

Franky Bedoya-Lora

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

637
citations

1040056

9
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

938
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of photon-driven charge transfer efficiency: Drawbacks, accuracy and precision of different methods using Hematite as case of study. <i>Electrochimica Acta</i> , 2022, 402, 139559.	5.2	7
2	Evaluation of N,N,N-Dimethylbutylammonium Methanesulfonate Ionic liquid for electrochemical recovery of lead from lead-acid batteries. <i>Electrochimica Acta</i> , 2021, 376, 137893.	5.2	6
3	Capacity fading of high specific capacity spinel $\text{Li}_x\text{Mn}_{2-y}\text{Ti}_y\text{O}_4$ as cathode material for Li-ion batteries. <i>Journal of Applied Electrochemistry</i> , 2021, 51, 1419-1435.	2.9	5
4	Electrochemical techniques for photoelectrode characterisation. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 29, 100463.	5.9	11
5	En Route to a Unified Model for Photoelectrochemical Reactor Optimization. II – Geometric Optimization of Perforated Photoelectrodes. <i>Frontiers in Chemical Engineering</i> , 2021, 3, .	2.7	4
6	Towards an environmentally and economically sustainable biorefinery: heavy metal contaminated waste wood as a low-cost feedstock in a low-cost ionic liquid process. <i>Green Chemistry</i> , 2020, 22, 5032-5041.	9.0	24
7	Effectiveness of non-Fickian diffusion model on the water uptake determination of different organic coatings. <i>Progress in Organic Coatings</i> , 2019, 136, 105206.	3.9	8
8	In situ determination of polysulfides in alkaline hydrogen sulfide solutions. <i>Electrochimica Acta</i> , 2019, 314, 40-48.	5.2	6
9	Hydrogen sulfide splitting using solar energy and hematite photo-anodes. <i>Electrochimica Acta</i> , 2019, 317, 384-397.	5.2	4
10	Flat band potential determination: avoiding the pitfalls. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26162-26176.	10.3	258
11	Optical Losses at Gas Evolving Photoelectrodes: Implications for Photoelectrochemical Water Splitting. <i>Journal of Physical Chemistry C</i> , 2019, 123, 17-28.	3.1	32
12	From millimetres to metres: the critical role of current density distributions in photo-electrochemical reactor design. <i>Energy and Environmental Science</i> , 2017, 10, 346-360.	30.8	73
13	En route to a unified model for photo-electrochemical reactor optimisation. I - Photocurrent and H_2 yield predictions. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22683-22696.	10.3	21
14	Effects of low temperature annealing on the photo-electrochemical performance of tin-doped hematite photo-anodes. <i>Electrochimica Acta</i> , 2017, 251, 1-11.	5.2	25
15	Photo-electrochemical hydrogen sulfide splitting using Sn IV -doped hematite photo-anodes. <i>Electrochemistry Communications</i> , 2016, 68, 19-22.	4.7	14
16	Electrochemical impedance study for modeling the anticorrosive performance of coatings based on accelerated tests and outdoor exposures. <i>Journal of Coatings Technology Research</i> , 2016, 13, 895-904.	2.5	7
17	Carbon nitride nanosheet/organic framework nanocomposites with synergistic photocatalytic activities. <i>Catalysis Science and Technology</i> , 2016, 6, 5042-5051.	4.1	116
18	New strategy to assess the performance of organic coatings during ultraviolet – condensation weathering tests. <i>Electrochimica Acta</i> , 2014, 124, 119-127.	5.2	13

#	ARTICLE	IF	CITATIONS
19	Reply to the "Comment on "Flat band potential determination: avoiding the pitfalls" by M. I. D�ez-Garc�a, D. Monllor-Satoca and R. G�mez, <i>J. Mater. Chem. A</i>, 2022, 10, DOI: 10.1039/D1TA06474F. Journal of Materials Chemistry A, 0, , .	10.3	0