

Zhibin Zhou

List of Publications by Year in descending order

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26
papers

3,854
citations

361413

20
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

4739
citing authors

#	ARTICLE	IF	CITATIONS
1	Single lithium-ion conducting solid polymer electrolytes: advances and perspectives. <i>Chemical Society Reviews</i> , 2017, 46, 797-815.	38.1	862
2	Superior Electrochemical Performance and Storage Mechanism of Na ₃ V ₂ (PO ₄) ₃ Cathode for Room-Temperature Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2013, 3, 156-160.	19.5	817
3	Disodium Terephthalate (Na ₂ C ₈ H ₄ O ₄) as High Performance Anode Material for Low-Cost Room-Temperature Sodium-Ion Battery. <i>Advanced Energy Materials</i> , 2012, 2, 962-965.	19.5	498
4	Single Lithium-Ion Conducting Polymer Electrolytes Based on a Super-Delocalized Polyanion. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2521-2525.	13.8	411
5	Lithium Bis(fluorosulfonyl)imide/Poly(ethylene oxide) Polymer Electrolyte for All Solid-State Li-S Cell. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 1956-1960.	4.6	166
6	A ceramic/polymer composite solid electrolyte for sodium batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15823-15828.	10.3	152
7	From Solid-Solution Electrodes and the Rocking-Chair Concept to Today's Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 534-538.	13.8	124
8	Impact of the functional group in the polyanion of single lithium-ion conducting polymer electrolytes on the stability of lithium metal electrodes. <i>RSC Advances</i> , 2016, 6, 32454-32461.	3.6	90
9	Novel Li[(CF ₃ SO ₂)(n-C ₄ F ₉ SO ₂)N]-Based Polymer Electrolytes for Solid-State Lithium Batteries with Superior Electrochemical Performance. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 29705-29712.	8.0	87
10	Sodium Bis(fluorosulfonyl)imide/Poly(ethylene oxide) Polymer Electrolytes for Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2016, 3, 1741-1745.	3.4	76
11	A new Na[(FSO ₂)(n-C ₄ F ₉ SO ₂)N]-based polymer electrolyte for solid-state sodium batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7738-7743.	10.3	76
12	The Salt Matters: Enhanced Reversibility of Li-O ₂ Batteries with a Li[(CF ₃ SO ₂)(n-C ₄ F ₉ SO ₂)N]-Based Electrolyte. <i>Advanced Materials</i> , 2018, 30, 1704841.	21.0	76
13	Toothpaste-like Electrode: A Novel Approach to Optimize the Interface for Solid-State Sodium-Ion Batteries with Ultralong Cycle Life. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32631-32636.	8.0	71
14	Improved Cycling Stability of Lithium-Metal Anode with Concentrated Electrolytes Based on Lithium (Fluorosulfonyl)(trifluoromethanesulfonyl)imide. <i>ChemElectroChem</i> , 2016, 3, 531-536.	3.4	67
15	Recent progresses on electrolytes of fluorosulfonimide anions for improving the performances of rechargeable Li and Li-ion battery. <i>Journal of Fluorine Chemistry</i> , 2015, 174, 49-61.	1.7	63
16	Sulfur-containing compounds as electrolyte additives for lithium-ion batteries. <i>Informa-Materials</i> , 2021, 3, 1364-1392.	17.3	60
17	From Solid-Solution Electrodes and the Rocking-Chair Concept to Today's Batteries. <i>Angewandte Chemie</i> , 2020, 132, 542-546.	2.0	28
18	Single Lithium-Ion Conducting Polymer Electrolytes Based on a Super-Delocalized Polyanion. <i>Angewandte Chemie</i> , 2016, 128, 2567-2571.	2.0	26

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19	Molten salt of lithium bis(fluorosulfonyl)imide (LiFSI)-potassium bis(fluorosulfonyl)imide (KFSI) as electrolyte for the natural graphite/LiFePO ₄ lithium-ion cell. <i>Electrochimica Acta</i> , 2014, 135, 217-223.	5.2	24
20	Taming Interfacial Instability in Lithium-Oxygen Batteries: A Polymeric Ionic Liquid Electrolyte Solution. <i>Advanced Energy Materials</i> , 2019, 9, 1901967.	19.5	22
21	Engineering Solid Electrolyte Interphase in Lithium Metal Batteries by Employing an Ionic Liquid Ether Double-Solvent Electrolyte with Li[(CF ₃ SO ₂) _n -C ₄ F ₉ SO ₂] _N] as the Salt. <i>ACS Applied Energy Materials</i> , 2018, 1, 4426-4431.	5.1	21
22	Impact of Negative Charge Delocalization on the Properties of Solid Polymer Electrolytes. <i>ChemElectroChem</i> , 2021, 8, 1322-1328.	3.4	13
23	Unprecedented Impact of Main Chain on Comb Polymer Electrolytes Performances. <i>ChemElectroChem</i> , 2022, 9, .	3.4	9
24	Inhibition of lithium dendrite growth by forming rich polyethylene oxide-like species in a solid-electrolyte interphase in a polysulfide/carbonate electrolyte. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16818-16823.	10.3	7
25	Sodium-Ion Batteries: Superior Electrochemical Performance and Storage Mechanism of Na ₃ V ₂ (PO ₄) ₃ Cathode for Room-Temperature Sodium-Ion Batteries (<i>Adv. Energy Mater.</i> 2/2013). <i>Advanced Energy Materials</i> , 2013, 3, 138-138.	19.5	4
26	Li[(FSO ₂) _n -C ₄ F ₉ SO ₂] _N]: A Difunctional Salt for Ethylene-Carbonate and Additive-Free Electrolyte for Li-Ion Cells. <i>ChemElectroChem</i> , 2021, 8, 1807-1816.	3.4	4