

Xiaotun Liu

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

2,795
citations

686830

13
h-index

996533

15
g-index

17
all docs

17
docs citations

17
times ranked

2899
citing authors

#	ARTICLE	IF	CITATIONS
1	Reversible epitaxial electrodeposition of metals in battery anodes. <i>Science</i> , 2019, 366, 645-648.	6.0	1,097
2	Solid-state polymer electrolytes with in-built fast interfacial transport for secondary lithium batteries. <i>Nature Energy</i> , 2019, 4, 365-373.	19.8	681
3	Building Organic/Inorganic Hybrid Interphases for Fast Interfacial Transport in Rechargeable Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 992-996.	7.2	178
4	Regulating electrodeposition morphology in high-capacity aluminium and zinc battery anodes using interfacial metal-substrate bonding. <i>Nature Energy</i> , 2021, 6, 398-406.	19.8	169
5	Spontaneous and field-induced crystallographic reorientation of metal electrodeposits at battery anodes. <i>Science Advances</i> , 2020, 6, eabb1122.	4.7	143
6	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.	11.1	140
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.	3.3	82
8	Physical Orphaning versus Chemical Instability: Is Dendritic Electrodeposition of Li Fatal?. <i>ACS Energy Letters</i> , 2019, 4, 1349-1355.	8.8	80
9	Solid-state polymer electrolytes stabilized by task-specific salt additives. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7823-7830.	5.2	70
10	Building Organic/Inorganic Hybrid Interphases for Fast Interfacial Transport in Rechargeable Metal Batteries. <i>Angewandte Chemie</i> , 2018, 130, 1004-1008.	1.6	55
11	Nonplanar Electrode Architectures for Ultrahigh Areal Capacity Batteries. <i>ACS Energy Letters</i> , 2019, 4, 271-275.	8.8	32
12	Nanofibers from water-extractable melt-blown immiscible polymer blends. <i>Polymer</i> , 2016, 101, 269-273.	1.8	26
13	Electrodeposition of Zinc in Aqueous Electrolytes Containing High Molecular Weight Polymers. <i>Macromolecules</i> , 2020, 53, 2694-2701.	2.2	23
14	Microscopic Origins of Caging and Equilibration of Self-Suspended Hairy Nanoparticles. <i>Macromolecules</i> , 2019, 52, 8187-8196.	2.2	15
15	Structure, Rheology, and Electrokinetics of Soft Colloidal Suspension Electrolytes. <i>Langmuir</i> , 2020, 36, 9047-9053.	1.6	4
16	Titelbild: Building Organic/Inorganic Hybrid Interphases for Fast Interfacial Transport in Rechargeable Metal Batteries (<i>Angew. Chem.</i> 4/2018). <i>Angewandte Chemie</i> , 2018, 130, 863-863.	1.6	0