Joao Azevedo

List of Publications by Year
in descending order

21 papers	1,059 citations	567281 15 h-index	713466 21 g-index
21 all docs	21 docs citations	21 times ranked	1786 citing authors

#	Article	IF	Citations
1	Ruthenium Oxide Hydrogen Evolution Catalysis on Composite Cuprous Oxide Waterâ€Splitting Photocathodes. Advanced Functional Materials, 2014, 24, 303-311.	14.9	253
2	Transparent Cuprous Oxide Photocathode Enabling a Stacked Tandem Cell for Unbiased Water Splitting. Advanced Energy Materials, 2015, 5, 1501537.	19.5	149
3	On the stability enhancement of cuprous oxide water splitting photocathodes by low temperature steam annealing. Energy and Environmental Science, 2014, 7, 4044-4052.	30.8	121
4	Direct Solar Charging of an Organicâ€“Inorganic, Stable, and Aqueous Alkaline Redox Flow Battery with a Hematite Photoanode. Angewandte Chemie - International Edition, 2016, 55, 7142-7147.	13.8	95
5	Tin oxide as stable protective layer for composite cuprous oxide water-splitting photocathodes. Nano Energy, 2016, 24, 10-16.	16.0	84
6	Unbiased solar energy storage: Photoelectrochemical redox flow battery. Nano Energy, 2016, 22, 396-405.	16.0	63
7	Integrated design of hematite and dye-sensitized solar cell for unbiased solar charging of an organic-inorganic redox flow battery. Nano Energy, 2019, 62, 832-843.	16.0	39
8	Solar water splitting under natural concentrated sunlight using a 200Âcm2 photoelectrochemical-photovoltaic device. Journal of Power Sources, 2020, 454, 227890.	7.8	35
9	Lasing transition (4F3/2â†'4I11/2) at 1.06Î¼m in neodymium oxide doped lithium boro tellurite glass. Physica B: Condensed Matter, 2010, 405, 4696-4701.	2.7	34
10	Luminescence and decay trends for NIR transition (4I13/2â†'4Il5/2) at 1.5Î¼m in Er3+-doped LBT glasses. Optical Materials, 2011, 33, 1167-1173.	3.6	29
11	On the Deposition of Lead Halide Perovskite Precursors by Physical Vapor Method. Journal of Physical Chemistry C, 2017, 121, 2080-2087.	3.1	28
12	Ultra-long Fe nanowires by pulsed electrodeposition with full filling of alumina templates. Materials Research Express, 2014, 1, 015028.	1.6	25
13	Giant intrinsic thermomagnetic effects in thin MgO magnetic tunnel junctions. Applied Physics Letters, 2013, 102, 212413.	3.3	21
14	Influence of the Rest Pulse Duration in Pulsed Electrodeposition of Fe Nanowires. Journal of Nanoscience and Nanotechnology, 2012, 12, 9112-9117.	0.9	19
15	High purity and crystalline thin films of methylammonium lead iodide perovskites by a vapor deposition approach. Thin Solid Films, 2018, 664, 12-18.	1.8	16
16	Double-walled iron oxide nanotubes via selective chemical etching and Kirkendall process. Scientific Reports, 2019, 9, 11994.	3.3	13
17	Direct Solar Charging of an Organicâ€“Inorganic, Stable, and Aqueous Alkaline Redox Flow Battery with a Hematite Photoanode. Angewandte Chemie, 2016, 128, 7258-7263.	2.0	8
18	The effect of electrolyte re-utilization in the growth rate and morphology of TiO 2 nanotubes. Materials Letters, 2016, 171, 224-227.	2.6	8

#	Article	IF	Citations
19	Microbially-charged electrochemical fuel for energy storage in a redox flow cell. Journal of Power Sources, 2020, 445, 227307.	7.8	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.	4.9	6
21	Phenomenological Understanding of Hematite Photoanode Performance. Journal of Physical Chemistry C, 2021, 125, 8274-8284.	3.1	5