

João Batista Souza

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

527
citations

840585

11
h-index

752573

20
g-index

21
all docs

21
docs citations

21
times ranked

968
citing authors

#	ARTICLE	IF	CITATIONS
1	Solution chemistry back-contact FTO/hematite interface engineering for efficient photocatalytic water oxidation. Chinese Journal of Catalysis, 2022, 43, 1247-1257.	6.9	14
2	The Influence of Magnetic Field and Nanoparticle Concentration on the Thin Film Colloidal Deposition Process of Magnetic Nanoparticles: The Search for High-Efficiency Hematite Photoanodes. Nanomaterials, 2022, 12, 1636.	1.9	2
3	Advances in Engineered Metal Oxide Thin Films by Low-Cost, Solution-Based Techniques for Green Hydrogen Production. Nanomaterials, 2022, 12, 1957.	1.9	5
4	Pair Distribution Function Obtained from Electron Diffraction: An Advanced Real-Space Structural Characterization Tool. Matter, 2021, 4, 441-460.	5.0	29
5	Unveiling the dopant segregation effect at hematite interfaces. Applied Physics Letters, 2021, 118, .	1.5	13
6	An intensity modulated photocurrent spectroscopy study of the role of titanium in thick hematite photoanodes. Applied Physics Letters, 2021, 119, .	1.5	11
7	On the relevance of understanding and controlling the locations of dopants in hematite photoanodes for low-cost water splitting. Applied Physics Letters, 2021, 119, .	1.5	16
8	Gold nanowire growth through stacking fault mechanism by oleylamine-mediated synthesis. Nanoscale, 2020, 12, 13316-13329.	2.8	10
9	Pair Distribution Function from Electron Diffraction in Cryogenic Electron Microscopy: Revealing Glassy Water Structure. Journal of Physical Chemistry Letters, 2020, 11, 1564-1569.	2.1	16
10	Bismuth and cerium doped cryptomelane-type manganese dioxide nanorods as bifunctional catalysts for rechargeable alkaline metal-air batteries. Applied Catalysis B: Environmental, 2019, 258, 118014.	10.8	41
11	Discovering a selective semimetal element to increase hematite photoanode charge separation efficiency. Journal of Materials Chemistry A, 2019, 7, 16992-16998.	5.2	22
12	Phosphotellurite glass and glass-ceramics with high TeO ₂ contents: thermal, structural and optical properties. Dalton Transactions, 2019, 48, 6261-6272.	1.6	26
13	Inorganic and organic-inorganic composite nanoparticles with potential biomedical applications: synthesis challenges for enhanced performance. , 2019, , 47-99.		8
14	A general one-pot synthetic strategy to reduced graphene oxide (rGO) and rGO-nanoparticle hybrid materials. Carbon, 2019, 143, 73-84.	5.4	32
15	Size and shape-controlled nanomaterials based on modified polyol and thermal decomposition approaches. A brief review.. Anais Da Academia Brasileira De Ciencias, 2019, 91, .	0.3	33
16	Magneto-plasmonic Au-Coated Co nanoparticles synthesized via hot-injection method. Nanotechnology, 2018, 29, 065604.	1.3	14
17	Luminomagnetic Silica-Coated Heterodimers of Core/Shell FePt/Fe ₃ O ₄ and CdSe Quantum Dots as Potential Biomedical Sensor. Journal of Nanomaterials, 2017, 2017, 1-9.	1.5	5
18	Paper-Based Microfluidics Immunoassay for Detection of Canine Distemper Virus. Brazilian Archives of Biology and Technology, 2017, 60, .	0.5	4

#	ARTICLE	IF	CITATIONS
19	Assessment of Anisotropic Semiconductor Nanorod and Nanoplatelet Heterostructures with Polarized Emission for Liquid Crystal Display Technology. ACS Nano, 2016, 10, 5769-5781.	7.3	195
20	Electrocatalytic Activity of Different Phases of Molybdenum Carbide/Carbon and Platinum-Molybdenum Carbide/Carbon Composites toward the Oxygen Reduction Reaction. ChemElectroChem, 2016, 3, 1570-1579.	1.7	30
21	Field-assisted self-assembly process: general discussion. Faraday Discussions, 2015, 181, 463-479.	1.6	1