

# Ramin Rojaee

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/376572/publications.pdf>

Version: 2024-02-01

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	Two-Dimensional Materials to Address the Lithium Battery Challenges. ACS Nano, 2020, 14, 2628-2658.	14.6	214
2	Elevated-Temperature 3D Printing of Hybrid Solid-State Electrolyte for Li-Ion Batteries. Advanced Materials, 2018, 30, e1800615.	21.0	159
3	Controlling the degradation rate of AZ91 magnesium alloy via sol-gel derived nanostructured hydroxyapatite coating. Materials Science and Engineering C, 2013, 33, 3817-3825.	7.3	131
4	Non-Dendritic Zn Electrodeposition Enabled by Zincophilic Graphene Substrates. ACS Applied Materials & Interfaces, 2019, 11, 44077-44089.	8.0	129
5	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
6	Synergistic Effect of Graphene Oxide for Impeding the Dendritic Plating of Li. Advanced Functional Materials, 2018, 28, 1705917.	14.9	92
7	Highly-Cyclable Room-Temperature Phosphorene Polymer Electrolyte Composites for Li Metal Batteries. Advanced Functional Materials, 2020, 30, 1910749.	14.9	78
8	Direct Ink Writing of Polymer Composite Electrolytes with Enhanced Thermal Conductivities. Advanced Functional Materials, 2021, 31, 2006683.	14.9	63
9	Anti-Oxygen Leaking LiCoO <sub>2</sub> . Advanced Functional Materials, 2019, 29, 1901110.	14.9	60
10	Electrophoretic deposition of bioactive glass nanopowders on magnesium based alloy for biomedical applications. Ceramics International, 2014, 40, 7879-7888.	4.8	54
11	Biodegradation assessment of nanostructured fluoridated hydroxyapatite coatings on biomedical grade magnesium alloy. Ceramics International, 2014, 40, 15149-15158.	4.8	35
12	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
13	TEM Studies on Antibacterial Mechanisms of Black Phosphorous Nanosheets. International Journal of Nanomedicine, 2020, Volume 15, 3071-3085.	6.7	28
14	Polyethylene-BN nanosheets nanocomposites with enhanced thermal and mechanical properties. Composites Science and Technology, 2021, 204, 108631.	7.8	25
15	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
16	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
17	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
18	Enhancing thermal safety in lithium-ion battery packs through parallel cell current dumping mitigation. Applied Energy, 2021, 286, 116495.	10.1	16

#	ARTICLE	IF	CITATIONS
19	Solution Blowing Synthesis of Li-Conductive Ceramic Nanofibers. ACS Applied Materials & Interfaces, 2020, 12, 16200-16208.	8.0	15
20	Multifunctional Films Deposited by Atomic Layer Deposition for Tailored Interfaces of Electrochemical Systems. Journal of the Electrochemical Society, 2020, 167, 140541.	2.9	11
21	Interfacial engineering of <scp>lithium-epolymer</scp> batteries with in situ <scp>UV</scp> cross-linking. Informa-Ån-Å-Materi-Åjly, 2021, 3, 1016-1027.	17.3	10
22	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
23	Unveiling the Mechanism of Liposome Formation Using the Graphene Liquid Cells. Microscopy and Microanalysis, 2018, 24, 1784-1785.	0.4	0
24	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