Rui Guo

List of Publications by Year
in descending order

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	The ionic interphases of the lithium anode in solid state batteries. Current Opinion in Solid State and Materials Science, 2022, 26, 100973.	11.5	7
2	Design of a multi-functional gel polymer electrolyte with a 3D compact stacked polymer micro-sphere matrix for high-performance lithium metal batteries. Journal of Materials Chemistry A, 2022, 10, 12563-12574.	10.3	31
3	Reactivity and Evolution of Ionic Phases in the Lithium Solidâ€“Electrolyte Interphase. ACS Energy Letters, 2021, 6, 877-885.	17.4	22
4	Reactivity and Evolution of Ionic Solid-Electrolyte-Interphases in Battery Electrolytes. ECS Meeting Abstracts, 2021, MA2021-01, 149-149.	0.0	0
5	Can an Inorganic Coating Serve as Stable SEI for Aqueous Superconcentrated Electrolytes?. ACS Energy Letters, 2021, 6, 2575-2583.	17.4	20
6	Electrochemical Fluoridation of Manganese Oxide by Perfluorinatedâ€Gas Conversion for Lithiumâ€Ion Cathodes. Batteries and Supercaps, 2021, 4, 1771-1780.	4.7	1
7	Moving beyond 99.9% Coulombic efficiency for lithium anodes in liquid electrolytes. Nature Energy, 2021, 6, 951-960.	39.5	237
8	The intrinsic behavior of lithium fluoride in solid electrolyte interphases on lithium. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 73-79.	7.1	220
9	Li₂O Solid Electrolyte Interphase: Probing Transport Properties at the Chemical Potential of Lithium. Chemistry of Materials, 2020, 32, 5525-5533.	6.7	101
10	Controlling Fluorideâ€Forming Reactions for Improved Rate Capability in Lithiumâ€Perfluorinated Gas Conversion Batteries. Advanced Energy Materials, 2019, 9, 1900393.	19.5	17
11	Electrochemical Conversion of Nitrogen Trifluoride as a Gas-to-Solid Cathode in Li Batteries. Journal of Physical Chemistry Letters, 2018, 9, 4700-4706.	4.6	11
12	Mechanism of the entire overdischarge process and overdischarge-induced internal short circuit in lithium-ion batteries. Scientific Reports, 2016, 6, 30248.	3.3	153