance of a pilot-scale equipment for CCA-treated wood remediation. Separation and Purification Technology, 2012, 85, 90-95.	7.9	14
35	Laboratory-Scale Flotation Process for Treatment of Soils Contaminated with Both PAH and Lead. Journal of Environmental Engineering, ASCE, 2010, 136, 1063-1074.	1.4	12
36	A Counter-Current Acid Leaching Process for the Remediation of Contaminated Soils from a Small-Arms Shooting Range. Soil and Sediment Contamination, 2014, 23, 194-210.	1.9	11

#	Article	IF	Citations
37	Monoethanolamine extraction of copper-preservative-treated wood and reuse of the extract for wood preservation. Wood Science and Technology, 2014, 48, 393-409.	3.2	9
38	Simultaneous Electrochemical Leaching and Electrodeposition of Heavy Metals in a Single-Cell Process for Wastewater Sludge Treatment. Journal of Environmental Engineering, ASCE, 2014, 140, .	1.4	9
39	Pilot-Scale Decontamination of Small-Arms Shooting Range Soil Polluted with Copper, Lead, Antimony, and Zinc by Acid and Saline Leaching. Journal of Environmental Engineering, ASCE, 2015, 141, .	1.4	9
40	Counter-Current Metal Leaching and Precipitation for Soil Remediation. Soil and Sediment Contamination, 2013, 22, 856-875.	1.9	8
41	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.	9.3	8
42	Counter-current acid leaching process for copper azole treated wood waste. Environmental Technology (United Kingdom), 2012, 33, 2111-2118.	2.2	6
43	Metal Recycling Technologies for Battery Waste. Recent Patents on Engineering, 2014, 8, 13-23.	0.4	6
44	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.	1.9	5
45	CCA-Treated Wood Waste Remediation Process Optimization with Successive Recirculation Loops Study. Journal of Environmental Engineering, ASCE, 2012, 138, 200-207.	1.4	3
46	Optimization of PAHs Oxidation from a Concentrate of Soil Attrition Using Potassium Permanganate. Soil and Sediment Contamination, 2017, 26, 605-622.	1.9	2
47	Stabilization and Management of Sulfate-Reducing Bioreactor Residues After Acid Mine Drainage Treatment. Water, Air, and Soil Pollution, 2021, 232, 1.	2.4	2