

Pau Rodenas

List of Publications by Year in descending order

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14
papers

558
citations

1040056

9
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1281871

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all docs

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docs citations

14
times ranked

1141
citing authors

#	ARTICLE	IF	CITATIONS
1	Water Oxidation at Hematite Photoelectrodes with an Iridium-Based Catalyst. <i>Journal of Physical Chemistry C</i> , 2013, 117, 3826-3833.	3.1	128
2	Harnessing Infrared Photons for Photoelectrochemical Hydrogen Generation. A PbS Quantum Dot Based "Quasi-Artificial Leaf". <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 141-146.	4.6	101
3	Quantum Dot Based Heterostructures for Unassisted Photoelectrochemical Hydrogen Generation. <i>Advanced Energy Materials</i> , 2013, 3, 176-182.	19.5	101
4	High rate copper and energy recovery in microbial fuel cells. <i>Frontiers in Microbiology</i> , 2015, 6, 527.	3.5	55
5	Carrier density and interfacial kinetics of mesoporous TiO ₂ in aqueous electrolyte determined by impedance spectroscopy. <i>Journal of Electroanalytical Chemistry</i> , 2012, 668, 119-125.	3.8	54
6	Comparative Performance of Microbial Desalination Cells Using Air Diffusion and Liquid Cathode Reactions: Study of the Salt Removal and Desalination Efficiency. <i>Frontiers in Energy Research</i> , 2019, 7, .	2.3	42
7	Hydrogen as electron donor for copper removal in bioelectrochemical systems. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 5758-5764.	7.1	35
8	Prototype of a scaled-up microbial fuel cell for copper recovery. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 2817-2824.	3.2	20
9	Algae-Assisted Microbial Desalination Cell: Analysis of Cathode Performance and Desalination Efficiency Assessment. <i>Processes</i> , 2021, 9, 2011.	2.8	11
10	Gas diffusion electrodes improve hydrogen gas mass transfer for a hydrogen oxidizing bioanode. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 2963-2968.	3.2	9
11	Supporting Operational Decisions on Desalination Plants from Process Modelling and Simulation to Monitoring and Automated Control with Machine Learning. <i>Lecture Notes in Business Information Processing</i> , 2020, , 150-164.	1.0	2
12	Metals recovery from wastewater by microbial electrochemical technologies. , 2020, , 281-307.		0
13	Microbial desalination cell design & bioengineering assays: Main concepts. , 2021, , 15-40.		0
14	Key elements and materials in microbial desalination cells. , 2021, , 41-92.		0