Hongwei Chen

List of Publications by Year
in descending order

26 papers	2,163 citations	331670 21 h-index	552781 26 g-index
26 all docs	26 docs citations	26 times ranked	3234 citing authors

#	Article	IF	Citations
1	Cationic Covalent Organic Framework Nanosheets for Fast Li-Ion Conduction. Journal of the American Chemical Society, 2018, 140, 896-899.	13.7	331
2	Monodispersed Sulfur Nanoparticles for Lithiumâ€“Sulfur Batteries with Theoretical Performance. Nano Letters, 2015, 15, 798-802.	9.1	273
3	Ultrafine Sulfur Nanoparticles in Conducting Polymer Shell as Cathode Materials for High Performance Lithium/Sulfur Batteries. Scientific Reports, 2013, 3, 1910.	3.3	193
4	Suppressing Vacancy Defects and Grain Boundaries via Ostwald Ripening for Highâ€Performance and Stable Perovskite Solar Cells. Advanced Materials, 2020, 32, e1904347.	21.0	172
5	Rational Design of Cathode Structure for High Rate Performance Lithiumâ€“Sulfur Batteries. Nano Letters, 2015, 15, 5443-5448.	9.1	147
6	In situ wrapping of the cathode material in lithium-sulfur batteries. Nature Communications, 2017, 8, 479.	12.8	134
7	Polymer Electrolyte Glue: A Universal Interfacial Modification Strategy for All-Solid-State Li Batteries. Nano Letters, 2019, 19, 2343-2349.	9.1	105
8	Sulfurâ€“amine chemistry-based synthesis of multi-walled carbon nanotubeâ€“sulfur composites for high performance Liâ€“S batteries. Chemical Communications, 2014, 50, 1202-1204.	4.1	103
9	Superionic Conductors <i>via</i> Bulk Interfacial Conduction. Journal of the American Chemical Society, 2020, 142, 18035-18041.	13.7	101
10	Vulcanization accelerator enabled sulfurized carbon materials for high capacity and high stability of lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2015, 3, 1392-1395.	10.3	66
11	Ultrathin Aramid/COF Heterolayered Membrane for Solid-State Li-Metal Batteries. Nano Letters, 2020, 20, 8120-8126.	9.1	63
12	Porous covalent organic frameworks for high transference number polymer-based electrolytes. Chemical Communications, 2019, 55, 1458-1461.	4.1	62
13	Building Lithiophilic Ionâ€Conduction Highways on Garnetâ€Type Solidâ€State Li⁺ Conductors. Advanced Energy Materials, 2020, 10, 1904230.	19.5	62
14	Entropy and crystal-facet modulation of P2-type layered cathodes for long-lasting sodium-based batteries. Nature Communications, 2022, 13, .	12.8	61
15	Simple Transformation of Covalent Organic Frameworks to Highly Proton-Conductive Electrolytes. ACS Applied Materials & Interfaces, 2020, 12, 8198-8205.	8.0	51
16	In-situ activated polycation as a multifunctional additive for Li-S batteries. Nano Energy, 2016, 26, 43-49.	16.0	34
17	How Prussian Blue Analogues Can Be Stable in Concentrated Aqueous Electrolytes. ACS Energy Letters, 2022, 7, 1672-1678.	17.4	32
18	Alleviating polarization by designing ultrasmall Li₂S nanocrystals encapsulated in N-rich carbon as a cathode material for high-capacity, long-life Liâ€“S batteries. Journal of Materials Chemistry A, 2016, 4, 18284-18288.	10.3	29

#	Article	IF	Citations
19	Direct Intertube Cross-Linking of Carbon Nanotubes at Room Temperature. Nano Letters, 2016, 16, 6541-6547.	9.1	26
20	Reviewâ€"From Nano Size Effect to In Situ Wrapping: Rational Design of Cathode Structure for High Performance Lithiumâ^'Sulfur Batteries. Journal of the Electrochemical Society, 2018, 165, A6034-A6042.	2.9	25
21	Covalent interfacial coupling for hybrid solid-state Li ion conductor. Energy Storage Materials, 2019, 23, 277-283.	18.0	22
22	Room temperature all-solid-state lithium batteries based on a soluble organic cage ionic conductor. Nature Communications, 2022, 13, 2031.	12.8	19
23	Polymeric Sulfur as a Li Ion Conductor. Nano Letters, 2020, 20, 2191-2196.	9.1	15
24	Robust interphase on both anode and cathode enables stable aqueous lithium-ion battery with coulombic efficiency exceeding 99%. Energy Storage Materials, 2022, 46, 577-582.	18.0	14
25	Enhancing the performance of sulfurized polyacrylonitrile cathode by in-situ wrapping. Journal of Electroanalytical Chemistry, 2019, 835, 156-160.	3.8	12
26	Selfâ€Activation Enables Cationic and Anionic Coâ€Storage in Organic Frameworks. Advanced Energy Materials, 2022, 12, .	19.5	11