Hualin Ye

List of Publications by Year
in descending order

37 papers	3,219 citations	236925 25 h-index	345221 36 g-index
38 all docs	38 docs citations	38 times ranked	5048 citing authors

#	Article	IF	Citations
1	Ultrathin MoS_{2(1â€“x)}Se_{2x} Alloy Nanoflakes For Electrocatalytic Hydrogen Evolution Reaction. ACS Catalysis, 2015, 5, 2213-2219.	11.2	473
2	Hierarchical VS₂ Nanosheet Assemblies: A Universal Host Material for the Reversible Storage of Alkali Metal Ions. Advanced Materials, 2017, 29, 1702061.	21.0	320
3	A Cathode-Integrated Sulfur-Deficient Co₉S₈ Catalytic Interlayer for the Reutilization of â€œLostâ€•Polysulfides in Lithiumâ€“Sulfur Batteries. ACS Nano, 2019, 13, 7073-7082.	14.6	226
4	Stepwise Electrocatalysis as a Strategy against Polysulfide Shuttling in Liâ€“S Batteries. ACS Nano, 2019, 13, 14208-14216.	14.6	171
5	Amorphous MoS ₃ as the sulfur-equivalent cathode material for room-temperature Liâ€“S and Naâ€“S batteries. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13091-13096.	7.1	170
6	Amorphous MoS₃ Infiltrated with Carbon Nanotubes as an Advanced Anode Material of Sodiumâ€Ion Batteries with Large Gravimetric, Areal, and Volumetric Capacities. Advanced Energy Materials, 2017, 7, 1601602.	19.5	164
7	Elucidating the Catalytic Activity of Oxygen Deficiency in the Polysulfide Conversion Reactions of Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2018, 8, 1801868.	19.5	164
8	Improved Sodium-Ion Storage Performance of Ultrasmall Iron Selenide Nanoparticles. Nano Letters, 2017, 17, 4137-4142.	9.1	128
9	Activating Li₂S as the Lithium-Containing Cathode in Lithiumâ€“Sulfur Batteries. ACS Energy Letters, 2020, 5, 2234-2245.	17.4	125
10	Simultaneous Cobalt and Phosphorous Doping of MoS₂ for Improved Catalytic Performance on Polysulfide Conversion in Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2019, 9, 1902096.	19.5	118
11	Nanostructured CuP₂/C composites as high-performance anode materials for sodium ion batteries. Journal of Materials Chemistry A, 2015, 3, 21754-21759.	10.3	113
12	Rational Synthesis and Assembly of Ni₃S₄ Nanorods for Enhanced Electrochemical Sodium-Ion Storage. ACS Nano, 2018, 12, 1829-1836.	14.6	104
13	Covalent organic framework film protected zinc anode for highly stable rechargeable aqueous zinc-ion batteries. Energy Storage Materials, 2022, 48, 82-89.	18.0	83
14	Towards practical lean-electrolyte Liâ€“S batteries: Highly solvating electrolytes or sparingly solvating electrolytes?. , 2022, 1, e9120012.		83
15	Engineering SnS₂ nanosheet assemblies for enhanced electrochemical lithium and sodium ion storage. Journal of Materials Chemistry A, 2017, 5, 25618-25624.	10.3	79
16	Stabilizing nickel sulfide nanoparticles with an ultrathin carbon layer for improved cycling performance in sodium ion batteries. Nano Research, 2016, 9, 3162-3170.	10.4	65
17	Chemical Immobilization and Conversion of Active Polysulfides Directly by Copper Current Collector: A New Approach to Enabling Stable Roomâ€Temperature Liâ€S and Naâ€S Batteries. Advanced Energy Materials, 2018, 8, 1800624.	19.5	64
18	Solid Additives for Improving the Performance of Sulfur Cathodes in Lithiumâ€“Sulfur Batteriesâ€”Adsorbents, Mediators, and Catalysts. Small Methods, 2020, 4, 1900864.	8.6	60

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19	Mediatorâ€“Assisted Catalysis of Polysulfide Conversion for Highâ€“Loading Lithiumâ€“Sulfur Batteries Operating Under the Lean Electrolyte Condition. Energy Storage Materials, 2021, 38, 338-343.	18.0	51
20	Iron-based sodium-ion full batteries. Journal of Materials Chemistry A, 2016, 4, 1754-1761.	10.3	50
21	Dual-Band Electrochromic Devices with a Transparent Conductive Capacitive Charge-Balancing Anode. ACS Applied Materials & Interfaces, 2019, 11, 48062-48070.	8.0	47
22	Roomâ€temperature metalâ€“sulfur batteries: What can we learn from <scp>lithiumâ€“sulfur</scp>?. InformaÄnÃ-MateriÃ¡ly, 2022, 4, .	17.3	45
23	Chemical Bonding Construction of Reduced Graphene Oxide-Anchored Few-Layer Bismuth Oxychloride for Synergistically Improving Sodium-Ion Storage. Chemistry of Materials, 2019, 31, 7311-7319.	6.7	44
24	Elevating the discharge plateau of prussian blue analogs through low-spin Fe redox induced intercalation pseudocapacitance. Energy Storage Materials, 2021, 43, 182-189.	18.0	43
25	Enhanced polysulfide conversion catalysis in lithium-sulfur batteries with surface cleaning electrolyte additives. Chemical Engineering Journal, 2021, 410, 128284.	12.7	37
26	A hierarchical Î±-MoC_{1â^'x}hybrid nanostructure for lithium-ion storage. Journal of Materials Chemistry A, 2017, 5, 8125-8132.	10.3	34
27	Review on Multivalent Rechargeable Metalâ€“Organic Batteries. Energy & Fuels, 2021, 35, 7624-7636.	5.1	28
28	Mo_xW_{1â^'}_x(S_ySe_{1â^'}_y)<sub> Alloy Nanoflakes for Highâ€Performance Electrocatalytic Hydrogen Evolution. Particle and Particle Systems Characterization, 2016, 33, 576-582.	2.3	24
29	Alleviating mechanical degradation of hexacyanoferrate via strain locking during Na+ insertion/extraction for full sodium ion battery. Nano Research, 2022, 15, 2123-2129.	10.4	21
30	A Redox-Mediated Zincâ€“Air Fuel Cell. ACS Energy Letters, 2022, 7, 2565-2575.	17.4	18
31	Enhanced polysulfide conversion through metal oxide-support interaction in MnOx/MXene. Chemical Engineering Journal, 2021, 420, 130452.	12.7	15
32	Porous polyimide framework based on perylene and triazine for reversible potassium-ion storage. Materials Chemistry Frontiers, 2021, 5, 7184-7190.	5.9	12
33	An integrated approach to improve the performance of leanâ€“electrolyte lithiumâ€“sulfur batteries. Journal of Energy Chemistry, 2022, 67, 585-592.	12.9	12
34	Stabilization of lithium metal anodes by conductive metalâ€“organic framework architectures. Journal of Materials Chemistry A, 2021, 9, 12099-12108.	10.3	10
35	Doping Induced Hierarchical Lattice Expansion of Cobalt Diselenide/Carbon Nanosheet Hybrid for Fast and Stable Sodium Storage. Cell Reports Physical Science, 2020, 1, 100082.	5.6	7
36	Ammonium escorted chloride chemistry in stabilizing aqueous chloride ion battery. Materials Today Energy, 2022, 26, 101020.	4.7	6

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37	Poly(benzobisthiazole-dione) Frameworks for Highly Reversible Sodium- and Potassium-Ion Storage. Energy & Fuels, 2021, 35, 20367-20373.	5.1	5