Hong Gao

List of Publications by Year in descending order

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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	Enhanced electrochemical performance of Li-rich cathode material for lithium-ion batteries. Surface Innovations, 2022, 10, 119-127.	2.3	15
2	Dense SnS₂ nanoplates vertically anchored on a graphene aerogel for pseudocapacitive sodium storage. Materials Chemistry Frontiers, 2022, 6, 325-332.	5.9	22
3	MXene-Based Aerogel Anchored with Antimony Single Atoms and Quantum Dots for High-Performance Potassium-Ion Batteries. Nano Letters, 2022, 22, 1225-1232.	9.1	64
4	Manipulating Stable Layered P2â€Type Cathode via a Coâ€Substitution Strategy for High Performance Sodium Ion Batteries. Small Methods, 2022, 6, e2101292.	8.6	32
5	Hierarchical OÎ±-rich Co3O4 nanoarray anchored on Ni foam with superior lithiophilicity enabling ultrastable lithium metal batteries. Chemical Engineering Journal, 2022, 436, 134698.	12.7	13
6	Recent advances in â€œwater in saltâ€•electrolytes for aqueous rechargeable monovalent-ion (Li+, Na+,) Tj ETQq0 0 0 rgBT /Overlock 10	12.9	21
7	Recent advances on MXene based materials for energy storage applications. Materials Today Sustainability, 2022, 19, 100163.	4.1	9
8	Rational design of CoNi alloy and atomic Co/Ni composite as an efficient electrocatalyst. Surface Innovations, 2021, 9, 37-48.	2.3	23
9	Advances of electrospun Mo-based nanocomposite fibers as anode materials for supercapacitors. Sustainable Materials and Technologies, 2021, 29, e00302.	3.3	8
10	Recent progress of emerging cathode materials for sodium ion batteries. Materials Chemistry Frontiers, 2021, 5, 3735-3764.	5.9	114
11	Advances of Carbon-Based Materials for Lithium Metal Anodes. Frontiers in Chemistry, 2020, 8, 595972.	3.6	21
12	Antimonyâ€based nanomaterials for highâ€performance potassiumâ€ion batteries. EcoMat, 2020, 2, e12027.	11.9	35
13	A Robust Transition-Metal Sulfide Anode Material Enabled by Truss Structures. CheM, 2020, 6, 334-336.	11.7	10
14	Recent advances of twoâ€“dimensional molybdenum disulfide based materials: Synthesis, modification and applications in energy conversion and storage. Sustainable Materials and Technologies, 2020, 24, e00161.	3.3	12
15	Constructing the best symmetric full K-ion battery with the NASICON-type K3V2(PO4)3. Nano Energy, 2019, 60, 432-439.	16.0	67
16	Yolkâ€“Shell Structured FeP@C Nanoboxes as Advanced Anode Materials for Rechargeable Lithiumâ€/Potassiumâ€ion Batteries. Advanced Functional Materials, 2019, 29, 1808291.	14.9	232
17	Synthesis of porous MoV2O8 nanosheets as anode material for superior lithium storage. Energy Storage Materials, 2019, 22, 128-137.	18.0	28
18	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. ACS Applied Materials & Interfaces, 2019, 11, 5373-5379.	8.0	78

#	Article	IF	Citations
19	Recent Advances in 3D Graphene Architectures and Their Composites for Energy Storage Applications. Small, 2019, 15, e1803858.	10.0	99
20	Two-dimensional nanostructures for sodium-ion battery anodes. Journal of Materials Chemistry A, 2018, 6, 3284-3303.	10.3	224
21	Significantly Raising the Cell Performance of Lithium Sulfur Battery via the Multifunctional Polyaniline Binder. Electrochimica Acta, 2017, 232, 414-421.	5.2	50
22	Atomic Interface Engineering and Electricâ€Field Effect in Ultrathin Bi₂MoO₆ Nanosheets for Superior Lithium Ion Storage. Advanced Materials, 2017, 29, 1700396.	21.0	343
23	CoS Quantum Dot Nanoclusters for Highâ€Energy Potassiumâ€Ion Batteries. Advanced Functional Materials, 2017, 27, 1702634.	14.9	391
24	Phosphorusâ€Based Materials as the Anode for Sodiumâ€Ion Batteries. Small Methods, 2017, 1, 1700216.	8.6	98
25	Ultrathin Cobaltosic Oxide Nanosheets as an Effective Sulfur Encapsulation Matrix with Strong Affinity Toward Polysulfides. ACS Applied Materials & Interfaces, 2017, 9, 4320-4325.	8.0	59
26	Integrated Carbon/Red Phosphorus/Graphene Aerogel 3D Architecture via Advanced Vaporâ€Redistribution for Highâ€Energy Sodiumâ€Ion Batteries. Advanced Energy Materials, 2016, 6, 1601037.	19.5	198
27	Strong affinity of polysulfide intermediates to multi-functional binder for practical application in lithiumâ€“sulfur batteries. Nano Energy, 2016, 26, 722-728.	16.0	72
28	Surface Engineering and Design Strategy for Surfaceâ€Amorphized TiO₂@Graphene Hybrids for High Power Liâ€Ion Battery Electrodes. Advanced Science, 2015, 2, 1500027.	11.2	182
29	Synthesis and Electrochemical Properties of LiFePO₄/C for Lithium Ion Batteries. Journal of Nanoscience and Nanotechnology, 2015, 15, 2253-2257.	0.9	2
30	Synthesis and electrochemical properties of MoO3/C nanocomposite. Electrochimica Acta, 2013, 93, 101-106.	5.2	42
31	Yolk-Shell Structured Sulfur Composite Cathode with Enhanced Electrochemical Performance for Lithium-Sulfur Battery. Surface Innovations, 0, , 1-7.	2.3	3