

Shuai Li

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39
papers

2,147
citations

17
h-index

40
g-index

40
ext. papers

2,644
ext. citations

9.5
avg, IF

4.79
L-index

#	Paper	IF	Citations
39	Antiperovskite Electrolytes for Solid-State Batteries.. <i>Chemical Reviews</i> , 2022 ,	68.1	18
38	Wet Mechanical Milling Induced Phase Transition to Cubic Anti-Perovskite Li ₂ OHCl. <i>Chinese Physics Letters</i> , 2022 , 39, 028201	1.8	0
37	Superconducting multipole wiggler with large magnetic gap for HEPS-TF. <i>Nuclear Science and Techniques/Hewuli</i> , 2022 , 33, 1	2.1	1
36	Li-Rich Antiperovskite/Nitrile Butadiene Rubber Composite Electrolyte for Sheet-Type Solid-State Lithium Metal Battery. <i>Frontiers in Chemistry</i> , 2021 , 9, 744417	5	2
35	Functionalized gel polymer electrolyte membrane for high performance Li metal batteries. <i>Solid State Ionics</i> , 2021 , 361, 115572	3.3	2
34	Mechanochemical synthesis of Li ₂ OHI with enhanced lithium ionic conductivity. <i>Functional Materials Letters</i> , 2021 , 14, 2150012	1.2	
33	Lithium-Rich Anti-perovskite LiOHBr-Based Polymer Electrolytes Enabling an Improved Interfacial Stability with a Three-Dimensional-Structured Lithium Metal Anode in All-Solid-State Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 28108-28117	9.5	4
32	Aligned Arrays of Na ₂ Ti ₃ O ₇ Nanobelts and Nanowires on Carbon Nanofiber as High-Rate and Long-Cycling Anodes for Sodium-Ion Hybrid Capacitors. <i>Small Structures</i> , 2021 , 2, 2000073	8.7	18
31	A rotating coil measurement system based on CMM for high-gradient small-aperture quadrupole in HEPS-TF. <i>Radiation Detection Technology and Methods</i> , 2021 , 5, 8-14	0.7	3
30	Pressure-Driven Sequential Lattice Collapse and Magnetic Collapse in Transition-Metal-Intercalated Compounds FeNbS. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 6348-6353	6.4	
29	Composite Hybrid Quasi-Solid Electrolyte for High-Energy Lithium Metal Batteries. <i>ACS Applied Energy Materials</i> , 2021 , 4, 7973-7982	6.1	9
28	Antiperovskite Ionic Conductor Layer for Stabilizing the Interface of NASICON Solid Electrolyte Against Li Metal in All-Solid-State Batteries**. <i>Batteries and Supercaps</i> , 2021 , 4, 1491-1498	5.6	4
27	Stabilization of NASICON-Type Electrolyte against Li Anode via an Ionic Conductive MOF-Incorporated Adhesive Interlayer. <i>ACS Energy Letters</i> , 2021 , 6, 3141-3150	20.1	8
26	Interfacial Engineering at Cathode/LATP Interface for High-Performance Solid-State Batteries. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 100528	3.9	6
25	Europium-Doped Ceria Nanowires as Anode for Solid Oxide Fuel Cells. <i>Frontiers in Chemistry</i> , 2020 , 8, 348	5	7
24	Self-Regulated Phenomenon of Inorganic Artificial Solid Electrolyte Interphase for Lithium Metal Batteries. <i>Nano Letters</i> , 2020 , 20, 4029-4037	11.5	47
23	Antiperovskites with Exceptional Functionalities. <i>Advanced Materials</i> , 2020 , 32, e1905007	24	40

22	Mechanism of enhanced ionic conductivity by rotational nitrite group in antiperovskite Na ₃ ONNO ₂ . <i>Journal of Materials Chemistry A</i> , 2020 , 8, 21265-21272	13	11
21	Local Structural Changes and Inductive Effects on Ion Conduction in Antiperovskite Solid Electrolytes. <i>Chemistry of Materials</i> , 2020 , 32, 8827-8835	9.6	8
20	Ultrathin, Compacted Gel Polymer Electrolytes Enable High-Energy and Stable-Cycling 4 V Lithium-Metal Batteries. <i>ChemElectroChem</i> , 2020 , 7, 3656-3662	4.3	4
19	Exploiting Pulping Waste as an Ecofriendly Multifunctional Binder for Lithium Sulfur Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 8413-8418	8.3	13
18	Nanobundles of Iron Phosphide Fabricated by Direct Phosphorization of Metal-Organic Frameworks as an Efficient Hydrogen-Evolving Electrocatalyst. <i>Chemistry - A European Journal</i> , 2019 , 26, 4001	4.8	7
17	Structural Distortion-Induced Charge Gradient Distribution of Co Ions in Delithiated LiCoO Cathode. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 7537-7546	6.4	20
16	Ca-doped Na ₂ Zn ₂ TeO ₆ layered sodium conductor for all-solid-state sodium-ion batteries. <i>Electrochimica Acta</i> , 2019 , 298, 121-126	6.7	25
15	Ultrafast Sodium/Potassium-Ion Intercalation into Hierarchically Porous Thin Carbon Shells. <i>Advanced Materials</i> , 2019 , 31, e1805430	24	148
14	Development of Prototype High Gradient Small Aperture Quadrupole Magnets for HEPS-TF. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	2
13	Magnetic Field Measurement and Analysis of the CSNS/RCS Quadrupole Magnets. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-4	1.8	1
12	Novel Lignin-Derived Water-Soluble Binder for Micro Silicon Anode in Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 12621-12629	8.3	47
11	Design and performance of Hall probe measurement system in CSNS. <i>Radiation Detection Technology and Methods</i> , 2017 , 1, 1	0.7	1
10	Fluorine-Doped Antiperovskite Electrolyte for All-Solid-State Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2016 , 128, 10119-10122	3.6	22
9	Fluorine-Doped Antiperovskite Electrolyte for All-Solid-State Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 9965-8	16.4	155
8	Sodium Ion Transport Mechanisms in Antiperovskite Electrolytes Na ₃ OBr and Na ₄ OI ₂ : An in Situ Neutron Diffraction Study. <i>Inorganic Chemistry</i> , 2016 , 55, 5993-8	5.1	48
7	Antiperovskite LiOCl Superionic Conductor Films for Solid-State Li-Ion Batteries. <i>Advanced Science</i> , 2016 , 3, 1500359	13.6	120
6	Experimental realization of two-dimensional boron sheets. <i>Nature Chemistry</i> , 2016 , 8, 563-8	17.6	996
5	Reaction mechanism studies towards effective fabrication of lithium-rich anti-perovskites Li ₃ OX (X= Cl, Br). <i>Solid State Ionics</i> , 2016 , 284, 14-19	3.3	58

4	Structural manipulation approaches towards enhanced sodium ionic conductivity in Na-rich antiperovskites. <i>Journal of Power Sources</i> , 2015 , 293, 735-740	8.9	69
3	Perovskite Sr _{0.95} Ce _{0.05} CoO ₃ loaded with copper nanoparticles as a bifunctional catalyst for lithium-air batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 18902		127
2	Synthesis of doped ceria with mesoporous flowerlike morphology and its catalytic performance for CO oxidation. <i>Microporous and Mesoporous Materials</i> , 2009 , 120, 426-431	5.3	88
1	Anti-perovskite materials for energy storage batteries. <i>Information Materials</i> ,	23.1	7