

# Shuai Li

## List of Publications by Citations

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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	Experimental realization of two-dimensional boron sheets. <i>Nature Chemistry</i> , <b>2016</b> , 8, 563-8	17.6	996
38	Fluorine-Doped Antiperovskite Electrolyte for All-Solid-State Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 9965-8	16.4	155
37	Ultrafast Sodium/Potassium-Ion Intercalation into Hierarchically Porous Thin Carbon Shells. <i>Advanced Materials</i> , <b>2019</b> , 31, e1805430	24	148
36	Perovskite Sr <sub>0.95</sub> Ce <sub>0.05</sub> CoO <sub>3</sub> loaded with copper nanoparticles as a bifunctional catalyst for lithium-air batteries. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 18902		127
35	Antiperovskite LiOCl Superionic Conductor Films for Solid-State Li-Ion Batteries. <i>Advanced Science</i> , <b>2016</b> , 3, 1500359	13.6	120
34	Synthesis of doped ceria with mesoporous flowerlike morphology and its catalytic performance for CO oxidation. <i>Microporous and Mesoporous Materials</i> , <b>2009</b> , 120, 426-431	5.3	88
33	Structural manipulation approaches towards enhanced sodium ionic conductivity in Na-rich antiperovskites. <i>Journal of Power Sources</i> , <b>2015</b> , 293, 735-740	8.9	69
32	Reaction mechanism studies towards effective fabrication of lithium-rich anti-perovskites Li <sub>3</sub> OX (X= Cl, Br). <i>Solid State Ionics</i> , <b>2016</b> , 284, 14-19	3.3	58
31	Sodium Ion Transport Mechanisms in Antiperovskite Electrolytes Na <sub>3</sub> OBr and Na <sub>4</sub> OI <sub>2</sub> : An in Situ Neutron Diffraction Study. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 5993-8	5.1	48
30	Self-Regulated Phenomenon of Inorganic Artificial Solid Electrolyte Interphase for Lithium Metal Batteries. <i>Nano Letters</i> , <b>2020</b> , 20, 4029-4037	11.5	47
29	Novel Lignin-Derived Water-Soluble Binder for Micro Silicon Anode in Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 12621-12629	8.3	47
28	Antiperovskites with Exceptional Functionalities. <i>Advanced Materials</i> , <b>2020</b> , 32, e1905007	24	40
27	Ca-doped Na <sub>2</sub> Zn <sub>2</sub> TeO <sub>6</sub> layered sodium conductor for all-solid-state sodium-ion batteries. <i>Electrochimica Acta</i> , <b>2019</b> , 298, 121-126	6.7	25
26	Fluorine-Doped Antiperovskite Electrolyte for All-Solid-State Lithium-Ion Batteries. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 10119-10122	3.6	22
25	Structural Distortion-Induced Charge Gradient Distribution of Co Ions in Delithiated LiCoO Cathode. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 7537-7546	6.4	20
24	Antiperovskite Electrolytes for Solid-State Batteries.. <i>Chemical Reviews</i> , <b>2022</b> ,	68.1	18
23	Aligned Arrays of Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> Nanobelts and Nanowires on Carbon Nanofiber as High-Rate and Long-Cycling Anodes for Sodium-Ion Hybrid Capacitors. <i>Small Structures</i> , <b>2021</b> , 2, 2000073	8.7	18

22	Exploiting Pulping Waste as an Ecofriendly Multifunctional Binder for Lithium Sulfur Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 8413-8418	8.3	13
21	Mechanism of enhanced ionic conductivity by rotational nitrite group in antiperovskite Na <sub>3</sub> ONO <sub>2</sub> . <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 21265-21272	13	11
20	Composite Hybrid Quasi-Solid Electrolyte for High-Energy Lithium Metal Batteries. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 7973-7982	6.1	9
19	Local Structural Changes and Inductive Effects on Ion Conduction in Antiperovskite Solid Electrolytes. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 8827-8835	9.6	8
18	Stabilization of NASICON-Type Electrolyte against Li Anode via an Ionic Conductive MOF-Incorporated Adhesive Interlayer. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 3141-3150	20.1	8
17	Europium-Doped Ceria Nanowires as Anode for Solid Oxide Fuel Cells. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 348	5	7
16	Nanobundles of Iron Phosphide Fabricated by Direct Phosphorization of Metal-Organic Frameworks as an Efficient Hydrogen-Evolving Electrocatalyst. <i>Chemistry - A European Journal</i> , <b>2019</b> , 26, 4001	4.8	7
15	Anti-perovskite materials for energy storage batteries. <i>Informa Materials</i> ,	23.1	7
14	Interfacial Engineering at Cathode/LATP Interface for High-Performance Solid-State Batteries. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 100528	3.9	6
13	Ultrathin, Compacted Gel Polymer Electrolytes Enable High-Energy and Stable-Cycling 4 V Lithium-Metal Batteries. <i>ChemElectroChem</i> , <b>2020</b> , 7, 3656-3662	4.3	4
12	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 &amp; Interfaces</i> , <b>2021</b> , 13, 28108-28117	9.5	4
11	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> , <b>2021</b> , 4, 1491-1498	5.6	4
10	A rotating coil measurement system based on CMM for high-gradient small-aperture quadrupole in HEPS-TF. <i>Radiation Detection Technology and Methods</i> , <b>2021</b> , 5, 8-14	0.7	3
9	Development of Prototype High Gradient Small Aperture Quadrupole Magnets for HEPS-TF. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2018</b> , 28, 1-5	1.8	2
8	Li-Rich Antiperovskite/Nitrile Butadiene Rubber Composite Electrolyte for Sheet-Type Solid-State Lithium Metal Battery. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 744417	5	2
7	Functionalized gel polymer electrolyte membrane for high performance Li metal batteries. <i>Solid State Ionics</i> , <b>2021</b> , 361, 115572	3.3	2
6	Design and performance of Hall probe measurement system in CSNS. <i>Radiation Detection Technology and Methods</i> , <b>2017</b> , 1, 1	0.7	1
5	Magnetic Field Measurement and Analysis of the CSNS/RCS Quadrupole Magnets. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2018</b> , 28, 1-4	1.8	1

4	Superconducting multipole wiggler with large magnetic gap for HEPS-TF. <i>Nuclear Science and Techniques/Hewuli</i> , <b>2022</b> , 33, 1	2.1	1
3	Wet Mechanical Milling Induced Phase Transition to Cubic Anti-Perovskite Li <sub>2</sub> OHCl. <i>Chinese Physics Letters</i> , <b>2022</b> , 39, 028201	1.8	0
2	Mechanochemical synthesis of Li <sub>2</sub> OHI with enhanced lithium ionic conductivity. <i>Functional Materials Letters</i> , <b>2021</b> , 14, 2150012	1.2	
1	Pressure-Driven Sequential Lattice Collapse and Magnetic Collapse in Transition-Metal-Intercalated Compounds FeNbS. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 6348-6353	6.4	