

Yaser Bahari

List of Publications by Year in descending order

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17
papers

514
citations

933447

10
h-index

888059

17
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17
all docs

17
docs citations

17
times ranked

743
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-high surface area graphitic Fe-N-C nanospheres with single-atom iron sites as highly efficient non-precious metal bifunctional catalysts towards oxygen redox reactions. <i>Journal of Catalysis</i> , 2018, 368, 279-290.	6.2	105
2	Application of two-dimensional materials as anodes for rechargeable metal-ion batteries: A comprehensive perspective from density functional theory simulations. <i>Energy Storage Materials</i> , 2021, 35, 203-282.	18.0	84
3	Molecular-level design of Fe-N-C catalysts derived from Fe-dual pyridine coordination complexes for highly efficient oxygen reduction. <i>Journal of Catalysis</i> , 2019, 372, 245-257.	6.2	56
4	Highly sensitive 3D gold nanotube ensembles: Application to electrochemical determination of metronidazole. <i>Electrochimica Acta</i> , 2013, 106, 288-292.	5.2	49
5	Simple fabrication of porous NiO nanoflowers: Growth mechanism, shape evolution and their application into Li-ion batteries. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 7202-7211.	7.1	42
6	Electrodeposition of long gold nanotubes in polycarbonate templates as highly sensitive 3D nanoelectrode ensembles. <i>Electrochimica Acta</i> , 2012, 75, 157-163.	5.2	38
7	Cephalexin nanoparticles: Synthesis, cytotoxicity and their synergistic antibacterial study in combination with silver nanoparticles. <i>Materials Chemistry and Physics</i> , 2017, 198, 125-130.	4.0	28
8	Electrodeposited Ni-W nanoparticles: Enhanced catalytic activity toward hydrogen evolution reaction in acidic media. <i>Materials Letters</i> , 2018, 213, 15-18.	2.6	22
9	In situ molecular-level synthesis of N, S co-doped carbon as efficient metal-free oxygen redox electrocatalysts for rechargeable Zn-Air batteries. <i>Applied Materials Today</i> , 2020, 20, 100737.	4.3	22
10	Critical role of iron carbide nanodots on 3D graphene based nonprecious metal catalysts for enhancing oxygen reduction reaction. <i>Electrochimica Acta</i> , 2018, 281, 502-509.	5.2	17
11	Elucidation of thermo-mechanical properties of silicon nanowires from a molecular dynamics perspective. <i>Computational Materials Science</i> , 2021, 200, 110821.	3.0	12
12	Preclinical assessment of chitosan-polyvinyl alcohol-graphene oxide nanocomposite scaffolds as a wound dressing. <i>Polymers and Polymer Composites</i> , 2021, 29, S926-S936.	1.9	10
13	A study on the viscoelastic behavior of chitosan-polyvinyl alcohol-graphene oxide nanocomposite films as a wound dressing. <i>Polymers and Polymer Composites</i> , 2021, 29, 1259-1272.	1.9	9
14	Electrodeposition of well-defined gold nanowires with uniform ends for developing 3D nanoelectrode ensembles with enhanced sensitivity. <i>Materials Chemistry and Physics</i> , 2018, 213, 67-75.	4.0	7
15	Experimental investigation into the lateral resistance of Y-shape steel sleepers on ballasted tracks. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2021, 235, 917-924.	2.0	7
16	Application of 3D gold nanotube ensembles in electrochemical sensing of ultra-trace Hg (II) in drinkable water. <i>Surfaces and Interfaces</i> , 2018, 10, 27-31.	3.0	3
17	Numerical and Experimental Analysis of Lateral Resistance of Single Y-Shaped Steel Sleeper on Ballasted Tracks. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, .	2.9	3