Ramin Rojaee

List of Publications by Year
in descending order

24 papers	1,323 citations	516710 16 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	1890 citing authors

#	Article	IF	Citations
1	An efficient gel polymer electrolyte for dendrite-free and long cycle life lithium metal batteries. Energy Storage Materials, 2022, 46, 352-365.	18.0	34
2	Direct Ink Writing of Polymer Composite Electrolytes with Enhanced Thermal Conductivities. Advanced Functional Materials, 2021, 31, 2006683.	14.9	63
3	Enhancing thermal safety in lithium-ion battery packs through parallel cell â€˜current dumpingâ€™ mitigation. Applied Energy, 2021, 286, 116495.	10.1	16
4	Polyethylene-BN nanosheets nanocomposites with enhanced thermal and mechanical properties. Composites Science and Technology, 2021, 204, 108631.	7.8	25
5	Interfacial engineering of <scp>lithiumâ€polymer</scp> batteries with in situ <scp>UV</scp> crossâ€linking. InformaÄ•nÃ-MateriÃ¡ly, 2021, 3, 1016-1027.	17.3	10
6	Critical Barriers to Successful Implementation of Earth-Abundant, Mn-Rich Cathodes for Vehicle Applications and Beyond: A Detailed Study of Low SOC Impedance. Journal of the Electrochemical Society, 2021, 168, 080506.	2.9	9
7	TEM Studies on Antibacterial Mechanisms of Black Phosphorous Nanosheets . International Journal of Nanomedicine, 2020, Volume 15, 3071-3085.	6.7	28
8	Highlyâ€Cyclable Roomâ€Temperature Phosphorene Polymer Electrolyte Composites for Li Metal Batteries. Advanced Functional Materials, 2020, 30, 1910749.	14.9	78
9	Solution Blowing Synthesis of Li-Conductive Ceramic Nanofibers. ACS Applied Materials & Interfaces, 2020, 12, 16200-16208.	8.0	15
10	Two-Dimensional Materials to Address the Lithium Battery Challenges. ACS Nano, 2020, 14, 2628-2658.	14.6	214
11	Multifunctional Films Deposited by Atomic Layer Deposition for Tailored Interfaces of Electrochemical Systems. Journal of the Electrochemical Society, 2020, 167, 140541.	2.9	11
12	Non-Dendritic Zn Electrodeposition Enabled by Zincophilic Graphene Substrates. ACS Applied Materials & Interfaces, 2019, 11, 44077-44089.	8.0	129
13	In situ TEM Investigation on Rotation and Coalescence Behaviors of Au Nanoparticles on h-BN Substrate. Microscopy and Microanalysis, 2019, 25, 1484-1485.	0.4	0
14	Antiâ€Oxygen Leaking LiCoO₂. Advanced Functional Materials, 2019, 29, 1901110.	14.9	60
15	Synergistic Effect of Graphene Oxide for Impeding the Dendritic Plating of Li. Advanced Functional Materials, 2018, 28, 1705917.	14.9	92
16	Unveiling the Mechanism of Liposome Formation Using the Graphene Liquid Cells. Microscopy and Microanalysis, 2018, 24, 1784-1785.	0.4	0
17	Elevatedâ€Temperature 3D Printing of Hybrid Solidâ€State Electrolyte for Liâ€ion Batteries. Advanced Materials, 2018, 30, e1800615.	21.0	159
18	Effect of different polymers on morphology and particle size of silver nanoparticles synthesized by modified polyol method. Superlattices and Microstructures, 2016, 98, 267-275.	3.1	17

#	Article	IF	Citations
19	Electrophoretic deposition of bioactive glass nanopowders on magnesium based alloy for biomedical applications. Ceramics International, 2014, 40, 7879-7888.	4.8	54
20	Comparing Nanostructured Hydroxyapatite Coating on AZ91 Alloy Samples via Sol-gel and Electrophoretic Deposition for Biomedical Applications. IEEE Transactions on Nanobioscience, 2014, 13, 409-414.	3.3	18
21	Effect of different sol-gel synthesis processes on microstructural and morphological characteristics of hydroxyapatite-bioactive glass composite nanopowders. Journal of Advanced Ceramics, 2014, 3, 207-214.	17.4	21
22	Biodegradation assessment of nanostructured fluoridated hydroxyapatite coatings on biomedical grade magnesium alloy. Ceramics International, 2014, 40, 15149-15158.	4.8	35
23	Controlling the degradation rate of AZ91 magnesium alloy via solâ€“gel derived nanostructured hydroxyapatite coating. Materials Science and Engineering C, 2013, 33, 3817-3825.	7.3	131
24	Electrophoretic deposition of nanostructured hydroxyapatite coating on AZ91 magnesium alloy implants with different surface treatments. Applied Surface Science, 2013, 285, 664-673.	6.1	104