

Rui Zhang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25
papers

7,819
citations

20
h-index

29
g-index

29
ext. papers

9,446
ext. citations

15.5
avg, IF

6.63
L-index

#	Paper	IF	Citations
25	Toward Safe Lithium Metal Anode in Rechargeable Batteries: A Review. <i>Chemical Reviews</i> , 2017 , 117, 10403-10473	68.1	2918
24	A Review of Solid Electrolyte Interphases on Lithium Metal Anode. <i>Advanced Science</i> , 2016 , 3, 1500213	13.6	962
23	Lithiophilic Sites in Doped Graphene Guide Uniform Lithium Nucleation for Dendrite-Free Lithium Metal Anodes. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7764-7768	16.4	760
22	Dendrite-Free Lithium Deposition Induced by Uniformly Distributed Lithium Ions for Efficient Lithium Metal Batteries. <i>Advanced Materials</i> , 2016 , 28, 2888-95	24	699
21	Conductive Nanostructured Scaffolds Render Low Local Current Density to Inhibit Lithium Dendrite Growth. <i>Advanced Materials</i> , 2016 , 28, 2155-62	24	498
20	Implantable Solid Electrolyte Interphase in Lithium-Metal Batteries. <i>CheM</i> , 2017 , 2, 258-270	16.2	411
19	Lithiophilicity chemistry of heteroatom-doped carbon to guide uniform lithium nucleation in lithium metal anodes. <i>Science Advances</i> , 2019 , 5, eaau7728	14.3	266
18	Dual-Phase Lithium Metal Anode Containing a Polysulfide-Induced Solid Electrolyte Interphase and Nanostructured Graphene Framework for Lithium-Sulfur Batteries. <i>ACS Nano</i> , 2015 , 9, 6373-82	16.7	261
17	An ion redistributor for dendrite-free lithium metal anodes. <i>Science Advances</i> , 2018 , 4, eaat3446	14.3	231
16	Lithiophilic LiC Layers on Carbon Hosts Enabling Stable Li Metal Anode in Working Batteries. <i>Advanced Materials</i> , 2019 , 31, e1807131	24	177
15	Lithiophilic Sites in Doped Graphene Guide Uniform Lithium Nucleation for Dendrite-Free Lithium Metal Anodes. <i>Angewandte Chemie</i> , 2017 , 129, 7872-7876	3.6	127
14	A Sustainable Solid Electrolyte Interphase for High-Energy-Density Lithium Metal Batteries Under Practical Conditions. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3252-3257	16.4	127
13	N-Doped Graphene Modified 3D Porous Cu Current Collector toward Microscale Homogeneous Li Deposition for Li Metal Anodes. <i>Advanced Energy Materials</i> , 2018 , 8, 1800914	21.8	107
12	Electrochemical Diagram of an Ultrathin Lithium Metal Anode in Pouch Cells. <i>Advanced Materials</i> , 2019 , 31, e1902785	24	78
11	A Sustainable Solid Electrolyte Interphase for High-Energy-Density Lithium Metal Batteries Under Practical Conditions. <i>Angewandte Chemie</i> , 2020 , 132, 3278-3283	3.6	40
10	In-situ organic SEI layer for dendrite-free lithium metal anode. <i>Energy Storage Materials</i> , 2020 , 27, 69-77	19.4	32
9	A Pressure Self-Adaptable Route for Uniform Lithium Plating and Stripping in Composite Anode. <i>Advanced Functional Materials</i> , 2021 , 31, 2004189	15.6	27

8	An Atomic Insight into the Chemical Origin and Variation of the Dielectric Constant in Liquid Electrolytes. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 21473-21478	16.4	26
7	The carrier transition from Li atoms to Li vacancies in solid-state lithium alloy anodes. <i>Science Advances</i> , 2021 , 7, eabi5520	14.3	23
6	Favorable Lithium Nucleation on Lithiophilic Framework Porphyrin for Dendrite-Free Lithium Metal Anodes. <i>Research</i> , 2019 , 2019, 4608940	7.8	22
5	Spatially uniform Li deposition realized by 3D continuous duct-like graphene host for high energy density Li metal anode. <i>Carbon</i> , 2020 , 161, 198-205	10.4	16
4	Innentitelbild: Lithiophilic Sites in Doped Graphene Guide Uniform Lithium Nucleation for Dendrite-Free Lithium Metal Anodes (Angew. Chem. 27/2017). <i>Angewandte Chemie</i> , 2017 , 129, 7790-7790	3.6	2
3	Lithiophilic Property of Artificial Alkoxides and Mercaptide Layers to Guide Uniform Li Nucleation for Stable Lithium Metal Anodes. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 22493-22501	3.8	0
2	An Atomic Insight into the Chemical Origin and Variation of the Dielectric Constant in Liquid Electrolytes. <i>Angewandte Chemie</i> , 2021 , 133, 21643-21648	3.6	0
1	Innenr�ktitelbild: A Sustainable Solid Electrolyte Interphase for High-Energy-Density Lithium Metal Batteries Under Practical Conditions (Angew. Chem. 8/2020). <i>Angewandte Chemie</i> , 2020 , 132, 3363-3363	3.6	3