

Hongbo Geng

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51
papers

1,246
citations

17
h-index

34
g-index

61
ext. papers

1,879
ext. citations

9.4
avg, IF

5.08
L-index

#	Paper	IF	Citations
51	Kinetics modulation of titanium niobium oxide via hierarchical MXene coating for high-rate and high-energy density lithium-ion half/full batteries. <i>Applied Surface Science</i> , 2022 , 576, 151890	6.7	3
50	Enhanced Zn ²⁺ transfer dynamics via a 3D bird nest-like VO ₂ /MXene heterojunction for ultrahigh-rate aqueous zinc-ion batteries. <i>Journal of Power Sources</i> , 2022 , 520, 230872	8.9	5
49	Phosphorus-carbon covalent bond induced kinetics modulation of vanadium diphosphide for room- and high-temperature sodium-ion batteries. <i>New Journal of Chemistry</i> , 2022 , 46, 5948-5953	3.6	
48	Microspherical copper tetrathiovanadate with stable binding site as ultra-rate and extended longevity anode for sodium-ion half/full batteries. <i>Chemical Engineering Journal</i> , 2022 , 136772	14.7	1
47	Pseudocapacitance-boosted ultrafast and stable Na-storage in NiTe coupled with N-doped carbon nanosheets for advanced sodium-ion half/full batteries. <i>Dalton Transactions</i> , 2021 , 50, 17241-17248	4.3	1
46	Phase and interface engineering of nickel carbide nanobranches for efficient hydrogen oxidation catalysis. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 26323-26329	13	4
45	Constructing electronic interconnected bimetallic selenide-filled porous carbon nanosheets for stable and highly efficient sodium-ion half/full batteries. <i>Nanoscale</i> , 2021 , 13, 18578-18585	7.7	2
44	Modulation of MoS interlayer dynamics by N-doped carbon intercalation for high-rate sodium-ion half/full batteries. <i>Nanoscale</i> , 2021 , 13, 18322-18331	7.7	0
43	Enhancing Li-Ion Affinity of Molybdenum Dioxide/Carbon Fabric to Achieve High Pseudocapacitance. <i>Small</i> , 2021 , 17, e2104178	11	2
42	Interfacial Kinetics Regulation of MoS ₂ /Cu ₂ Se Nanosheets toward Superior High-Rate and Ultralong-Lifespan Sodium-Ion Half/Full Batteries. <i>ChemSusChem</i> , 2021 , 14, 5304-5310	8.3	2
41	The Efficient K Ion Storage of M ₂ P ₂ O ₇ /C (M=Fe, Co, Ni) Anode Derived from Organic-Inorganic Phosphate Precursors. <i>Chemistry - A European Journal</i> , 2021 , 27, 9031-9037	4.8	1
40	SbPS ₄ : A novel anode for high-performance sodium-ion batteries. <i>Chinese Chemical Letters</i> , 2021 , 33, 470-470	8.1	8
39	Tuning the electronic structure of layered vanadium pentoxide by pre-intercalation of potassium ions for superior room/low-temperature aqueous zinc-ion batteries. <i>Nanoscale</i> , 2021 , 13, 2399-2407	7.7	32
38	In situ construction of active interfaces towards improved high-rate performance of CoSe ₂ . <i>Journal of Materials Chemistry A</i> , 2021 , 9, 14582-14592	13	9
37	Modulating the kinetics of CoSe ₂ yolk-shell spheres via nitrogen doping with high pseudocapacitance toward ultra-high-rate capability and high-energy density sodium-ion half/full batteries. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 6873-6882	7.8	1
36	Suppressing vanadium dissolution of VO polyethylene glycol intercalation towards ultralong lifetime room/low-temperature zinc-ion batteries. <i>Nanoscale</i> , 2021 , 13, 17040-17048	7.7	5
35	Stable bismuth phosphosulfide nanoparticle encapsulation into hollow multi-channel carbon nanofibers toward high performance sodium storage. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 17336-17343	13	2

34	Interfacial electron modulation of MoS ₂ /black phosphorus heterostructure toward high-rate and high-energy density half/full sodium-ion batteries. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 6639-6647	7.8	0
33	Interface and structure engineering of bimetallic selenides toward high-performance sodium-ion half/full batteries. <i>Journal of Power Sources</i> , 2021 , 506, 230216	8.9	12
32	Tuning the Kinetics of Zinc-Ion Insertion/Extraction in V O by In Situ Polyaniline Intercalation Enables Improved Aqueous Zinc-Ion Storage Performance. <i>Advanced Materials</i> , 2020 , 32, e2001113	24	158
31	Interlayer Engineering of Molybdenum Trioxide toward High-Capacity and Stable Sodium Ion Half/Full Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 2001708	15.6	29
30	Boosting Transport Kinetics of Cobalt Sulfides Yolk-Shell Spheres by Anion Doping for Advanced Lithium and Sodium Storage. <i>ChemSusChem</i> , 2020 , 13, 4078-4085	8.3	77
29	Synergistically Tuning Electronic Structure of Porous [Mo ₂ C Spheres by Co Doping and Mo-Vacancies Defect Engineering for Optimizing Hydrogen Evolution Reaction Activity. <i>Advanced Functional Materials</i> , 2020 , 30, 2000561	15.6	68
28	Achieving Ultrahigh-Rate and High-Safety Li Storage Based on Interconnected Tunnel Structure in Micro-Size Niobium Tungsten Oxides. <i>Advanced Materials</i> , 2020 , 32, e1905295	24	47
27	Amorphous Bimetallic Oxides Fe-V-O with Tunable Compositions toward Rechargeable Zn-Ion Batteries with Excellent Low-Temperature Performance. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 11753-11760	9.5	21
26	Advanced water splitting electrocatalysts via the design of multicomponent heterostructures. <i>Dalton Transactions</i> , 2020 , 49, 2761-2765	4.3	7
25	Two-Dimensional Germanium Sulfide Nanosheets as an Ultra-Stable and High Capacity Anode for Lithium Ion Batteries. <i>Chemistry - A European Journal</i> , 2020 , 26, 6554-6560	4.8	7
24	Electronic Structure Regulation of Layered Vanadium Oxide via Interlayer Doping Strategy toward Superior High-Rate and Low-Temperature Zinc-Ion Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 1907684	15.6	131
23	Topotactic Transformation Synthesis of 2D Ultrathin GeS Nanosheets toward High-Rate and High-Energy-Density Sodium-Ion Half/Full Batteries. <i>ACS Nano</i> , 2020 , 14, 531-540	16.7	41
22	The ultrasonic-assisted growth of porous cobalt/nickel composite hydroxides as a super high-energy and stable cathode for aqueous zinc batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 17741-17746	13	6
21	Uniform Li Plating/Stripping within Ni Macropore Arrays Enabled by Regulated Electric Field Distribution for Ultra-Stable Li-Metal Anodes. <i>IScience</i> , 2020 , 23, 101089	6.1	1
20	Three-Dimensional Graphene/Ag Aerogel for Durable and Stable Li Metal Anodes in Carbonate-Based Electrolytes. <i>Chemistry - A European Journal</i> , 2019 , 25, 5036-5042	4.8	15
19	Deep Insight into Electrochemical Kinetics of Cowpea-Like Li ₃ VO ₄ @C Nanowires as High-Rate Anode Materials for Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2019 , 6, 3920-3927	4.3	9
18	Optimization of the Hydrogen-Adsorption Free Energy of Ru-Based Catalysts towards High-Efficiency Hydrogen Evolution Reaction at all pH. <i>Chemistry - A European Journal</i> , 2019 , 25, 8579-8584	4.8	17
17	Persistent zinc-ion storage in mass-produced V ₂ O ₅ architectures. <i>Nano Energy</i> , 2019 , 60, 171-178	17.1	98

16	Metal-Oleate Complex-Derived Bimetallic Oxides Nanoparticles Encapsulated in 3D Graphene Networks as Anodes for Efficient Lithium Storage with Pseudocapacitance. <i>Nano-Micro Letters</i> , 2019 , 11, 15	19.5	13
15	Phosphorus-Doping-Induced Surface Vacancies of 3D Na Ti O Nanowire Arrays Enabling High-Rate and Long-Life Sodium Storage. <i>Chemistry - A European Journal</i> , 2019 , 25, 14881-14889	4.8	11
14	Vinyl Ethylene Carbonate as an Effective SEI-Forming Additive in Carbonate-Based Electrolyte for Lithium-Metal Anodes. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 6118-6125	9.5	51
13	Hierarchical Nanotubes Constructed by Co S /MoS Ultrathin Nanosheets Wrapped with Reduced Graphene Oxide for Advanced Lithium Storage. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 170-176	4.5	2
12	Precursor-Based Synthesis of Porous Colloidal Particles towards Highly Efficient Catalysts. <i>Chemistry - A European Journal</i> , 2018 , 24, 10280-10290	4.8	7
11	Rational synthesis of graphene-encapsulated uniform MnMoO hollow spheres as long-life and high-rate anodes for lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2018 , 524, 256-262	9.3	26
10	Highly Dispersive MoP Nanoparticles Anchored on Reduced Graphene Oxide Nanosheets for an Efficient Hydrogen Evolution Reaction Electrocatalyst. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 26258-26263	9.5	37
9	Double-Layer N,S-Codoped Carbon Protection of MnS Nanoparticles Enabling Ultralong-Life and High-Rate Lithium Ion Storage. <i>ACS Applied Energy Materials</i> , 2018 , 1, 4867-4873	6.1	12
8	Nanostructured Li V (PO) Cathodes. <i>Small</i> , 2018 , 14, e1800567	11	65
7	Lithium-Ion Batteries: Nanostructured Li3V2(PO4)3 Cathodes (Small 21/2018). <i>Small</i> , 2018 , 14, 1870095	11	3
6	Co S /MoS Yolk-Shell Spheres for Advanced Li/Na Storage. <i>Small</i> , 2017 , 13, 1603490	11	127
5	Carbon intercalated porous NaTi2(PO4)3 spheres as high-rate and ultralong-life anodes for rechargeable sodium-ion batteries. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 1435-1440	7.8	31
4	Synthesis of graphene wrapped porous CoMoO4 nanospheres as high-performance anodes for rechargeable lithium-ion batteries. <i>RSC Advances</i> , 2017 , 7, 51506-51511	3.7	17
3	Vanadium-based metal-organic frameworks and their derivatives for electrochemical energy conversion and storage. <i>SmartMat</i> ,	22.8	6
2	Achieving superior high-temperature sodium storage performance in a layered potassium vanadate. <i>Science China Materials</i> ,1	7.1	3
1	Sustainable development of graphitic carbon nanosheets from plastic wastes with efficient photothermal energy conversion for enhanced solar evaporation. <i>Journal of Materials Chemistry A</i> ,	13	4