

Haodong Shi

List of Publications by Year in descending order

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docs citations

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times ranked

2763
citing authors

#	ARTICLE	IF	CITATIONS
1	2D Cu ₂ Se@graphene multifunctional interlayer boosting polysulfide rapid conversion and uniform Li ₂ S nucleation for high performance Li-S batteries. 2D Materials, 2022, 9, 025028.	2.0	2
2	Hard-Carbon Anodes for Sodium-Ion Batteries: Recent Status and Challenging Perspectives. Advanced Energy and Sustainability Research, 2022, 3, .	2.8	27
3	Atomic Fe-N Doped Multi-Cavity Hollow Carbon Nanoreactor as an Efficient Electrocatalyst for Lithium-Sulfur Batteries. Batteries and Supercaps, 2022, 5, .	2.4	7
4	Photopolymerized Gel Electrolyte with Unprecedented Room-Temperature Ionic Conductivity for High-Energy-Density Solid-State Sodium Metal Batteries. Advanced Energy Materials, 2021, 11, 2002930.	10.2	45
5	Engineering nanoreactors for metal-chalcogen batteries. Energy and Environmental Science, 2021, 14, 540-575.	15.6	70
6	Interfacial Engineering of Bifunctional Niobium (V)-Based Heterostructure Nanosheet Toward High Efficiency Lean-Electrolyte Lithium-Sulfur Full Batteries. Advanced Functional Materials, 2021, 31, 2102314.	7.8	93
7	Super-aligned films of sub-1 nm Bi ₂ O ₃ -polyoxometalate nanowires as interlayers in lithium-sulfur batteries. Science China Materials, 2021, 64, 2949-2957.	3.5	27
8	Advanced design of cathodes and interlayers for high-performance lithium-selenium batteries. SusMat, 2021, 1, 393-412.	7.8	26
9	Achieving stable Na metal cycling via polydopamine/multilayer graphene coating of a polypropylene separator. Nature Communications, 2021, 12, 5786.	5.8	69
10	Scalable Production of Freestanding Few-Layer ¹² Borophene Single Crystalline Sheets as Efficient Electrocatalysts for Lithium-Sulfur Batteries. ACS Nano, 2021, 15, 17327-17336.	7.3	40
11	Porous Graphene Materials: The Chemistry and Promising Applications of Graphene and Porous Graphene Materials (Adv. Funct. Mater. 41/2020). Advanced Functional Materials, 2020, 30, 2070275.	7.8	48
12	Lithium-Sulfur Batteries: Dual-Functional Atomic Zinc Decorated Hollow Carbon Nanoreactors for Kinetically Accelerated Polysulfides Conversion and Dendrite Free Lithium Sulfur Batteries (Adv.) Tj ETQq0 0 0 rgBT 10verlock 40 Tf 50 20	10.2	137
13	Hybrid Nanostructures: Recent Advances and Promise of MXene-Based Nanostructures for High-Performance Metal Ion Batteries (Adv. Funct. Mater. 47/2020). Advanced Functional Materials, 2020, 30, 2070310.	7.8	4
14	Arrayed silk fibroin for high-performance Li metal batteries and atomic interface structure revealed by cryo-TEM. Journal of Materials Chemistry A, 2020, 8, 26045-26054.	5.2	47
15	Three dimensional Ti ₃ C ₂ MXene nanoribbon frameworks with uniform potassiophilic sites for the dendrite-free potassium metal anodes. Nanoscale Advances, 2020, 2, 4212-4219.	2.2	39
16	Dual-Functional Atomic Zinc Decorated Hollow Carbon Nanoreactors for Kinetically Accelerated Polysulfides Conversion and Dendrite Free Lithium Sulfur Batteries. Advanced Energy Materials, 2020, 10, 2002271.	10.2	137
17	Boosting Li-S battery performance by an efficient polysulfide double-blocking strategy. FlatChem, 2020, 24, 100209.	2.8	2
18	Lithium-Sulfur Batteries: Molecular-Level Design of Pyrrhotite Electrocatalyst Decorated Hierarchical Porous Carbon Spheres as Nanoreactors for Lithium-Sulfur Batteries (Adv. Energy) Tj ETQq0 0 0 rgBT 10verlock 10 Tf 50 20	10.2	137

#	ARTICLE	IF	CITATIONS
19	3D Flexible, Conductive, and Recyclable Ti ₃ C ₂ T _x MXene-Melamine Foam for High-Areal-Capacity and Long-Lifetime Alkali-Metal Anode. ACS Nano, 2020, 14, 8678-8688.	7.3	164
20	The Chemistry and Promising Applications of Graphene and Porous Graphene Materials. Advanced Functional Materials, 2020, 30, 1909035.	7.8	181
21	A Two-Dimensional Mesoporous Polypyrrole-Graphene Oxide Heterostructure as a Dual-Functional Ion Redistributor for Dendrite-Free Lithium Metal Anodes. Angewandte Chemie, 2020, 132, 12245-12251.	1.6	21
22	A Two-Dimensional Mesoporous Polypyrrole-Graphene Oxide Heterostructure as a Dual-Functional Ion Redistributor for Dendrite-Free Lithium Metal Anodes. Angewandte Chemie - International Edition, 2020, 59, 12147-12153.	7.2	115
23	Recent Advances and Promise of MXene-Based Nanostructures for High-Performance Metal Ion Batteries. Advanced Functional Materials, 2020, 30, 2000706.	7.8	192
24	Molecular-Level Design of Pyrrhotite Electrocatalyst Decorated Hierarchical Porous Carbon Spheres as Nanoreactors for Lithium-Sulfur Batteries. Advanced Energy Materials, 2020, 10, 2000651.	10.2	101
25	2D hierarchical yolk-shell heterostructures as advanced host-interlayer integrated electrode for enhanced Li-S batteries. Journal of Energy Chemistry, 2019, 36, 64-73.	7.1	39
26	Sequential growth of hierarchical N-doped carbon-MoS ₂ nanocomposites with variable nanostructures. Journal of Materials Chemistry A, 2019, 7, 6197-6204.	5.2	22
27	Conducting and Lithiophilic MXene/Graphene Framework for High-Capacity, Dendrite-Free Lithium Metal Anodes. ACS Nano, 2019, 13, 14308-14318.	7.3	155
28	2D hybrid interlayer of electrochemically exfoliated graphene and Co(OH) ₂ nanosheet as a bi-functionalized polysulfide barrier for high-performance lithium-sulfur batteries. JPhys Energy, 2019, 1, 015002.	2.3	15
29	All-MXene-Based Integrated Electrode Constructed by Ti ₃ C ₂ Nanoribbon Framework Host and Nanosheet Interlayer for High-Energy-Density Li-S Batteries. ACS Nano, 2018, 12, 2381-2388.	7.3	340