

# Jingfeng Zheng

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

495  
citations

840776

11  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

569  
citing authors

#	ARTICLE	IF	CITATIONS
1	K <sub>3</sub> SbS <sub>4</sub> as a Potassium Superionic Conductor with Low Activation Energy for K <sup>+</sup> S Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	19
2	K <sub>3</sub> SbS <sub>4</sub> as a Potassium Superionic Conductor with Low Activation Energy for K <sup>+</sup> S Batteries. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	4
3	KB <sub>3</sub> H <sub>8</sub> ·NH <sub>3</sub> B <sub>3</sub> H <sub>7</sub> Complex as a Potential Solid-State Electrolyte with Excellent Stability against K Metal. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 17378-17387.	8.0	12
4	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
5	Antiperovskite K <sub>3</sub> OI for K-Ion Solid State Electrolyte. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7120-7126.	4.6	33
6	Antiperovskite Superionic Conductors: A Critical Review. <i>ACS Materials Au</i> , 2021, 1, 92-106.	6.0	41
7	Ambient Pressure X-ray Photoelectron Spectroscopy Investigation of Thermally Stable Halide Perovskite Solar Cells via Post-Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 43705-43713.	8.0	34
8	Pursuing graphite-based K-ion O <sub>2</sub> batteries: a lesson from Li-ion batteries. <i>Energy and Environmental Science</i> , 2020, 13, 3656-3662.	30.8	31
9	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
10	Building a Reactive Armor Using S-Doped Graphene for Protecting Potassium Metal Anodes from Oxygen Crossover in K <sup>+</sup> O <sub>2</sub> Batteries. <i>ACS Energy Letters</i> , 2020, 5, 1788-1793.	17.4	32
11	Superoxide-Based K <sup>+</sup> O <sub>2</sub> 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
12	Localized High-Concentration Electrolytes Boost Potassium Storage in High-Loading Graphite. <i>Advanced Energy Materials</i> , 2019, 9, 1902618.	19.5	153
13	Anchoring an Artificial Protective Layer To Stabilize Potassium Metal Anode in Rechargeable K <sup>+</sup> O <sub>2</sub> Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 16571-16577.	8.0	57