

Bizhu Zheng

List of Publications by Year in descending order

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16
papers

1,464
citations

623734

14
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940533

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16
docs citations

16
times ranked

1792
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Recent Progress in All-Solid-State Lithium-Sulfur Batteries Using High Li-Ion Conductive Solid Electrolytes. Electrochemical Energy Reviews, 2019, 2, 199-230.	25.5	179
3	$P2\text{-Na}_{0.67}\text{Al}_x\text{Mn}_{1-x}\text{O}_2$: Cost-Effective, Stable and High-Rate Sodium Electrodes by Suppressing Phase Transitions and Enhancing Sodium Cation Mobility. Angewandte Chemie - International Edition, 2019, 58, 18086-18095.	13.8	127
4	Electrochemo-Mechanical Effects on Structural Integrity of Ni-Rich Cathodes with Different Microstructures in All-Solid-State Batteries. Advanced Energy Materials, 2021, 11, 2003583.	19.5	112
5	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
6	Chemomechanical Failure Mechanism Study in NASICON-Type $\text{Li}_{1.3}\text{Al}_{0.3}\text{Ti}_{1.7}(\text{PO}_4)_3$ Solid-State Lithium Batteries. Chemistry of Materials, 2020, 32, 4998-5008.	6.7	104
7	Stabilizing $\text{Li}_{10}\text{SnP}_2\text{S}_{12}/\text{Li}$ Interface via an in Situ Formed Solid Electrolyte Interphase Layer. ACS Applied Materials & Interfaces, 2018, 10, 25473-25482.	8.0	103
8	Highly-stable $P2\text{-Na}_{0.67}\text{MnO}_2$ electrode enabled by lattice tailoring and surface engineering. Energy Storage Materials, 2020, 26, 503-512.	18.0	101
9	Stable Cycling Lithium-Sulfur Solid Batteries with Enhanced $\text{Li}_{10}\text{GeP}_2\text{S}_{12}$ Solid Electrolyte Interface Stability. ACS Applied Materials & Interfaces, 2019, 11, 18436-18447.	8.0	82
10	Unraveling (electro)-chemical stability and interfacial reactions of $\text{Li}_{10}\text{SnP}_2\text{S}_{12}$ in all-solid-state Li batteries. Nano Energy, 2020, 67, 104252.	16.0	59
11	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
12	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
13	High-Efficiency Lithium Metal Anode Enabled by a Concentrated/Fluorinated Ester Electrolyte. ACS Applied Materials & Interfaces, 2020, 12, 27794-27802.	8.0	31
14	Insights into the local structure, microstructure and ionic conductivity of silicon doped NASICON-type solid electrolyte $\text{Li}_{1.3}\text{Al}_{0.3}\text{Ti}_{1.7}\text{P}_3\text{O}_{12}$. Energy Storage Materials, 2022, 44, 190-196.	18.0	30
15	$P2\text{-Na}_{0.67}\text{Al}_x\text{Mn}_{1-x}\text{O}_2$: Cost-Effective, Stable and High-Rate Sodium Electrodes by Suppressing Phase Transitions and Enhancing Sodium Cation Mobility. Angewandte Chemie, 2019, 131, 18254-18263.	2.0	9
16	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