

Xiaotun Liu

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.

16
papers

1,421
citations

13
h-index

17
g-index

17
ext. papers

2,082
ext. citations

18.6
avg, IF

5.02
L-index

#	Paper	IF	Citations
16	Reversible epitaxial electrodeposition of metals in battery anodes. <i>Science</i> , 2019 , 366, 645-648	33.3	512
15	Solid-state polymer electrolytes with in-built fast interfacial transport for secondary lithium batteries. <i>Nature Energy</i> , 2019 , 4, 365-373	62.3	363
14	Building Organic/Inorganic Hybrid Interphases for Fast Interfacial Transport in Rechargeable Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 992-996	16.4	139
13	Spontaneous and field-induced crystallographic reorientation of metal electrodeposits at battery anodes. <i>Science Advances</i> , 2020 , 6, eabb1122	14.3	64
12	Rechargeable Lithium Metal Batteries with an In-Built Solid-State Polymer Electrolyte and a High Voltage/Loading Ni-Rich Layered Cathode. <i>Advanced Materials</i> , 2020 , 32, e1905629	24	59
11	Physical Orphaning versus Chemical Instability: Is Dendritic Electrodeposition of Li Fatal?. <i>ACS Energy Letters</i> , 2019 , 4, 1349-1355	20.1	51
10	Regulating electrodeposition morphology in high-capacity aluminium and zinc battery anodes using interfacial metal-substrate bonding. <i>Nature Energy</i> , 2021 , 6, 398-406	62.3	51
9	Solid-state polymer electrolytes stabilized by task-specific salt additives. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 7823-7830	13	48
8	Building Organic/Inorganic Hybrid Interphases for Fast Interfacial Transport in Rechargeable Metal Batteries. <i>Angewandte Chemie</i> , 2018 , 130, 1004-1008	3.6	44
7	Designing electrolytes with polymerlike glass-forming properties and fast ion transport at low temperatures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 26053-26060	11.5	26
6	Nonplanar Electrode Architectures for Ultrahigh Areal Capacity Batteries. <i>ACS Energy Letters</i> , 2019 , 4, 271-275	20.1	22
5	Nanofibers from water-extractable melt-blown immiscible polymer blends. <i>Polymer</i> , 2016 , 101, 269-273	3.9	19
4	Electrodeposition of Zinc in Aqueous Electrolytes Containing High Molecular Weight Polymers. <i>Macromolecules</i> , 2020 , 53, 2694-2701	5.5	14
3	Microscopic Origins of Caging and Equilibration of Self-Suspended Hairy Nanoparticles. <i>Macromolecules</i> , 2019 , 52, 8187-8196	5.5	6
2	Structure, Rheology, and Electrokinetics of Soft Colloidal Suspension Electrolytes. <i>Langmuir</i> , 2020 , 36, 9047-9053	4	3
1	Titelbild: Building Organic/Inorganic Hybrid Interphases for Fast Interfacial Transport in Rechargeable Metal Batteries (Angew. Chem. 4/2018). <i>Angewandte Chemie</i> , 2018 , 130, 863-863	3.6	