

Shuai Li

List of Publications by Year in descending order

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39
papers

3,201
citations

304368

22
h-index

301761

39
g-index

40
all docs

40
docs citations

40
times ranked

4630
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental realization of two-dimensional boron sheets. <i>Nature Chemistry</i> , 2016, 8, 563-568.	6.6	1,398
2	Ultrafast Sodium/Potassium Ion Intercalation into Hierarchically Porous Thin Carbon Shells. <i>Advanced Materials</i> , 2019, 31, e1805430.	11.1	214
3	Fluorine-Doped Antiperovskite Electrolyte for All-Solid-State Lithium Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9965-9968.	7.2	192
4	Antiperovskite Li_3OCl Superionic Conductor Films for Solid-State Li Ion Batteries. <i>Advanced Science</i> , 2016, 3, 1500359.	5.6	162
5	Perovskite $\text{Sr}_{0.95}\text{Ce}_{0.05}\text{CoO}_3$ loaded with copper nanoparticles as a bifunctional catalyst for lithium-air batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 18902.	6.7	131
6	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.	2.2	98
7	Structural manipulation approaches towards enhanced sodium ionic conductivity in Na-rich antiperovskites. <i>Journal of Power Sources</i> , 2015, 293, 735-740.	4.0	97
8	Antiperovskite Electrolytes for Solid-State Batteries. <i>Chemical Reviews</i> , 2022, 122, 3763-3819.	23.0	96
9	Antiperovskites with Exceptional Functionalities. <i>Advanced Materials</i> , 2020, 32, e1905007.	11.1	93
10	Reaction mechanism studies towards effective fabrication of lithium-rich anti-perovskites Li_3OX (X=) <i>Journal of Power Sources</i> , 2021, 311, 2453-2463.	1.3	89
11	Self-Regulated Phenomenon of Inorganic Artificial Solid Electrolyte Interphase for Lithium Metal Batteries. <i>Nano Letters</i> , 2020, 20, 4029-4037.	4.5	78
12	Sodium Ion Transport Mechanisms in Antiperovskite Electrolytes Na_3OBr and Na_4OI_2 : An <i>in Situ</i> Neutron Diffraction Study. <i>Inorganic Chemistry</i> , 2016, 55, 5993-5998.	1.9	68
13	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.	3.2	68
14	Ca-doped $\text{Na}_2\text{Zn}_2\text{TeO}_6$ layered sodium conductor for all-solid-state sodium-ion batteries. <i>Electrochimica Acta</i> , 2019, 298, 121-126.	2.6	40
15	Structural Distortion-Induced Charge Gradient Distribution of Co Ions in Delithiated LiCoO_2 Cathode. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 7537-7546.	2.1	39
16	Aligned Arrays of $\text{Na}_2\text{Ti}_3\text{O}_7$ 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.	6.9	32
17	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.	8.8	32
18	Anti-perovskite materials for energy storage batteries. <i>Informa Mater</i> , 2022, 4, .	8.5	32

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19	Composite Hybrid Quasi-Solid Electrolyte for High-Energy Lithium Metal Batteries. ACS Applied Energy Materials, 2021, 4, 7973-7982.	2.5	30
20	Fluorine-Doped Antiperovskite Electrolyte for All-Solid-State Lithium-Ion Batteries. Angewandte Chemie, 2016, 128, 10119-10122.	1.6	29
21	Mechanism of enhanced ionic conductivity by rotational nitrite group in antiperovskite Na_3ONO_2 . Journal of Materials Chemistry A, 2020, 8, 21265-21272.	5.2	29
22	Antiperovskite Ionic Conductor Layer for Stabilizing the Interface of NASICON Solid Electrolyte Against Li Metal in All-Solid-State Batteries**. Batteries and Supercaps, 2021, 4, 1491-1498.	2.4	23
23	Exploiting Pulping Waste as an Ecofriendly Multifunctional Binder for Lithium Sulfur Batteries. ACS Sustainable Chemistry and Engineering, 2019, 7, 8413-8418.	3.2	21
24	Local Structural Changes and Inductive Effects on Ion Conduction in Antiperovskite Solid Electrolytes. Chemistry of Materials, 2020, 32, 8827-8835.	3.2	19
25	Interfacial Engineering at Cathode/LTP Interface for High-Performance Solid-State Batteries. Journal of the Electrochemical Society, 2020, 167, 100528.	1.3	15
26	Nanobundles of Iron Phosphide Fabricated by Direct Phosphorization of Metal-Organic Frameworks as an Efficient Hydrogen-Evolving Electrocatalyst. Chemistry - A European Journal, 2019, 26, 4001.	1.7	13
27	Lithium-Rich Anti-perovskite Li_2OHBr -Based Polymer Electrolytes Enabling an Improved Interfacial Stability with a Three-Dimensional-Structured Lithium Metal Anode in All-Solid-State Batteries. ACS Applied Materials & Interfaces, 2021, 13, 28108-28117.	4.0	13
28	Europium-Doped Ceria Nanowires as Anode for Solid Oxide Fuel Cells. Frontiers in Chemistry, 2020, 8, 348.	1.8	11
29	Functionalized gel polymer electrolyte membrane for high performance Li metal batteries. Solid State Ionics, 2021, 361, 115572.	1.3	10
30	Li-Rich Antiperovskite/Nitrile Butadiene Rubber Composite Electrolyte for Sheet-Type Solid-State Lithium Metal Battery. Frontiers in Chemistry, 2021, 9, 744417.	1.8	8
31	Ultrathin, Compacted Gel Polymer Electrolytes Enable High-Energy and Stable-Cycling 4...V Lithium-Metal Batteries. ChemElectroChem, 2020, 7, 3656-3662.	1.7	5
32	A rotating coil measurement system based on CMM for high-gradient small-aperture quadrupole in HEPS-TF. Radiation Detection Technology and Methods, 2021, 5, 8-14.	0.4	4
33	Wet Mechanical Milling Induced Phase Transition to Cubic Anti-Perovskite Li_2OHCl . Chinese Physics Letters, 2022, 39, 028201.	1.3	3
34	Superconducting multipole wiggler with large magnetic gap for HEPS-TF. Nuclear Science and Techniques/Hewuli, 2022, 33, 1.	1.3	3
35	Development of Prototype High Gradient Small Aperture Quadrupole Magnets for HEPS-TF. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	2
36	Design and performance of Hall probe measurement system in CSNS. Radiation Detection Technology and Methods, 2017, 1, 1.	0.4	1

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37	Magnetic Field Measurement and Analysis of the CSNS/RCS Quadrupole Magnets. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.1	1
38	Pressure-Driven Sequential Lattice Collapse and Magnetic Collapse in Transition-Metal-Intercalated Compounds Fe_xNbS_2 . Journal of Physical Chemistry Letters, 2021, 12, 6348-6353.	2.1	1
39	Mechanochemical synthesis of Li_2OHI with enhanced lithium ionic conductivity. Functional Materials Letters, 2021, 14, 2150012.	0.7	0