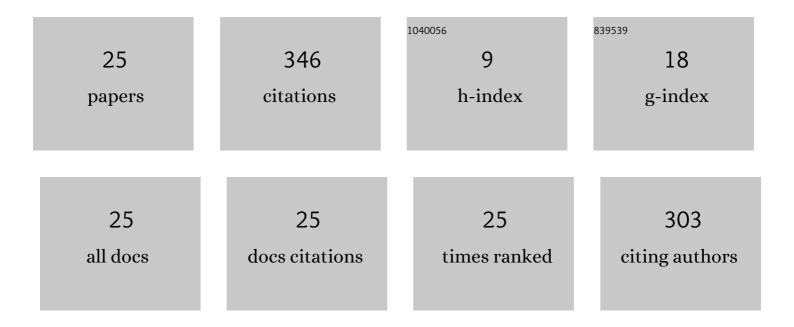
Abouzar Massoudi

List of Publications by Year in descending order

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Version: 2024-02-01



#	Article	IF	CITATIONS
1	Advanced Preâ€Diagnosis Method of Biomass Intermediates Toward High Energy Dual arbon Potassiumâ€lon Capacitor. Advanced Energy Materials, 2022, 12, .	19.5	76
2	Multiple attractors in Koper–Gaspard model of electrochemical periodic and chaotic oscillations. Journal of Electroanalytical Chemistry, 2010, 647, 74-86.	3.8	38
3	Chemical-Mechanical Effects in Ni-Rich Cathode Materials. Chemistry of Materials, 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. Journal of Materials Science: Materials in Electronics, 2018, 29, 6289-6296.	2.2	29
5	Mussel-inspired surface modification of titania nanotubes as a novel drug delivery system. Materials Science and Engineering C, 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. Surface and Coatings Technology, 2021, 422, 127558.	4.8	25
7	MnO ₂ Nanowires Anchored with Graphene Quantum Dots for Stable Aqueous Zinc-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 10940-10947.	5.1	17
8	Effect of silane-coupling modification on bioactivity and in vitro properties of anodized titania nanotube arrays. Materials Letters, 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. Journal of Materials Science: Materials in Electronics, 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. Journal of Electroanalytical Chemistry, 2020, 873, 114385.	3.8	10
11	Tailoring inÂvitro drug delivery properties of titania nanotubes functionalized with (3-Clycidoxypropyl) trimethoxysilane. Materials Chemistry and Physics, 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. Energy Conversion and Management, 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. Applied Surface Science, 2021, 562, 150156.	6.1	8
14	Electronic Effect and Regiochemistry of Substitution in Pre-sodiation Chemistry. Journal of Physical Chemistry Letters, 2021, 12, 11968-11979.	4.6	7
15	Optimization of silicene oxidation as lithium-ion battery anode. Materials Today: Proceedings, 2021, 42, 1588-1591.	1.8	6
16	Electrochemical Performance of Nitrogenâ€Doped Graphene/Silicene Composite as a Pseudocapacitive Anode for Lithiumâ€ion Battery. ChemistrySelect, 2022, 7, .	1.5	5
17	Synthesis and electrochemical characterization of F- and Cl-doped Li2FeSiO4 cathode material for lithium-ion battery. Journal of Materials Science: Materials in Electronics, 2022, 33, 2310-2321.	2.2	5
18	An ab initio study of chlorine and fluorine doping on Li2FeSiO4 as cathode materials for Li-ion battery, Journal of the Australian Ceramic Society, 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. Materials Today: Proceedings, 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. Optical Materials, 2021, 119, 111385.	3.6	4
21	Power and energy performance of porous silicon carbide anode in lithium-metal battery. Materials Today: Proceedings, 2021, 42, 1534-1537.	1.8	3
22	ECV Doping Profile Measurements in Silicon Using Conventional Potentiostat. Journal of Electronic Materials, 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. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 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 selfâ€propagating highâ€temperature combustion in the presence of NaCl as a metal halide diluent. Micro and Nano Letters, 2018, 13, 207-212	1.3	Ο