

Jingfeng Zheng

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

495
citations

840776

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1125743

13
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13
all docs

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docs citations

13
times ranked

569
citing authors

#	ARTICLE	IF	CITATIONS
1	Localized High-Concentration Electrolytes Boost Potassium Storage in High-Loading Graphite. <i>Advanced Energy Materials</i> , 2019, 9, 1902618.	19.5	153
2	Anchoring an Artificial Protective Layer To Stabilize Potassium Metal Anode in Rechargeable $\text{K}^{\ominus}\text{O}_{2}$ Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16571-16577.	8.0	57
3	Superoxide-Based $\text{K}^{\ominus}\text{O}_{2}$ Batteries: Highly Reversible Oxygen Redox Solves Challenges in Air Electrodes. <i>Journal of the American Chemical Society</i> , 2020, 142, 11629-11640.	13.7	49
4	Antiperovskite Superionic Conductors: A Critical Review. <i>ACS Materials Au</i> , 2021, 1, 92-106.	6.0	41
5	Ambient Pressure X-ray Photoelectron Spectroscopy Investigation of Thermally Stable Halide Perovskite Solar Cells via Post-Treatment. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43705-43713.	8.0	34
6	Antiperovskite K_{3}OI for K-Ion Solid State Electrolyte. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7120-7126.	4.6	33
7	Building a Reactive Armor Using S-Doped Graphene for Protecting Potassium Metal Anodes from Oxygen Crossover in $\text{K}^{\ominus}\text{O}_{2}$ Batteries. <i>ACS Energy Letters</i> , 2020, 5, 1788-1793.	17.4	32
8	Pursuing graphite-based K-ion O_{2} batteries: a lesson from Li-ion batteries. <i>Energy and Environmental Science</i> , 2020, 13, 3656-3662.	30.8	31
9	$\text{K}_{3}\text{SbS}_{4}$ as a Potassium Superionic Conductor with Low Activation Energy for $\text{K}^{\ominus}\text{S}$ Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	19
10	Designing Potassium Battery Salts through a Solvent-in-Anion Concept for Concentrated Electrolytes and Mimicking Solvation Structures. <i>Chemistry of Materials</i> , 2020, 32, 10423-10434.	6.7	16
11	Single Potassium-Ion Conducting Polymer Electrolytes: Preparation, Ionic Conductivities, and Electrochemical Stability. <i>ACS Applied Energy Materials</i> , 2021, 4, 4156-4164.	5.1	14
12	$\text{KB}_{3}\text{H}_{8}\hat{\text{A}}\text{NH}_{3}\text{B}_{3}\text{H}_{7}$ Complex as a Potential Solid-State Electrolyte with Excellent Stability against K Metal. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 17378-17387.	8.0	12
13	$\text{K}_{3}\text{SbS}_{4}$ as a Potassium Superionic Conductor with Low Activation Energy for $\text{K}^{\ominus}\text{S}$ Batteries. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	4