

Rui Guo

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

820
citations

1040056

9
h-index

1281871

11
g-index

12
all docs

12
docs citations

12
times ranked

849
citing authors

#	ARTICLE	IF	CITATIONS
1	Moving beyond 99.9% Coulombic efficiency for lithium anodes in liquid electrolytes. <i>Nature Energy</i> , 2021, 6, 951-960.	39.5	237
2	The intrinsic behavior of lithium fluoride in solid electrolyte interphases on lithium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 73-79.	7.1	220
3	Mechanism of the entire overdischarge process and overdischarge-induced internal short circuit in lithium-ion batteries. <i>Scientific Reports</i> , 2016, 6, 30248.	3.3	153
4	Li ₂ O Solid Electrolyte Interphase: Probing Transport Properties at the Chemical Potential of Lithium. <i>Chemistry of Materials</i> , 2020, 32, 5525-5533.	6.7	101
5	Design of a multi-functional gel polymer electrolyte with a 3D compact stacked polymer micro-sphere matrix for high-performance lithium metal batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 12563-12574.	10.3	31
6	Reactivity and Evolution of Ionic Phases in the Lithium Solid-Electrolyte Interphase. <i>ACS Energy Letters</i> , 2021, 6, 877-885.	17.4	22
7	Can an Inorganic Coating Serve as Stable SEI for Aqueous Superconcentrated Electrolytes?. <i>ACS Energy Letters</i> , 2021, 6, 2575-2583.	17.4	20
8	Controlling Fluoride-Forming Reactions for Improved Rate Capability in Lithium-Perfluorinated Gas Conversion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1900393.	19.5	17
9	Electrochemical Conversion of Nitrogen Trifluoride as a Gas-to-Solid Cathode in Li Batteries. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4700-4706.	4.6	11
10	The ionic interphases of the lithium anode in solid state batteries. <i>Current Opinion in Solid State and Materials Science</i> , 2022, 26, 100973.	11.5	7
11	Electrochemical Fluoridation of Manganese Oxide by Perfluorinated-Gas Conversion for Lithium-Ion Cathodes. <i>Batteries and Supercaps</i> , 2021, 4, 1771-1780.	4.7	1
12	Reactivity and Evolution of Ionic Solid-Electrolyte-Interphases in Battery Electrolytes. <i>ECS Meeting Abstracts</i> , 2021, MA2021-01, 149-149.	0.0	0