Bizhu Zheng

List of Publications by Year
in descending order

16 papers	1,464 citations	623734 14 h-index	940533 16 g-index
16 all docs	16 docs citations	16 times ranked	1792 citing authors

#	Article	IF	Citations
1	Insights into the local structure, microstructure and ionic conductivity of silicon doped NASICON-type solid electrolyte Li1.3Al0.3Ti1.7P3O12. Energy Storage Materials, 2022, 44, 190-196.	18.0	30
2	Mitigating the Surface Reconstruction of Ni-Rich Cathode via P2-Type Mn-Rich Oxide Coating for Durable Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2022, 14, 30398-30409.	8.0	7
3	Electrochemoâ€Mechanical Effects on Structural Integrity of Niâ€Rich Cathodes with Different Microstructures in All Solidâ€State Batteries. Advanced Energy Materials, 2021, 11, 2003583.	19.5	112
4	Constructing a High-Energy and Durable Single-Crystal NCM811 Cathode for All-Solid-State Batteries by a Surface Engineering Strategy. ACS Applied Materials & Interfaces, 2021, 13, 41669-41679.	8.0	35
5	Unraveling (electro)-chemical stability and interfacial reactions of Li10SnP2S12 in all-solid-state Li batteries. Nano Energy, 2020, 67, 104252.	16.0	59
6	Highly-stable P2â€“Na0.67MnO2 electrode enabled by lattice tailoring and surface engineering. Energy Storage Materials, 2020, 26, 503-512.	18.0	101
7	Chemomechanical Failure Mechanism Study in NASICON-Type Li_{1.3}Al_{0.3}Ti_{1.7}(PO₄)₃ Solid-State Lithium Batteries. Chemistry of Materials, 2020, 32, 4998-5008.	6.7	104
8	Al and Fe-containing Mn-based layered cathode with controlled vacancies for high-rate sodium ion batteries. Nano Energy, 2020, 76, 104997.	16.0	54
9	High-Efficiency Lithium Metal Anode Enabled by a Concentrated/Fluorinated Ester Electrolyte. ACS Applied Materials & Interfaces, 2020, 12, 27794-27802.	8.0	31
10	P2â€Na_{0.67}Al_xMn_{1â^’x}O₂: Costâ€Effective, Stable and Highâ€Rate Sodium Electrodes by Suppressing Phase Transitions and Enhancing Sodium Cation Mobility. Angewandte Chemie - International Edition, 2019, 58, 18086-18095.	13.8	127
11	P2â€Na 0.67 Al x Mn 1â^’ x O 2 : Costâ€Effective, Stable and Highâ€Rate Sodium Electrodes by Suppressing Phase Transitions and Enhancing Sodium Cation Mobility. Angewandte Chemie, 2019, 131, 18254-18263.	2.0	9
12	Stable Cycling Lithiumâ€“Sulfur Solid Batteries with Enhanced Li/Li₁₀GeP₂S₁₂ Solid Electrolyte Interface Stability. ACS Applied Materials & Interfaces, 2019, 11, 18436-18447.	8.0	82
13	Recent Progress in All-Solid-State Lithiumâ^’Sulfur Batteries Using High Li-Ion Conductive Solid Electrolytes. Electrochemical Energy Reviews, 2019, 2, 199-230.	25.5	179
14	Identification of the Solid Electrolyte Interface on the Si/C Composite Anode with FEC as the Additive. ACS Applied Materials & Interfaces, 2019, 11, 14066-14075.	8.0	110
15	Drawing a Soft Interface: An Effective Interfacial Modification Strategy for Garnet-Type Solid-State Li Batteries. ACS Energy Letters, 2018, 3, 1212-1218.	17.4	321
16	Stabilizing Li₁₀SnP₂S₁₂/Li Interface via an in Situ Formed Solid Electrolyte Interphase Layer. ACS Applied Materials & Interfaces, 2018, 10, 25473-25482.	8.0	103