

Irene GarcÃ-a-DÃ-az

List of Publications by Year in descending order

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48
papers

1,230
citations

361388

20
h-index

377849

34
g-index

48
all docs

48
docs citations

48
times ranked

1373
citing authors

#	ARTICLE	IF	CITATIONS
1	Ceramic wastes as alternative raw materials for Portland cement clinker production. <i>Cement and Concrete Composites</i> , 2008, 30, 798-805.	10.7	185
2	Recovery of carbon fibres by the thermolysis and gasification of waste prepreg. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 104, 675-683.	5.5	105
3	On the use of imidazolium and ammonium-based ionic liquids as green solvents for the selective recovery of Zn(II), Cd(II), Cu(II) and Fe(III) from hydrochloride aqueous solutions. <i>Separation and Purification Technology</i> , 2012, 97, 150-157.	7.9	69
4	Supported liquid membranes technologies in metals removal from liquid effluents. <i>Revista De Metalurgia</i> , 2011, 47, 146-168.	0.5	64
5	Textural and fuel characteristics of the chars produced by the pyrolysis of waste wood, and the properties of activated carbons prepared from them. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 104, 551-558.	5.5	63
6	Clinkers and cements obtained from raw mix containing ceramic waste as a raw material. Characterization, hydration and leaching studies. <i>Cement and Concrete Composites</i> , 2010, 32, 175-186.	10.7	52
7	Sorption of indium (III) onto carbon nanotubes. <i>Ecotoxicology and Environmental Safety</i> , 2016, 130, 81-86.	6.0	51
8	Belite cements obtained from ceramic wastes and the mineral pair CaF ₂ /CaSO ₄ . <i>Cement and Concrete Composites</i> , 2011, 33, 1063-1070.	10.7	43
9	Preparation and characterization of activated carbons from winemaking wastes and their adsorption of methylene blue. <i>Adsorption Science and Technology</i> , 2018, 36, 1331-1351.	3.2	42
10	Removal of Pb ²⁺ in Wastewater via Adsorption onto an Activated Carbon Produced from Winemaking Waste. <i>Metals</i> , 2018, 8, 697.	2.3	39
11	Synthesis and microstructural properties of zinc oxide nanoparticles prepared by selective leaching of zinc from spent alkaline batteries using ammoniacal ammonium carbonate. <i>Journal of Cleaner Production</i> , 2017, 148, 795-803.	9.3	34
12	Recovery and Purification of Tin from Tailings from the Penouta Sn-Ta-Nb Deposit. <i>Minerals (Basel)</i> , 2020, 10, 1000.	2.0	33
13	Carbon Nanofibers: A New Adsorbent for Copper Removal from Wastewater. <i>Metals</i> , 2018, 8, 914.	2.3	30
14	The removal of chromium (III) from aqueous solution by ion exchange on Amberlite 200 resin: batch and continuous ion exchange modelling. <i>Desalination and Water Treatment</i> , 2012, 45, 55-60.	1.0	29
15	Recovery of niobium and tantalum by solvent extraction from Sn-Ta-Nb mining tailings. <i>RSC Advances</i> , 2020, 10, 21406-21412.	3.6	29
16	Microencapsulation of phosphogypsum into a sulfur polymer matrix: Physico-chemical and radiological characterization. <i>Journal of Hazardous Materials</i> , 2011, 192, 234-45.	12.4	26
17	Recycling of copper flue dust via leaching-solvent extraction processing. <i>Desalination and Water Treatment</i> , 2015, 56, 1202-1207.	1.0	26
18	Cobalt(II) membrane-extraction by DP-8R/Exxsol D100 using pseudo-emulsion based hollow fiber strip dispersion (PEHFSD) processing. <i>Separation and Purification Technology</i> , 2011, 80, 467-472.	7.9	25

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19	Valorisation of waste ilmenite mud in the manufacture of sulphur polymer cement. Journal of Environmental Management, 2013, 128, 625-630.	7.8	24
20	Synthesis, characterization, crystal structure and electrochemistry of a novel palladium(II) binuclear complex containing 1,2,4-triazole bis(4-phenylthiosemicarbazone) bridges. Inorganic Chemistry Communication, 2004, 7, 756-759.	3.9	21
21	Thermal dehydration kinetics of phosphogypsum. Materiales De Construccion, 2015, 65, e061.	0.7	19
22	New photocatalytic materials obtained from the recycling of alkaline and Zn/C spent batteries. Journal of Materials Research and Technology, 2019, 8, 2809-2818.	5.8	17
23	Effect of recycled glass fiber on the corrosion behavior of reinforced mortar. Construction and Building Materials, 2014, 64, 261-269.	7.2	16
24	Cadmium(II) transfer using (TiOAC) ionic liquid as carrier in a smart liquid membrane technology. Chemical Engineering and Processing: Process Intensification, 2016, 99, 192-196.	3.6	16
25	Extraction of indium(III) from sulphuric acid medium by the ionic liquid (PJMTH+HSO ₄ ^{âˆ’}). Separation and Purification Technology, 2019, 211, 764-767.	7.9	16
26	From spent alkaline batteries to Zn _x Mn _{3x} O ₄ by a hydrometallurgical route: synthesis and characterization. RSC Advances, 2018, 8, 33496-33505.	3.6	15
27	Synthesis and characterization of ZnO micro- and nanostructures grown from recovered ZnO from spent alkaline batteries. Journal of Environmental Chemical Engineering, 2017, 5, 2903-2911.	6.7	14
28	On the Adsorption of Cerium(III) Using Multiwalled Carbon Nanotubes. Metals, 2020, 10, 1057.	2.3	13
29	Membrane-based extraction with strip/organic dispersion methodologies for metals removal and recovery from wastewaters. Desalination and Water Treatment, 2012, 40, 282-297.	1.0	12
30	Modeling of facilitated transport of Cr(III) using (RNH ₃ +HSO ₄ ^{âˆ’}) ionic liquid and pseudo-emulsion hollow fiber strip dispersion (PEHFSD) technology. Journal of Industrial and Engineering Chemistry, 2013, 19, 1086-1091.	5.8	12
31	Copper removal from acidic wastewaters using 2-hydroxy-5-nonylbenzaldehyde oxime as ionophore in pseudo-emulsion membrane with strip dispersion (PEMSD) technology. Journal of Industrial and Engineering Chemistry, 2012, 18, 255-259.	5.8	11
32	Removal of Cr(VI) and Au(III) from aqueous streams by the use of carbon nanoadsorption technology. , 0, 63, 351-356.		11
33	Transport of Cr(VI) from HCl Media Using (PJMTH+Cl ^{âˆ’}) Ionic Liquid as Carrier by Advanced Membrane Extraction Processing. Separation Science and Technology, 2012, 47, 555-561.	2.5	10
34	Oxidation and waste-to-energy output of aluminium waste packaging during incineration: A laboratory study. Waste Management, 2015, 43, 162-167.	7.4	10
35	Transport of indium(III) using pseudo-emulsion based hollow fiber strip dispersion with ionic liquid RNH ₃ +HSO ₄ ^{âˆ’} . Chemical Engineering Research and Design, 2017, 126, 134-141.	5.6	8
36	Stabilization of Phosphogypsum by Sulfur Polymer. Journal of Materials in Civil Engineering, 2013, 25, 1041-1049.	2.9	7

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37	Transport of Cr(VI) using an advanced membrane technology and (PIMTH ⁺ NO ₃ ⁻) ionic liquid derived from amine Primene JMT as green chemicals. <i>Desalination and Water Treatment</i> , 2013, 51, 7201-7207.	1.0	6
38	Photocatalytic Activity of Zn _x Mn _{3-x} O ₄ Oxides and ZnO Prepared From Spent Alkaline Batteries. <i>Frontiers in Chemistry</i> , 2020, 8, 661.	3.6	5
39	Oxidized and Non-Oxidized Multiwalled Carbon Nanotubes as Materials for Adsorption of Lanthanum(III) Aqueous Solutions. <i>Metals</i> , 2020, 10, 765.	2.3	5
40	Extracting metals from aqueous solutions using Ti-based nanostructures: a review. <i>Desalination and Water Treatment</i> , 2016, 57, 17603-17615.	1.0	4
41	Luminescence and gas-sensing properties of ZnO obtained from the recycling of alkaline batteries. <i>Journal of Materials Science</i> , 2018, 53, 2026-2033.	3.7	4
42	Synthesis, Characterization, Molecular Structure, and Electrochemistry of a New Ferrocenoyl Derivative. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 1979-1981.	1.2	2
43	Characterization and Valorization of Norm Wastes for Construction Materials. , 0, , .		2
44	Liquid-liquid extraction of cadmium(II) by TIOACl (tri-iso-octylammonium chloride) ionic liquid and its application to a TIOACl impregnated carbon nanotubes system. <i>Revista De Metalurgia</i> , 2015, 51, e051.	0.5	2
45	Efecto del ZnO, ZrO ₂ y B ₂ O ₃ en el proceso de clinkerizaci3n. Parte I. Reacciones de clinkerizacion y composici3n de los clAnkeres. <i>Materiales De Construccion</i> , 2008, 58, .	0.7	1
46	Efecto del ZnO, ZrO ₂ y B ₂ O ₃ en el proceso de clinkerizaci3n. Parte II. MetodologAa de separaci3n de fases y distribuci3n en las fases del clAnker. <i>Materiales De Construccion</i> , 2009, 59, 53-74.	0.7	1
47	Membrane-based extraction with strip/organic dispersion methodologies for metals removal and recovery from wastewaters. , 0, 40, 282-297.		1
48	Tin and silver recovery from wave soldering dross. <i>Waste Management and Research</i> , 2018, 36, 1201-1209.	3.9	0