

Junhua Hu

List of Publications by Year in descending order

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191
papers

12,064
citations

17440

63
h-index

32842

100
g-index

196
all docs

196
docs citations

196
times ranked

10428
citing authors

#	ARTICLE	IF	CITATIONS
1	Constructing oxygen-deficient V ₂ O ₃ @C nanospheres for high performance potassium ion batteries. Chinese Chemical Letters, 2023, 34, 107372.	9.0	4
2	In-plane grain boundary induced defect state in hierarchical NiCo-LDH and effect on battery-type charge storage. Nano Research, 2023, 16, 4908-4916.	10.4	31
3	Enabling Argyrodite Sulfides as Superb Solid-state Electrolyte with Remarkable Interfacial Stability Against Electrodes. Energy and Environmental Materials, 2022, 5, 852-864.	12.8	43
4	Hierarchical nanocomposite of carbon-fiber-supported NiCo-based layered double-hydroxide nanosheets decorated with (NiCo)Se ₂ nanoparticles for high performance energy storage. Journal of Colloid and Interface Science, 2022, 608, 175-185.	9.4	41
5	3D frame-like architecture of N-C-incorporated mixed metal phosphide boosting ultrahigh energy density pouch-type supercapacitors. Nano Energy, 2022, 91, 106630.	16.0	74
6	Bimetallic atomic site catalysts for CO ₂ reduction reactions: a review. Environmental Chemistry Letters, 2022, 20, 243-262.	16.2	31
7	Mechanism of enhanced H ₂ S sensor ability based on emerging Li _{0.5} La _{0.5} TiO ₃ -SnO ₂ core-shell structure. Sensors and Actuators B: Chemical, 2022, 352, 131054.	7.8	13
8	Optimizing Hydrogen Binding on Ru Sites with RuCo Alloy Nanosheets for Efficient Alkaline Hydrogen Evolution. Angewandte Chemie, 2022, 134, .	2.0	24
9	White Light Afterglow in Carbon Dots Achieved via Synergy between the Room-temperature Phosphorescence and the Delayed Fluorescence. Small, 2022, 18, e2105415.	10.0	44
10	Optimizing Hydrogen Binding on Ru Sites with RuCo Alloy Nanosheets for Efficient Alkaline Hydrogen Evolution. Angewandte Chemie - International Edition, 2022, 61, e202113664.	13.8	102
11	Bright and Efficient Pure Red Perovskite Nanocrystals Light-emitting Devices via In Situ Modification. Advanced Functional Materials, 2022, 32, .	14.9	24
12	Near solution-level conductivity of polyvinyl alcohol based electrolyte and the application for fully compliant Al-air battery. Chemical Engineering Journal, 2022, 431, 134283.	12.7	23
13	Identification of the active site during CF ₄ hydrolytic decomposition over γ -Al ₂ O ₃ . Environmental Science: Nano, 2022, 9, 954-963.	4.3	6
14	Hydroxyl radical induced from hydrogen peroxide by cobalt manganese oxides for ciprofloxacin degradation. Chinese Chemical Letters, 2022, 33, 5208-5212.	9.0	17
15	Electric-field promoted C-C coupling over Cu nanoneedles for CO ₂ electroreduction to C ₂ products. Chinese Journal of Catalysis, 2022, 43, 519-525.	14.0	34
16	CO ₂ reduction reaction pathways on single-atom Co sites: Impacts of local coordination environment. Chinese Journal of Catalysis, 2022, 43, 832-838.	14.0	18
17	High-performance alkaline water splitting by Ni nanoparticle-decorated Mo-Ni microrods: Enhanced ion adsorption by the local electric field. Chemical Engineering Journal, 2022, 435, 134860.	12.7	20
18	Nickel polyphthalocyanine with electronic localization at the nickel site for enhanced CO ₂ reduction reaction. Applied Catalysis B: Environmental, 2022, 306, 121093.	20.2	53

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19	Efficient and Stable CF ₃ PEAI-Passivated CsPbI ₃ QDs toward Red LEDs. ACS Applied Materials & Interfaces, 2022, 14, 8235-8242.	8.0	20
20	Accelerating CO ₂ Electroreduction to Multicarbon Products via Synergistic Electric-Thermal Field on Copper Nanoneedles. Journal of the American Chemical Society, 2022, 144, 3039-3049.	13.7	147
21	Ligand Engineering in Nickel Phthalocyanine to Boost the Electrocatalytic Reduction of CO ₂ . Advanced Functional Materials, 2022, 32, .	14.9	80
22	Toward layered MoS ₂ anode for harvesting superior lithium storage. RSC Advances, 2022, 12, 9917-9922.	3.6	0
23	Vertical Cu Nanoneedle Arrays Enhance the Local Electric Field Promoting C ₂ Hydrocarbons in the CO ₂ Electroreduction. Nano Letters, 2022, 22, 1963-1970.	9.1	95
24	Highly Stable and Efficient Mn ²⁺ Doping Zero-Dimension Cs ₂ Zn ₄ Pb ₁ Cl ₄ Alloyed Nanorods toward White Electroluminescent Light-Emitting Diodes. Journal of Physical Chemistry Letters, 2022, 13, 2379-2387.	4.6	5
25	Microstructural and mechanical evolution of amorphous Zr-Si with irradiation induced atomic reconfiguration and free volume variation. Surfaces and Interfaces, 2022, 30, 101890.	3.0	2
26	Tandem catalysis on adjacent active motifs of copper grain boundary for efficient CO ₂ electroreduction toward C ₂ products. Journal of Energy Chemistry, 2022, 70, 219-223.	12.9	29
27	PDGF-BB-derived supramolecular hydrogel for promoting skin wound healing. Journal of Nanobiotechnology, 2022, 20, 201.	9.1	37
28	Enabling high energy lithium metal batteries via single-crystal Ni-rich cathode material co-doping strategy. Nature Communications, 2022, 13, 2319.	12.8	143
29	Heterostructured Ni ₃ S ₄ /Co ₉ S ₈ Encapsulated in Nitrogen-Doped Carbon Nanocubes for Advanced Potassium Storage. Chemical Engineering Journal, 2022, 446, 136829.	12.7	8
30	Regulating local charges of atomically dispersed Mo ⁺ sites by nitrogen coordination on cobalt nanosheets to trigger water dissociation for boosted hydrogen evolution in alkaline media. Journal of Energy Chemistry, 2022, 72, 125-132.	12.9	17
31	On the thermal stability and oxidation resistance of Zr/X(Cr, Ni, Si) multilayer structure. Surface and Coatings Technology, 2022, 440, 128500.	4.8	1
32	O-Doping Configurations Reduce the Adsorption Energy Barrier of K-Ions to Improve the Electrochemical Performance of Biomass-Derived Carbon. Micromachines, 2022, 13, 806.	2.9	1
33	Narrowband Near-Infrared Photodetectors Based on Perovskite Waveguide Devices. Journal of Physical Chemistry Letters, 2022, 13, 6057-6063.	4.6	7
34	Electrochemically intercalated intermediate induced exfoliation of few-layer MoS ₂ from molybdenite for long-life sodium storage. Science China Materials, 2021, 64, 115-127.	6.3	22
35	Vertical SrNbO ₂ N Nanorod Arrays for Solar-Driven Photoelectrochemical Water Splitting. Solar Rrl, 2021, 5, 2000448.	5.8	10
36	Planar Li growth on Li ₂ Si ₅ modified Li metal for the stabilization of anode. Journal of Materials Science and Technology, 2021, 76, 156-165.	10.7	6

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37	Self-consistent assessment of Li ⁺ ion cathodes: Theory vs. experiments. Journal of Energy Chemistry, 2021, 59, 229-241.	12.9	22
38	Recent Advances in Strategies for Improving the Performance of CO ₂ Reduction Reaction on Single Atom Catalysts. Small Science, 2021, 1, 2000028.	9.9	57
39	Solution-Processed Efficient Perovskite Nanocrystal Light-Emitting Device Utilizing Doped Hole Transport Layer. Journal of Physical Chemistry Letters, 2021, 12, 94-100.	4.6	24
40	Mn ²⁺ ions doped lead-free zero-dimensional K ₃ SbCl ₆ perovskite nanocrystals towards white light emitting diodes. Chemical Engineering Journal, 2021, 413, 127415.	12.7	33
41	CoS ₂ needle arrays induced a local pseudo-acidic environment for alkaline hydrogen evolution. Nanoscale, 2021, 13, 13604-13609.	5.6	37
42	The progress of nanomaterials for carbon dioxide capture <i>via</i> the adsorption process. Environmental Science: Nano, 2021, 8, 890-912.	4.3	28
43	CoSe@N-Doped Carbon Nanotubes as a Potassium-Ion Battery Anode with High Initial Coulombic Efficiency and Superior Capacity Retention. ACS Nano, 2021, 15, 1121-1132.	14.6	98
44	Dual Evolution in Defect and Morphology of Single-Atom Dispersed Carbon Based Oxygen Electrocatalyst. Advanced Functional Materials, 2021, 31, 2010472.	14.9	78
45	Paired Ru ⁺ O ⁺ Mo ensemble for efficient and stable alkaline hydrogen evolution reaction. Nano Energy, 2021, 82, 105767.	16.0	86
46	Tuning Charge Distribution of FeN ₄ via External N for Enhanced Oxygen Reduction Reaction. ACS Catalysis, 2021, 11, 6304-6315.	11.2	114
47	Zif ⁺ Derived Electrocatalysis: Dual Evolution in Defect and Morphology of Single-Atom Dispersed Carbon Based Oxygen Electrocatalyst (Adv. Funct. Mater. 19/2021). Advanced Functional Materials, 2021, 31, 2170132.	14.9	1
48	Chemical Identification of Catalytically Active Sites on Oxygen-doped Carbon Nanosheet to Decipher the High Activity for Electro ⁺ synthesis Hydrogen Peroxide. Angewandte Chemie - International Edition, 2021, 60, 16607-16614.	13.8	150
49	Chemical Identification of Catalytically Active Sites on Oxygen-doped Carbon Nanosheet to Decipher the High Activity for Electro ⁺ synthesis Hydrogen Peroxide. Angewandte Chemie, 2021, 133, 16743-16750.	2.0	34
50	Activation of CO ₂ on graphitic carbon nitride supported single-atom cobalt sites. Chemical Engineering Journal, 2021, 415, 128982.	12.7	76
51	Metal ⁺ Organic Frameworks ⁺ Derived Nitrogen-doped Porous Carbon Nanocubes with Embedded Co Nanoparticles as Efficient Sulfur Immobilizers for Room Temperature Sodium ⁺ Sulfur Batteries. Small Methods, 2021, 5, e2100455.	8.6	48
52	Intermediate enrichment effect of porous Cu catalyst for CO ₂ electroreduction to C ₂ fuels. Electrochimica Acta, 2021, 388, 138552.	5.2	22
53	Suppressing the interlayer-gliding of layered P3-type K _{0.5} Mn _{0.7} Co _{0.2} Fe _{0.1} O ₂ cathode materials on electrochemical potassium-ion storage. Applied Physics Reviews, 2021, 8, .	11.3	13
54	Single Cobalt Atoms Decorated N-doped Carbon Polyhedron Enabled Dendrite-free Sodium Metal Anode. Small Methods, 2021, 5, e2100833.	8.6	25

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55	Tuning the electron structure enables the NiZn alloy for CO ₂ electroreduction to formate. Journal of Energy Chemistry, 2021, 63, 625-632.	12.9	38
56	Atomically Dispersed β -Block Magnesium Sites for Electroreduction of CO ₂ to CO. Angewandte Chemie, 2021, 133, 25445-25449.	2.0	22
57	Atomically Dispersed β -Block Magnesium Sites for Electroreduction of CO ₂ to CO. Angewandte Chemie - International Edition, 2021, 60, 25241-25245.	13.8	104
58	Tuning the intermediate reaction barriers by a CuPd catalyst to improve the selectivity of CO ₂ electroreduction to C ₂ products. Chinese Journal of Catalysis, 2021, 42, 1500-1508.	14.0	56
59	“Mechanical” electrochemical-coupling structure and the application as a three-dimensional current collector for lithium metal anode. Applied Surface Science, 2021, 563, 150247.	6.1	10
60	Encapsulating Co ₉ S ₈ nanocrystals into CNT-reinforced N-doped carbon nanofibers as a chainmail-like electrocatalyst for advanced Li-S batteries with high sulfur loading. Chemical Engineering Journal, 2021, 423, 130246.	12.7	45
61	Lead-Free Halide Perovskites for Light Emission: Recent Advances and Perspectives. Advanced Science, 2021, 8, 2003334.	11.2	155
62	Machine Learning in Screening High Performance Electrocatalysts for CO ₂ Reduction. Small Methods, 2021, 5, e2100987.	8.6	60
63	Optimizing the Performance of Perovskite Nanocrystal LEDs Utilizing Cobalt Doping on a ZnO Electron Transport Layer. Journal of Physical Chemistry Letters, 2021, 12, 10112-10119.	4.6	18
64	Post-treatment of CsPbI ₃ nanocrystals by p-iodo-D-Phenylalanine for efficient perovskite LEDs. Materials Today Physics, 2021, 21, 100555.	6.0	10
65	Pathogenesis of Children’s Allergic Diseases: Refocusing the Role of the Gut Microbiota. Frontiers in Physiology, 2021, 12, 749544.	2.8	18
66	The Relationship among Physical Activity, Intestinal Flora, and Cardiovascular Disease. Cardiovascular Therapeutics, 2021, 2021, 1-10.	2.5	6
67	A New Co-Free Ni-Rich LiNi _{0.8} Fe _{0.1} Mn _{0.1} O ₂ Cathode for Low-Cost Li-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 57341-57349.	8.0	13
68	MOFs-derived porous Mo ₂ C nano-octahedrons enable high-performance lithium-sulfur batteries. Energy Storage Materials, 2020, 25, 547-554.	18.0	118
69	Chemical diversity of iron species and structure evolution during the oxidation of C14 Laves phase Zr(Fe,Nb) ₂ in subcritical environment. Corrosion Science, 2020, 162, 108218.	6.6	21
70	Enhancing Li-S redox kinetics by fabrication of a three dimensional Co/CoP@nitrogen-doped carbon electrocatalyst. Chemical Engineering Journal, 2020, 380, 122595.	12.7	70
71	Recent advances in the utilization of copper sulfide compounds for electrochemical CO ₂ reduction. Nano Materials Science, 2020, 2, 235-247.	8.8	45
72	A honeycomb-like nitrogen-doped carbon as high-performance anode for potassium-ion batteries. Chemical Engineering Journal, 2020, 384, 123328.	12.7	72

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73	Metallic MoO ₂ –Modified Graphitic Carbon Nitride Boosting Photocatalytic CO ₂ Reduction via Schottky Junction. Solar Rrl, 2020, 4, 1900416.	5.8	59
74	Single-atom transition metals supported on black phosphorene for electrochemical nitrogen reduction. Nanoscale, 2020, 12, 4903-4908.	5.6	107
75	Nano-porous hollow Li _{0.5} La _{0.5} TiO ₃ spheres and electronic structure modulation for ultra-fast H ₂ S detection. Journal of Materials Chemistry A, 2020, 8, 2376-2386.	10.3	32
76	Graphitic carbon nitride based single-atom photocatalysts. Frontiers of Physics, 2020, 15, 1.	5.0	72
77	In-situ constructing Na ₃ V ₂ (PO ₄) ₂ F ₃ /carbon nanocubes for fast ion diffusion with high-performance Na ⁺ -storage. Chemical Engineering Journal, 2020, 387, 123952.	12.7	53
78	In-situ MOFs-derived hollow Co ₉ S ₈ polyhedron welding on the top of MnCo ₂ S ₄ nanoneedles for high performance hybrid supercapacitors. Chemical Engineering Journal, 2020, 391, 123541.	12.7	63
79	Preparation and application of ZrB ₂ -SiCw composite powder for corrosion resistance improvement in Al ₂ O ₃ –ZrO ₂ –C slide plate materials. Ceramics International, 2020, 46, 9817-9825.	4.8	17
80	P3-type K _{0.5} Mn _{0.72} Ni _{0.15} Co _{0.13} O ₂ microspheres as cathode materials for high performance potassium-ion batteries. Chemical Engineering Journal, 2020, 392, 123735.	12.7	39
81	Tailoring the structure of supported γ -MnO ₂ nanosheets to raise pseudocapacitance by surface-modified carbon cloth. Journal of Power Sources, 2020, 449, 227507.	7.8	19
82	Na ⁺ -storage properties derived from a high pseudocapacitive behavior for nitrogen-doped porous carbon anode. Materials Letters, 2020, 261, 127064.	2.6	5
83	Fe ₂ P-decorated N,P Codoped Carbon Synthesized via Direct Biological Recycling for Endurable Sulfur Encapsulation. ACS Central Science, 2020, 6, 1827-1834.	11.3	27
84	Heterogeneous structured MoSe ₂ –MoO ₃ quantum dots with enhanced sodium/potassium storage. Journal of Materials Chemistry A, 2020, 8, 23395-23403.	10.3	48
85	Structural Insight into the Abnormal Capacity of a Co-Substituted Tunnel-Type Na _{0.44} MnO ₂ Cathode for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 47548-47555.	8.0	18
86	Oxidation behavior and chemical evolution of architecturally arranged Zr/Si multilayer at high temperature. Surface and Coatings Technology, 2020, 399, 126205.	4.8	9
87	Design, synthesis, and application of metal sulfides for Li–S batteries: progress and prospects. Journal of Materials Chemistry A, 2020, 8, 17848-17882.	10.3	85
88	MOF-derived Co ₉ S ₈ polyhedrons on NiCo ₂ S ₄ nanowires for high-performance hybrid supercapacitors. Inorganic Chemistry Frontiers, 2020, 7, 4092-4100.	6.0	55
89	Iron phthalocyanine with coordination induced electronic localization to boost oxygen reduction reaction. Nature Communications, 2020, 11, 4173.	12.8	358
90	Large Interlayer Spacing of Few-Layered Cobalt–Tin-Based Sulfide Providing Superior Sodium Storage. ACS Applied Materials & Interfaces, 2020, 12, 41546-41556.	8.0	11

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91	Enhancing CO ₂ reduction by suppressing hydrogen evolution with polytetrafluoroethylene protected copper nanoneedles. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15936-15941.	10.3	78
92	Evolution of spinodal decomposition-like structures during the oxidation of Zr(Fe,Nb) ₂ under subcritical environment. <i>Scripta Materialia</i> , 2020, 187, 107-112.	5.2	13
93	Two-pronged approach to regulate Li etching for a stable anode. <i>Journal of Power Sources</i> , 2020, 455, 227988.	7.8	14
94	Highly Efficient Broadband Solar-Blind UV Photodetector Based on Gd ₂ O ₃ :Eu ³⁺ PMMA Composite Film. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000570.	3.7	12
95	Construction of heterostructured NiFe ₂ O ₄ -C nanorods by transition metal recycling from simulated electroplating sludge leaching solution for high performance lithium ion batteries. <i>Nanoscale</i> , 2020, 12, 13398-13406.	5.6	17
96	Three-dimensional nitrogen-sulfur codoped layered porous carbon nanosheets with sulfur-regulated nitrogen content as a high-performance anode material for potassium-ion batteries. <i>Dalton Transactions</i> , 2020, 49, 5108-5120.	3.3	9
97	Cobalt single atoms supported on N-doped carbon as an active and resilient sulfur host for lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2020, 28, 196-204.	18.0	117
98	Plasma-treatment induced H ₂ O dissociation for the enhancement of photocatalytic CO ₂ reduction to CH ₄ over graphitic carbon nitride. <i>Applied Surface Science</i> , 2020, 508, 145173.	6.1	44
99	Carbon Nanosheets Encapsulated NiSb Nanoparticles as Advanced Anode Materials for Lithium-ion Batteries. <i>Energy and Environmental Materials</i> , 2020, 3, 186-191.	12.8	32
100	Heterointerface Engineering of Hierarchical Bi ₂ S ₃ /MoS ₂ with Self-Generated Rich Phase Boundaries for Superior Sodium Storage Performance. <i>Advanced Functional Materials</i> , 2020, 30, 1910732.	14.9	151
101	Dendrite-free lithium metal anode with lithiophilic interphase from hierarchical frameworks by tuned nucleation. <i>Energy Storage Materials</i> , 2020, 27, 124-132.	18.0	98
102	In situ atomic-scale engineering of the chemistry and structure of the grain boundaries region of Li ₃ La _{2/3} -TiO ₃ . <i>Scripta Materialia</i> , 2020, 185, 134-139.	5.2	15
103	Fe _{1-x} S@S-doped carbon core-shell heterostructured hollow spheres as highly reversible anode materials for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20229-20238.	10.3	80
104	Surficial Structure Retention Mechanism for LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ in a Full Gradient Cathode. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 31991-31996.	8.0	28
105	A designer fast Li-ion conductor Li _{6.25} PS _{5.25} Cl _{0.75} and its contribution to the polyethylene oxide based electrolyte. <i>Applied Surface Science</i> , 2019, 493, 1326-1333.	6.1	24
106	Lithium Ion Conductivity in Double Antiperovskite Li _{6.5} OS _{1.5} l _{1.5} : Alloying and Boundary Effects. <i>ACS Applied Energy Materials</i> , 2019, 2, 6288-6294.	5.1	38
107	Quantum-Dot-Derived Catalysts for CO ₂ Reduction Reaction. <i>Joule</i> , 2019, 3, 1703-1718.	24.0	106
108	Hybrids of PtRu Nanoclusters and Black Phosphorus Nanosheets for Highly Efficient Alkaline Hydrogen Evolution Reaction. <i>ACS Catalysis</i> , 2019, 9, 10870-10875.	11.2	86

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109	Heterostructured Nanocubeâ€‘Shaped Binary Sulfide (SnCo)S ₂ Interlaced with Sâ€‘Doped Graphene as a Highâ€‘Performance Anode for Advanced Na ⁺ Batteries. <i>Advanced Functional Materials</i> , 2019, 29, 1807971.	14.9	154
110	Rational Design of TiOâ€‘TiO ₂ Heterostructure/Polypyrrole as a Multifunctional Sulfur Host for Advanced Lithiumâ€‘Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5055-5063.	8.0	91
111	In Situ Fabrication of Carbon-Encapsulated Fe ₇ X ₈ (X = S, Se) for Enhanced Sodium Storage. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19040-19047.	8.0	63
112	Synergistic effect of cation ordered structure and grain boundary engineering on long-term cycling of Li _{0.35} La _{0.55} TiO ₃ -based solid batteries. <i>Journal of the European Ceramic Society</i> , 2019, 39, 3332-3337.	5.7	31
113	Recent advances in different-dimension electrocatalysts for carbon dioxide reduction. <i>Journal of Colloid and Interface Science</i> , 2019, 550, 17-47.	9.4	26
114	A mechanism assessment for the anti-corrosion of zirconia coating under the condition of subcritical water corrosion. <i>Corrosion Science</i> , 2019, 152, 54-59.	6.6	38
115	MOF-Derived FeS/C Nanosheets for High Performance Lithium Ion Batteries. <i>Nanomaterials</i> , 2019, 9, 492.	4.1	23
116	Fabrication of SnS ₂ /Mn ₂ Sn ₄ /Carbon Heterostructures for Sodium-Ion Batteries with High Initial Coulombic Efficiency and Cycling Stability. <i>ACS Nano</i> , 2019, 13, 3666-3676.	14.6	205
117	One-dimensional Z-scheme TiO ₂ /WO ₃ composite nanofibres for enhanced photocatalytic activity of hydrogen production. <i>International Journal of Nanomanufacturing</i> , 2019, 15, 227.	0.3	2
118	Size effect on the electrochemical reaction path and performance of nano size phosphorus rich skutterudite nickle phosphide. <i>Journal of Alloys and Compounds</i> , 2019, 781, 1059-1068.	5.5	11
119	One-pot synthesis of SnS/C nanocomposites on carbon paper as a high-performance free-standing anode for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2019, 779, 67-73.	5.5	19
120	N/S codoped carbon microboxes with expanded interlayer distance toward excellent potassium storage. <i>Chemical Engineering Journal</i> , 2019, 358, 1147-1154.	12.7	112
121	Three-dimensional (3D) flower-like MoSe ₂ /N-doped carbon composite as a long-life and high-rate anode material for sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2019, 357, 226-236.	12.7	92
122	A renewable natural cotton derived and nitrogen/sulfur co-doped carbon as a high-performance sodium ion battery anode. <i>Materials Today Energy</i> , 2018, 8, 37-44.	4.7	61
123	Constructing 2D layered MoS ₂ nanosheets-modified Z-scheme TiO ₂ /WO ₃ nanofibers ternary nanojunction with enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2018, 430, 466-474.	6.1	92
124	Dominant growth of higher manganese silicide film on Si substrate by introducing a Si oxide capping layer. <i>Journal of Alloys and Compounds</i> , 2018, 740, 541-544.	5.5	10
125	MoS ₂ -covered SnS nanosheets as anode material for lithium-ion batteries with high capacity and long cycle life. <i>Journal of Materials Chemistry A</i> , 2018, 6, 592-598.	10.3	142
126	Mn doped NaV ₃ (PO ₄) ₃ /C anode with high-rate and long cycle-life for sodium ion batteries. <i>Energy Storage Materials</i> , 2018, 12, 153-160.	18.0	55

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127	Strong interplay between dopant and SnO ₂ in amorphous transparent (Sn, Nb)O ₂ anode with high conductivity in electrochemical cycling. <i>Journal of Alloys and Compounds</i> , 2018, 735, 2401-2409.	5.5	28
128	Suppression on allotropic transformation of Sn planar anode with enhanced electrochemical performance. <i>Applied Surface Science</i> , 2018, 435, 1150-1158.	6.1	18
129	Chemically activated hollow carbon nanospheres as a high-performance anode material for potassium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24317-24323.	10.3	174
130	Direct synthesis of FeS/N-doped carbon composite for high-performance sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24702-24708.	10.3	46
131	Construction of MoS ₂ /C Hierarchical Tubular Heterostructures for High-Performance Sodium Ion Batteries. <i>ACS Nano</i> , 2018, 12, 12578-12586.	14.6	272
132	Mechanistic Origin of the High Performance of Yolk@Shell Bi ₂ S ₃ @N-Doped Carbon Nanowire Electrodes. <i>ACS Nano</i> , 2018, 12, 12597-12611.	14.6	213
133	Activated Amorphous Carbon With High-Porosity Derived From Camellia Pollen Grains as Anode Materials for Lithium/Sodium Ion Batteries. <i>Frontiers in Chemistry</i> , 2018, 6, 366.	3.6	47
134	High pyridine N-doped porous carbon derived from metal-organic frameworks for boosting potassium-ion storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17959-17966.	10.3	134
135	Nitrogen-doped bamboo-like carbon nanotubes as anode material for high performance potassium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15162-15169.	10.3	161
136	RGO-functionalized polymer nanofibrous membrane with exceptional surface activity and ultra-low airflow resistance for PM _{2.5} filtration. <i>Environmental Science: Nano</i> , 2018, 5, 1813-1820.	4.3	47
137	A novel three-dimensional hierarchical NiCo ₂ O ₄ /Ni ₂ P electrode for high energy asymmetric supercapacitor. <i>Chemical Engineering Journal</i> , 2018, 354, 254-260.	12.7	116
138	The formation and stacking faults of Fe and Cr containing Laves phase in Zircaloy-4 alloy. <i>Materials Letters</i> , 2017, 191, 203-205.	2.6	32
139	MoS ₂ encapsulated SnO ₂ -SnS/C nanosheets as a high performance anode material for lithium ion batteries. <i>Chemical Engineering Journal</i> , 2017, 316, 393-400.	12.7	136
140	In situ X-ray diffraction characterization of NiSe ₂ as a promising anode material for sodium ion batteries. <i>Journal of Power Sources</i> , 2017, 343, 483-491.	7.8	155
141	A New rGO-coated Sb ₂ Se ₃ Nanorods Anode for Na ⁺ Battery: In Situ X-ray Diffraction Study on a Live Sodiation/Desodiation Process. <i>Advanced Functional Materials</i> , 2017, 27, 1606242.	14.9	258
142	Stabilizing the Nanostructure of SnO ₂ Anodes by Transition Metals: A Route to Achieve High Initial Coulombic Efficiency and Stable Capacities for Lithium Storage. <i>Advanced Materials</i> , 2017, 29, 1605006.	21.0	306
143	Sn-MoS ₂ @C Microspheres as a Sodium Ion Battery Anode Material with High Capacity and Long Cycle Life. <i>Chemistry - A European Journal</i> , 2017, 23, 5051-5058.	3.3	39
144	MoS ₂ Decorated Fe ₃ O ₄ /Fe _{1-x} S@C Nanosheets as High-Performance Anode Materials for Lithium Ion and Sodium Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 4739-4745.	6.7	70

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