

# Abouzar Massoudi

## List of Publications by Year in descending order

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25  
papers

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citations

1040056

9  
h-index

839539

18  
g-index

25  
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25  
docs citations

25  
times ranked

303  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical-Mechanical Effects in Ni-Rich Cathode Materials. <i>Chemistry of Materials</i> , 2022, 34, 1509-1523.	6.7	34
2	Electrochemical Performance of Nitrogen-Doped Graphene/Silicene Composite as a Pseudocapacitive Anode for Lithium-ion Battery. <i>ChemistrySelect</i> , 2022, 7, .	1.5	5
3	Advanced Pre-Diagnosis Method of Biomass Intermediates Toward High Energy Dual-Carbon Potassium-ion Capacitor. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	76
4	Synthesis and electrochemical characterization of F- and Cl-doped Li <sub>2</sub> FeSiO <sub>4</sub> cathode material for lithium-ion battery. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 2310-2321.	2.2	5
5	An ab initio study of chlorine and fluorine doping on Li <sub>2</sub> FeSiO <sub>4</sub> as cathode materials for Li-ion battery. <i>Journal of the Australian Ceramic Society</i> , 2022, 58, 1039-1052.	1.9	5
6	Optimization of silicene oxidation as lithium-ion battery anode. <i>Materials Today: Proceedings</i> , 2021, 42, 1588-1591.	1.8	6
7	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
8	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
9	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
10	Dispersion-corrected DFT design of nitrogen doped- or TMN <sub>4</sub> embedded bucky bowl-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
11	MnO <sub>2</sub> 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
12	Electronic Effect and Regiochemistry of Substitution in Pre-sodiation Chemistry. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11968-11979.	4.6	7
13	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
14	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
15	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
16	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
17	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
18	ECV Doping Profile Measurements in Silicon Using Conventional Potentiostat. <i>Journal of Electronic Materials</i> , 2018, 47, 7309-7315.	2.2	2

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19	Tailoring in 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
20	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
21	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
22	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
23	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
24	Multiple attractors in Koper's Gaspard model of electrochemical periodic and chaotic oscillations. <i>Journal of Electroanalytical Chemistry</i> , 2010, 647, 74-86.	3.8	38
25	Copper Bimetals and Their Nanocomposites. , 0, , .		1