

Israel Rodríguez-Torres

List of Publications by Year in descending order

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36
papers

822
citations

566801

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476904

29
g-index

36
all docs

36
docs citations

36
times ranked

934
citing authors

#	ARTICLE	IF	CITATIONS
1	Arsenic and fluoride removal from groundwater by electrocoagulation using a continuous filter-press reactor. <i>Chemosphere</i> , 2016, 144, 2113-2120.	4.2	117
2	Integration of ion exchange and electrodeionization as a new approach for the continuous treatment of hexavalent chromium wastewater. <i>Separation and Purification Technology</i> , 2013, 105, 55-62.	3.9	114
3	The use of carbon paste electrodes with non-conducting binder for the study of minerals: Chalcopyrite. <i>Hydrometallurgy</i> , 1995, 38, 277-287.	1.8	78
4	Cr(VI) removal by continuous electrodeionization: Study of its basic technologies. <i>Desalination</i> , 2009, 249, 423-428.	4.0	65
5	Fluoride removal from drinking water by electrocoagulation in a continuous filter press reactor coupled to a flocculator and clarifier. <i>Separation and Purification Technology</i> , 2014, 134, 163-170.	3.9	63
6	Electrodeposition of zinc-nickel alloys from ammonia-containing baths. <i>Journal of Applied Electrochemistry</i> , 1999, 29, 1035-1044.	1.5	59
7	EC treatment for reuse of tissue paper wastewater: Aspects that affect energy consumption. <i>Journal of Hazardous Materials</i> , 2010, 181, 809-816.	6.5	47
8	Primary potential and current density distribution analysis: A first approach for designing electrocoagulation reactors. <i>Chemical Engineering Journal</i> , 2012, 179, 253-261.	6.6	40
9	Recovery of zinc and nickel from electrogalvanisation sludges using glycine solutions. <i>Electrochimica Acta</i> , 2000, 46, 279-287.	2.6	33
10	Modified natural magnetite with Al and La ions for the adsorption of fluoride ions from aqueous solutions. <i>Journal of Fluorine Chemistry</i> , 2016, 186, 115-124.	0.9	33
11	Analysis and validation of the hydrodynamics of an electro dialysis cell using computational fluid dynamics. <i>Desalination</i> , 2017, 408, 127-132.	4.0	20
12	Efficient fluoride removal using Al-Cu oxide nanoparticles supported on steel slag industrial waste solid. <i>Environmental Science and Pollution Research</i> , 2018, 25, 6414-6428.	2.7	19
13	The importance of current distribution and cell hydrodynamic analysis for the design of electrocoagulation reactors. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 220-229.	1.6	17
14	Investigation of Current Routes in Electrodeionization System Resin Beds During Chromium Removal. <i>Electrochimica Acta</i> , 2015, 182, 763-768.	2.6	16
15	Electrochemical and spectroscopic study of interfacial interactions between chalcopyrite and typical flotation process reagents. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2016, 23, 127-136.	2.4	16
16	The electrochemical reduction of Cr(VI) ions in acid solution at titanium and graphite electrodes. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 3610-3617.	3.3	15
17	Electrochemical oxidation of cyanide on 3D Ti-RuO ₂ anode using a filter-press electrolyzer. <i>Chemosphere</i> , 2017, 177, 1-6.	4.2	15
18	Experimental study of the adsorption of fluoride by modified magnetite using a continuous flow system and numerical simulation. <i>Chemical Engineering Research and Design</i> , 2017, 109, 130-139.	2.7	9

#	ARTICLE	IF	CITATIONS
19	Electrochemical Impedance Spectroscopy Analysis of 2-Mercaptobenzimidazole (2MBI) as Corrosion Inhibitor in HCl 1M. ECS Transactions, 2009, 20, 543-553.	0.3	8
20	Characterization of a Multiple-Channel Electrochemical Cell by Computational Fluid Dynamics (CFD) and Residence Time Distribution (RTD). ECS Transactions, 2010, 29, 215-223.	0.3	6
21	Analysis of the Use of Copper Electrode in a Filter-Press Electrochemical Reactor for the Electrochemical Reduction of Cr(VI). ECS Transactions, 2006, 3, 57-65.	0.3	4
22	Methodology for the Characterization of Parallel-Plates Electrochemical Reactor. ECS Transactions, 2006, 3, 1-12.	0.3	4
23	Theoretical and Experimental Study of the Primary Current Distribution in Parallel-Plate Electrochemical Reactors. Journal of Chemical Education, 2012, 89, 163-167.	1.1	4
24	Magnetic sugarcane bagasse composite for atrazine and fluoride removal. Journal of Chemical Technology and Biotechnology, 2019, 94, 3466-3478.	1.6	4
25	Analysis of the Copper Electrodeposition Current Transients in Nitrates Media. ECS Transactions, 2009, 20, 357-364.	0.3	3
26	Preliminary studies on the electrochemical recovery of Zn and Cd from effluent produced by a zinc refinery plant using a filterpress reactor. Journal of Chemical Technology and Biotechnology, 2013, 88, 1371-1379.	1.6	3
27	Computational Fluid Dynamics of an Electrolytic Cell FM01-LC. ECS Transactions, 2009, 20, 103-111.	0.3	2
28	Aspects that Modify the Dissolution of Aluminum Electrodes in an Effluent from the Tissue Paper Industry. ECS Transactions, 2010, 29, 81-91.	0.3	2
29	A Comparative Analysis of 2-(Thiocyanomethylthio)-Benzothiazole Degradation Using Electro-Fenton and Anodic Oxidation on a Boron-Doped Diamond Electrode. International Journal of Photoenergy, 2018, 2018, 1-9.	1.4	2
30	General Simplified Model to Calculate Current Distribution in Electrochemical Reactors with Bipolar Electrodes. Journal of the Electrochemical Society, 2019, 166, E201-E211.	1.3	2
31	Biphasic Numerical Simulation of a Rotating Disc Electrochemical Cell. ECS Transactions, 2009, 20, 51-61.	0.3	1
32	Theoretical Analysis of the Velocity Profiles in a Diacell(R) Cell Applying Computational Fluid Dynamics. ECS Transactions, 2013, 47, 13-23.	0.3	1
33	Limiting Current Studies in an Electrodialysis Cell: Influence of Mean Linear Velocity and KCl Concentration in the Diluate Channel. ECS Transactions, 2009, 20, 83-90.	0.3	0
34	Raw data of silver extraction from sodium-silver jarosite using three different lixiviants in alkaline medium. Data in Brief, 2021, 39, 107511.	0.5	0
35	Removal of fluoride ions by calcium hydroxide-modified iron oxides. , 2017, 94, 32-39.		0
36	Adsorption of fluoride using bimetallic oxide nanoparticles supported on industrial waste prepared by a chemical reduction method. , 0, 154, 235-253.		0