

Joao Azevedo

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,059
citations

567144

15
h-index

713332

21
g-index

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all docs

21
docs citations

21
times ranked

1786
citing authors

#	ARTICLE	IF	CITATIONS
1	Ruthenium Oxide Hydrogen Evolution Catalysis on Composite Cuprous Oxide Water-Splitting Photocathodes. <i>Advanced Functional Materials</i> , 2014, 24, 303-311.	7.8	253
2	Transparent Cuprous Oxide Photocathode Enabling a Stacked Tandem Cell for Unbiased Water Splitting. <i>Advanced Energy Materials</i> , 2015, 5, 1501537.	10.2	149
3	On the stability enhancement of cuprous oxide water splitting photocathodes by low temperature steam annealing. <i>Energy and Environmental Science</i> , 2014, 7, 4044-4052.	15.6	121
4	Direct Solar Charging of an Organic-Inorganic, Stable, and Aqueous Alkaline Redox Flow Battery with a Hematite Photoanode. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7142-7147.	7.2	95
5	Tin oxide as stable protective layer for composite cuprous oxide water-splitting photocathodes. <i>Nano Energy</i> , 2016, 24, 10-16.	8.2	84
6	Unbiased solar energy storage: Photoelectrochemical redox flow battery. <i>Nano Energy</i> , 2016, 22, 396-405.	8.2	63
7	Integrated design of hematite and dye-sensitized solar cell for unbiased solar charging of an organic-inorganic redox flow battery. <i>Nano Energy</i> , 2019, 62, 832-843.	8.2	39
8	Solar water splitting under natural concentrated sunlight using a 200 Åcm ² photoelectrochemical-photovoltaic device. <i>Journal of Power Sources</i> , 2020, 454, 227890.	4.0	35
9	Lasing transition ($4F_3/2 \rightarrow 4I_{11/2}$) at 1.061 μm in neodymium oxide doped lithium boro tellurite glass. <i>Physica B: Condensed Matter</i> , 2010, 405, 4696-4701.	1.3	34
10	Luminescence and decay trends for NIR transition ($4I_{13/2} \rightarrow 4I_{15/2}$) at 1.51 μm in Er ³⁺ -doped LBT glasses. <i>Optical Materials</i> , 2011, 33, 1167-1173.	1.7	29
11	On the Deposition of Lead Halide Perovskite Precursors by Physical Vapor Method. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2080-2087.	1.5	28
12	Ultra-long Fe nanowires by pulsed electrodeposition with full filling of alumina templates. <i>Materials Research Express</i> , 2014, 1, 015028.	0.8	25
13	Giant intrinsic thermomagnetic effects in thin MgO magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2013, 102, 212413.	1.5	21
14	Influence of the Rest Pulse Duration in Pulsed Electrodeposition of Fe Nanowires. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 9112-9117.	0.9	19
15	High purity and crystalline thin films of methylammonium lead iodide perovskites by a vapor deposition approach. <i>Thin Solid Films</i> , 2018, 664, 12-18.	0.8	16
16	Double-walled iron oxide nanotubes via selective chemical etching and Kirkendall process. <i>Scientific Reports</i> , 2019, 9, 11994.	1.6	13
17	Direct Solar Charging of an Organic-Inorganic, Stable, and Aqueous Alkaline Redox Flow Battery with a Hematite Photoanode. <i>Angewandte Chemie</i> , 2016, 128, 7258-7263.	1.6	8
18	The effect of electrolyte re-utilization in the growth rate and morphology of TiO ₂ nanotubes. <i>Materials Letters</i> , 2016, 171, 224-227.	1.3	8

#	ARTICLE	IF	CITATIONS
19	Microbially-charged electrochemical fuel for energy storage in a redox flow cell. Journal of Power Sources, 2020, 445, 227307.	4.0	8
20	On the path to aqueous organic redox flow batteries: Alizarin red S alkaline negolyte. Performance evaluation and photochemical studies. Journal of Molecular Liquids, 2021, 336, 116364.	2.3	6
21	Phenomenological Understanding of Hematite Photoanode Performance. Journal of Physical Chemistry C, 2021, 125, 8274-8284.	1.5	5