

Abouzar Massoudi

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

346
citations

1040056

9
h-index

839539

18
g-index

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all docs

25
docs citations

25
times ranked

303
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced Preâ€”Diagnosis Method of Biomass Intermediates Toward High Energy Dualâ€”Carbon Potassiumâ€”Ion Capacitor. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	76
2	Multiple attractors in Koperâ€”Gaspard model of electrochemical periodic and chaotic oscillations. <i>Journal of Electroanalytical Chemistry</i> , 2010, 647, 74-86.	3.8	38
3	Chemical-Mechanical Effects in Ni-Rich Cathode Materials. <i>Chemistry of Materials</i> , 2022, 34, 1509-1523.	6.7	34
4	Combination of surface texturing and nanostructure coating for reduction of light reflection in ZnO/Si heterojunction thin film solar cell. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 6289-6296.	2.2	29
5	Mussel-inspired surface modification of titania nanotubes as a novel drug delivery system. <i>Materials Science and Engineering C</i> , 2017, 77, 748-754.	7.3	27
6	Improved in-vitro corrosion performance of titanium using a duplex system of plasma electrolytic oxidation and graphene oxide incorporated silane coatings. <i>Surface and Coatings Technology</i> , 2021, 422, 127558.	4.8	25
7	MnO ₂ Nanowires Anchored with Graphene Quantum Dots for Stable Aqueous Zinc-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 10940-10947.	5.1	17
8	Effect of silane-coupling modification on bioactivity and in vitro properties of anodized titania nanotube arrays. <i>Materials Letters</i> , 2016, 185, 374-378.	2.6	11
9	The effect of seed layer on optical and structural characteristics of ZnO nanorod arrays deposited by CBD method. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 15495-15499.	2.2	11
10	Investigation of the lithium-ion depletion in the silicon-silicon carbide anode/electrolyte interface in lithium-ion battery via electrochemical impedance spectroscopy. <i>Journal of Electroanalytical Chemistry</i> , 2020, 873, 114385.	3.8	10
11	Tailoring inâ€”vitro drug delivery properties of titania nanotubes functionalized with (3-Glycidoxypropyl) trimethoxysilane. <i>Materials Chemistry and Physics</i> , 2017, 193, 290-297.	4.0	9
12	Quantitative and qualitative investigation of the fuel utilization and introducing a novel calculation idea based on transfer phenomena in a polymer electrolyte membrane (PEM) fuel cell. <i>Energy Conversion and Management</i> , 2017, 131, 90-98.	9.2	8
13	Dispersion-corrected DFT design of nitrogen doped- or TMN4 embedded buckybowl-like porous carbon derived from zeolitic imidazolate frameworks as anode material of sodium-ion battery. <i>Applied Surface Science</i> , 2021, 562, 150156.	6.1	8
14	Electronic Effect and Regiochemistry of Substitution in Pre-sodiation Chemistry. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11968-11979.	4.6	7
15	Optimization of silicene oxidation as lithium-ion battery anode. <i>Materials Today: Proceedings</i> , 2021, 42, 1588-1591.	1.8	6
16	Electrochemical Performance of Nitrogenâ€”Doped Graphene/Silicene Composite as a Pseudocapacitive Anode for Lithiumâ€”Ion Battery. <i>ChemistrySelect</i> , 2022, 7, .	1.5	5
17	Synthesis and electrochemical characterization of F- and Cl-doped Li ₂ FeSiO ₄ cathode material for lithium-ion battery. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 2310-2321.	2.2	5
18	An ab initio study of chlorine and fluorine doping on Li ₂ FeSiO ₄ as cathode materials for Li-ion battery. <i>Journal of the Australian Ceramic Society</i> , 2022, 58, 1039-1052.	1.9	5

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19	Size-tunable Ni-Cu nanoparticles using nucleation and growth control of Polyol Reduction Method. <i>Materials Today: Proceedings</i> , 2018, 5, 15761-15767.	1.8	4
20	Investigation of optoelectrical and Schottky behavior of diamond-like carbon coating deposited by hollow cathode PACVD method. <i>Optical Materials</i> , 2021, 119, 111385.	3.6	4
21	Power and energy performance of porous silicon carbide anode in lithium-metal battery. <i>Materials Today: Proceedings</i> , 2021, 42, 1534-1537.	1.8	3
22	ECV Doping Profile Measurements in Silicon Using Conventional Potentiostat. <i>Journal of Electronic Materials</i> , 2018, 47, 7309-7315.	2.2	2
23	An Innovative Electrolysis Approach for the Synthesis of Metal Matrix Bulk Nanocomposites: A Case Study on Copper-Niobium System. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018, 49, 1355-1362.	2.2	1
24	Copper Bimetals and Their Nanocomposites. , 0, , .		1
25	Synthesis of nanocrystalline silicon using the recrystallisation of binary silica cryogel/Mg system via self-propagating high-temperature combustion in the presence of NaCl as a metal halide diluent. <i>Micro and Nano Letters</i> , 2018, 13, 207-212.	1.3	0