

Hong Gao

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

2,567
citations

361413

20
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

3893
citing authors

#	ARTICLE	IF	CITATIONS
1	CoS Quantum Dot Nanoclusters for High-Energy Potassium-Ion Batteries. <i>Advanced Functional Materials</i> , 2017, 27, 1702634.	14.9	391
2	Atomic Interface Engineering and Electric-Field Effect in Ultrathin Bi ₂ MoO ₆ Nanosheets for Superior Lithium Ion Storage. <i>Advanced Materials</i> , 2017, 29, 1700396.	21.0	343
3	Yolk-Shell Structured FeP@C Nanoboxes as Advanced Anode Materials for Rechargeable Lithium/Potassium-Ion Batteries. <i>Advanced Functional Materials</i> , 2019, 29, 1808291.	14.9	232
4	Two-dimensional nanostructures for sodium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3284-3303.	10.3	224
5	Integrated Carbon/Red Phosphorus/Graphene Aerogel 3D Architecture via Advanced Vapor-Redistribution for High-Energy Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2016, 6, 1601037.	19.5	198
6	Surface Engineering and Design Strategy for Surface-Amorphized TiO ₂ @Graphene Hybrids for High Power Li-Ion Battery Electrodes. <i>Advanced Science</i> , 2015, 2, 1500027.	11.2	182
7	Recent progress of emerging cathode materials for sodium ion batteries. <i>Materials Chemistry Frontiers</i> , 2021, 5, 3735-3764.	5.9	114
8	Recent Advances in 3D Graphene Architectures and Their Composites for Energy Storage Applications. <i>Small</i> , 2019, 15, e1803858.	10.0	99
9	Phosphorus-Based Materials as the Anode for Sodium-Ion Batteries. <i>Small Methods</i> , 2017, 1, 1700216.	8.6	98
10	Three-Dimensional Porous Cobalt Phosphide Nanocubes Encapsulated in a Graphene Aerogel as an Advanced Anode with High Coulombic Efficiency for High-Energy Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5373-5379.	8.0	78
11	Strong affinity of polysulfide intermediates to multi-functional binder for practical application in lithium-sulfur batteries. <i>Nano Energy</i> , 2016, 26, 722-728.	16.0	72
12	Constructing the best symmetric full K-ion battery with the NASICON-type K ₃ V ₂ (PO ₄) ₃ . <i>Nano Energy</i> , 2019, 60, 432-439.	16.0	67
13	MXene-Based Aerogel Anchored with Antimony Single Atoms and Quantum Dots for High-Performance Potassium-Ion Batteries. <i>Nano Letters</i> , 2022, 22, 1225-1232.	9.1	64
14	Ultrathin Cobaltic Oxide Nanosheets as an Effective Sulfur Encapsulation Matrix with Strong Affinity Toward Polysulfides. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4320-4325.	8.0	59
15	Significantly Raising the Cell Performance of Lithium Sulfur Battery via the Multifunctional Polyaniline Binder. <i>Electrochimica Acta</i> , 2017, 232, 414-421.	5.2	50
16	Synthesis and electrochemical properties of MoO ₃ /C nanocomposite. <i>Electrochimica Acta</i> , 2013, 93, 101-106.	5.2	42
17	Antimony-based nanomaterials for high-performance potassium-ion batteries. <i>EcoMat</i> , 2020, 2, e12027.	11.9	35
18	Manipulating Stable Layered P ₂ -Type Cathode via a Co-Substitution Strategy for High Performance Sodium Ion Batteries. <i>Small Methods</i> , 2022, 6, e2101292.	8.6	32

#	ARTICLE	IF	CITATIONS
19	Synthesis of porous MoV ₂ O ₈ nanosheets as anode material for superior lithium storage. Energy Storage Materials, 2019, 22, 128-137.	18.0	28
20	Rational design of CoNi alloy and atomic Co/Ni composite as an efficient electrocatalyst. Surface Innovations, 2021, 9, 37-48.	2.3	23
21	Dense SnS ₂ nanoplates vertically anchored on a graphene aerogel for pseudocapacitive sodium storage. Materials Chemistry Frontiers, 2022, 6, 325-332.	5.9	22
22	Advances of Carbon-Based Materials for Lithium Metal Anodes. Frontiers in Chemistry, 2020, 8, 595972.	3.6	21
23	Recent advances in seawater in salt electrolytes for aqueous rechargeable monovalent-ion (Li+, Na+). Tj ETQq1 1.0,784314 rgBT /Ov 12.9 21	12.9	21
24	Enhanced electrochemical performance of Li-rich cathode material for lithium-ion batteries. Surface Innovations, 2022, 10, 119-127.	2.3	15
25	Hierarchical O ²⁻ -rich Co ₃ O ₄ nanoarray anchored on Ni foam with superior lithiophilicity enabling ultrastable lithium metal batteries. Chemical Engineering Journal, 2022, 436, 134698.	12.7	13
26	Recent advances of two-dimensional molybdenum disulfide based materials: Synthesis, modification and applications in energy conversion and storage. Sustainable Materials and Technologies, 2020, 24, e00161.	3.3	12
27	A Robust Transition-Metal Sulfide Anode Material Enabled by Truss Structures. Chem, 2020, 6, 334-336.	11.7	10
28	Recent advances on MXene based materials for energy storage applications. Materials Today Sustainability, 2022, 19, 100163.	4.1	9
29	Advances of electrospun Mo-based nanocomposite fibers as anode materials for supercapacitors. Sustainable Materials and Technologies, 2021, 29, e00302.	3.3	8
30	Yolk-Shell Structured Sulfur Composite Cathode with Enhanced Electrochemical Performance for Lithium-Sulfur Battery. Surface Innovations, 0, , 1-7.	2.3	3
31	Synthesis and Electrochemical Properties of LiFePO ₄ /C for Lithium Ion Batteries. Journal of Nanoscience and Nanotechnology, 2015, 15, 2253-2257.	0.9	2