

Roel Cruz

List of Publications by Year in descending order

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36
papers

803
citations

430874

18
h-index

501196

28
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36
all docs

36
docs citations

36
times ranked

825
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of organic agents on the oxidation process of chalcopryrite in a sulfuric acid solution. <i>Electrochimica Acta</i> , 2020, 355, 136789.	5.2	11
2	A Comparative Analysis of 2-(Thiocyanomethylthio)-Benzothiazole Degradation Using Electro-Fenton and Anodic Oxidation on a Boron-Doped Diamond Electrode. <i>International Journal of Photoenergy</i> , 2018, 2018, 1-9.	2.5	2
3	Electrochemical oxidation of cyanide on 3D TiO ₂ /RuO ₂ anode using a filter-press electrolyzer. <i>Chemosphere</i> , 2017, 177, 1-6.	8.2	15
4	Dissolution rates of jarosite-type compounds in H ₂ SO ₄ medium: A kinetic analysis and its importance on the recovery of metal values from hydrometallurgical wastes. <i>Hydrometallurgy</i> , 2017, 167, 16-29.	4.3	31
5	Electrochemical and spectroscopic study of interfacial interactions between chalcopryrite and typical flotation process reagents. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2016, 23, 127-136.	4.9	16
6	Arsenopyrite weathering under conditions of simulated calcareous soil. <i>Environmental Science and Pollution Research</i> , 2016, 23, 3681-3706.	5.3	15
7	An Overview of Reclaimed Wastewater Reuse in Gold Heap Leaching. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2016, 37, 274-285.	5.0	10
8	An experimental study of iron sulfides weathering under simulated calcareous soil conditions. <i>Environmental Earth Sciences</i> , 2015, 73, 1849-1869.	2.7	28
9	Kinetic Analysis of the Decomposition of the KFe ₃ (SO ₄) ₂ -x(CrO ₄) _x (OH) ₆ Jarosite Solid Solution in Ca(OH) ₂ Medium. <i>Journal of the Brazilian Chemical Society</i> , 2015, , .	0.6	0
10	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.	3.2	17
11	Desalination by capacitive deionization process using nitric acid-modified activated carbon as the electrodes. <i>Desalination</i> , 2014, 340, 67-72.	8.2	77
12	Influence of the surface speciation on biofilm attachment to chalcopryrite by <i>Acidithiobacillus thiooxidans</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 2711-2724.	3.6	26
13	Adsorption Study of Sodium Isopropyl Xanthate On Chalcopryrite. <i>ECS Transactions</i> , 2013, 47, 69-75.	0.5	4
14	Chemical treatment of the intra-canal dentin surface: a new approach to modify dentin hydrophobicity. <i>Journal of Applied Oral Science</i> , 2013, 21, 63-67.	1.8	2
15	Thermodynamic and electrochemistry analysis of the zinc electrodeposition in NH ₄ Cl/NH ₃ electrolytes on Ti, Glassy Carbon and 316L Stainless Steel. <i>Electrochimica Acta</i> , 2012, 79, 109-116.	5.2	26
16	Influence of the sulfur species reactivity on biofilm conformation during pyrite colonization by <i>Acidithiobacillus thiooxidans</i> . <i>Applied Microbiology and Biotechnology</i> , 2012, 95, 799-809.	3.6	20
17	Evolution of biofilms during the colonization process of pyrite by <i>Acidithiobacillus thiooxidans</i> . <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 763-775.	3.6	17
18	Galena weathering under simulated calcareous soil conditions. <i>Science of the Total Environment</i> , 2011, 409, 3971-9.	8.0	40

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19	Study of Adsorption of Sodium Isopropyl Xanthate on Galena. ECS Transactions, 2011, 36, 463-470.	0.5	1
20	Interfacial insights of pyrite colonized by Acidithiobacillus thiooxidans cells under acidic conditions. Hydrometallurgy, 2010, 103, 35-44.	4.3	19
21	Aspects that Modify the Dissolution of Aluminum Electrodes in an Effluent from the Tissue Paper Industry. ECS Transactions, 2010, 29, 81-91.	0.5	2
22	Electrochemical and Spectroscopic Analysis of the Arsenopyrite (FeAsS) Oxidation under Calcareous Soil Conditions. ECS Transactions, 2010, 28, 105-116.	0.5	0
23	Effects of the Coordination Sphere in Zinc Deposition from NH ₄ Cl Solutions. ECS Transactions, 2008, 15, 161-169.	0.5	3
24	Electrochemical study of binary and ternary copper complexes in ammonia-chloride medium. Electrochimica Acta, 2007, 52, 6106-6117.	5.2	36
25	Electrochemical Characterization of Galena under Simulated Carbonate Rich Weathering Conditions. ECS Meeting Abstracts, 2006, , .	0.0	0
26	The role of temperature in copper electrocrystallization in ammonia-chloride solutions. Electrochimica Acta, 2006, 52, 892-903.	5.2	44
27	Electrochemical Characterization of Galena under Simulated Carbonate Rich Weathering Conditions. ECS Transactions, 2006, 2, 209-219.	0.5	1
28	Electrochemical Study of Copper(II) Reduction from Ammonia-Chloride Solutions. ECS Transactions, 2006, 2, 355-364.	0.5	2
29	An experimental strategy to determine galvanic interactions affecting the reactivity of sulfide mineral concentrates. Hydrometallurgy, 2005, 78, 198-208.	4.3	62
30	Acid dissolution influences bacterial attachment and oxidation of arsenopyrite. Minerals Engineering, 2005, 18, 1024-1031.	4.3	33
31	Electrochemical characterization of pyrrhotite reactivity under simulated weathering conditions. Applied Geochemistry, 2005, 20, 109-121.	3.0	29
32	Effect of sulfide impurities on the reactivity of pyrite and pyritic concentrates: a multi-tool approach. Applied Geochemistry, 2001, 16, 803-819.	3.0	77
33	Cyclic voltammetry applied to evaluate reactivity in sulfide mining residues. Applied Geochemistry, 2001, 16, 1631-1640.	3.0	43
34	Electrochemical Study of Orpiment (As ₂ S ₃) and Realgar (As ₂ S ₂) in Acidic Media. Electrochemical Society, 1997, 144, 4128-4132.	2.9	20
35	Electrochemical oxidation of arsenopyrite in acidic media. International Journal of Mineral Processing, 1997, 50, 63-75.	2.6	38
36	Surface characterization of arsenopyrite in acidic medium by triangular scan voltammetry on carbon paste electrodes. Hydrometallurgy, 1997, 46, 303-319.	4.3	36