

Yunhui Huang

List of Publications by Year in descending order

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530
papers

52,291
citations

813

118
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all docs

544
docs citations

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times ranked

35227
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen-Doped Porous Carbon Nanofiber Webs as Anodes for Lithium Ion Batteries with a Superhigh Capacity and Rate Capability. <i>Advanced Materials</i> , 2012, 24, 2047-2050.	11.1	1,541
2	Development and challenges of LiFePO_4 cathode material for lithium-ion batteries. <i>Energy and Environmental Science</i> , 2011, 4, 269-284.	15.6	1,058
3	Synthesis of functionalized 3D hierarchical porous carbon for high-performance supercapacitors. <i>Energy and Environmental Science</i> , 2013, 6, 2497.	15.6	1,053
4	Na^+ intercalation pseudocapacitance in graphene-coupled titanium oxide enabling ultra-fast sodium storage and long-term cycling. <i>Nature Communications</i> , 2015, 6, 6929.	5.8	969
5	Ultrathin 2D Metal-Organic Framework Nanosheets. <i>Advanced Materials</i> , 2015, 27, 7372-7378.	11.1	943
6	Reconstruction of Conformal Nanoscale MnO on Graphene as a High-Capacity and Long-Life Anode Material for Lithium Ion Batteries. <i>Advanced Functional Materials</i> , 2013, 23, 2436-2444.	7.8	770
7	Promises, Challenges, and Recent Progress of Inorganic Solid-State Electrolytes for All-Solid-State Lithium Batteries. <i>Advanced Materials</i> , 2018, 30, e1705702.	11.1	743
8	MOF-Derived Porous $\text{ZnO}/\text{ZnFe}_2\text{O}_4/\text{C}$ Octahedra with Hollow Interiors for High-Rate Lithium-Ion Batteries. <i>Advanced Materials</i> , 2014, 26, 6622-6628.	11.1	703
9	Self-Assembled Hierarchical $\text{MoO}_2/\text{Graphene}$ Nanoarchitectures and Their Application as a High-Performance Anode Material for Lithium-Ion Batteries. <i>ACS Nano</i> , 2011, 5, 7100-7107.	7.3	611
10	Nanostructured Mo-based electrode materials for electrochemical energy storage. <i>Chemical Society Reviews</i> , 2015, 44, 2376-2404.	18.7	599
11	Synthesis of Two-Dimensional $\text{CoS}_{1.097}$ /Nitrogen-Doped Carbon Nanocomposites Using Metal-Organic Framework Nanosheets as Precursors for Supercapacitor Application. <i>Journal of the American Chemical Society</i> , 2016, 138, 6924-6927.	6.6	591
12	Functionalized N-doped interconnected carbon nanofibers as an anode material for sodium-ion storage with excellent performance. <i>Carbon</i> , 2013, 55, 328-334.	5.4	589
13	Towards polyvalent ion batteries: A zinc-ion battery based on NASICON structured $\text{Na}_3\text{V}_2(\text{PO}_4)_3$. <i>Nano Energy</i> , 2016, 25, 211-217.	8.2	574
14	A Highly Ordered Meso-Microporous Carbon-Supported Sulfur@Smaller Sulfur Core-Shell Structured Cathode for Li-S Batteries. <i>ACS Nano</i> , 2014, 8, 9295-9303.	7.3	552
15	Flexible Asymmetric Micro-Supercapacitors Based on Bi_2O_3 and MnO_2 Nanoflowers: Larger Areal Mass Promises Higher Energy Density. <i>Advanced Energy Materials</i> , 2015, 5, 1401882.	10.2	479
16	A Hierarchical N/S-Codoped Carbon Anode Fabricated Facilely from Cellulose/Polyaniline Microspheres for High-Performance Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2016, 6, 1501929.	10.2	460
17	Prussian Blue Cathode Materials for Sodium-Ion Batteries and Other Ion Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1702619.	10.2	460
18	Building Safe Lithium-Ion Batteries for Electric Vehicles: A Review. <i>Electrochemical Energy Reviews</i> , 2020, 3, 1-42.	13.1	448

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19	Sulfur-Doped Carbon with Enlarged Interlayer Distance as a High-Performance Anode Material for Sodium-Ion Batteries. <i>Advanced Science</i> , 2015, 2, 1500195.	5.6	446
20	Bioinspired Design of Ultrathin 2D Bimetallic Metal-Organic Framework Nanosheets Used as Biomimetic Enzymes. <i>Advanced Materials</i> , 2016, 28, 4149-4155.	11.1	440
21	Ultrathin Two-Dimensional Covalent Organic Framework Nanosheets: Preparation and Application in Highly Sensitive and Selective DNA Detection. <i>Journal of the American Chemical Society</i> , 2017, 139, 8698-8704.	6.6	440
22	Insight into the Electrode Mechanism in Lithium-Sulfur Batteries with Ordered Microporous Carbon Confined Sulfur as the Cathode. <i>Advanced Energy Materials</i> , 2014, 4, 1301473.	10.2	418
23	A Solution-Phase Bifunctional Catalyst for Lithium-Oxygen Batteries. <i>Journal of the American Chemical Society</i> , 2014, 136, 8941-8946.	6.6	409
24	Routes to High Energy Cathodes of Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2016, 6, 1501727.	10.2	408
25	Nitrogen-rich hard carbon as a highly durable anode for high-power potassium-ion batteries. <i>Energy Storage Materials</i> , 2017, 8, 161-168.	9.5	408
26	Growth of Au Nanoparticles on 2D Metalloporphyrinic Metal-Organic Framework Nanosheets Used as Biomimetic Catalysts for Cascade Reactions. <i>Advanced Materials</i> , 2017, 29, 1700102.	11.1	384
27	Status and prospects in sulfur-carbon composites as cathode materials for rechargeable lithium-sulfur batteries. <i>Carbon</i> , 2015, 92, 41-63.	5.4	371
28	Paper-Based Supercapacitors for Self-Powered Nanosystems. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4934-4938.	7.2	364
29	Self-Assembly of Single-Layer CoAl-Layered Double Hydroxide Nanosheets on 3D Graphene Network Used as Highly Efficient Electrocatalyst for Oxygen Evolution Reaction. <i>Advanced Materials</i> , 2016, 28, 7640-7645.	11.1	355
30	Preparation of High-Percentage 1T-Phase Transition Metal Dichalcogenide Nanodots for Electrochemical Hydrogen Evolution. <i>Advanced Materials</i> , 2018, 30, 1705509.	11.1	341
31	Ultrafine core-shell BaTiO ₃ @SiO ₂ structures for nanocomposite capacitors with high energy density. <i>Nano Energy</i> , 2018, 51, 513-523.	8.2	332
32	Electrospun porous ZnCo ₂ O ₄ nanotubes as a high-performance anode material for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 8916.	6.7	328
33	Hybridization of MOFs and COFs: A New Strategy for Construction of MOF@COF Core-Shell Hybrid Materials. <i>Advanced Materials</i> , 2018, 30, 1705454.	11.1	318
34	Constructing Hierarchical Tectorum-like Fe ₂ O ₃ /PPy Nanoarrays on Carbon Cloth for Solid-State Asymmetric Supercapacitors. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1105-1110.	7.2	317
35	Strategies of regulating Zn ²⁺ solvation structures for dendrite-free and side reaction-suppressed zinc-ion batteries. <i>Energy and Environmental Science</i> , 2022, 15, 499-528.	15.6	313
36	Significantly enhanced energy storage performance promoted by ultimate sized ferroelectric BaTiO ₃ fillers in nanocomposite films. <i>Nano Energy</i> , 2017, 31, 49-56.	8.2	312

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37	A Bamboo-Inspired Nanostructure Design for Flexible, Foldable, and Twistable Energy Storage Devices. Nano Letters, 2015, 15, 3899-3906.	4.5	296
38	V2O5 nanopaper as a cathode material with high capacity and long cycle life for rechargeable aqueous zinc-ion battery. Nano Energy, 2019, 60, 752-759.	8.2	272
39	Flexible Membranes of MoS ₂ /C Nanofibers by Electrospinning as Binder-Free Anodes for High-Performance Sodium-Ion Batteries. Scientific Reports, 2015, 5, 9254.	1.6	255
40	Sodium storage in Na-rich Na _x FeFe(CN) ₆ nanocubes. Nano Energy, 2015, 12, 386-393.	8.2	253
41	Slurryless Li ₂ S/Reduced Graphene Oxide Cathode Paper for High-Performance Lithium Sulfur Battery. Nano Letters, 2015, 15, 1796-1802.	4.5	252
42	3D Graphene Decorated NaTi ₂ (PO ₄) ₃ Microspheres as a Superior High-Rate and Ultracycle-Stable Anode Material for Sodium Ion Batteries. Advanced Energy Materials, 2016, 6, 1502197.	10.2	251
43	High sulfur loading composite wrapped by 3D nitrogen-doped graphene as a cathode material for lithium-sulfur batteries. Journal of Materials Chemistry A, 2014, 2, 5018-5023.	5.2	249
44	Lithiation-induced amorphization of Pd ₃ P ₂ S ₈ for highly efficient hydrogen evolution. Nature Catalysis, 2018, 1, 460-468.	16.1	247
45	Alkali-Metal Anodes: From Lab to Market. Joule, 2019, 3, 2334-2363.	11.7	247
46	Morphosynthesis of a hierarchical MoO ₂ nanoarchitecture as a binder-free anode for lithium-ion batteries. Energy and Environmental Science, 2011, 4, 2870.	15.6	245
47	Sodium metal anodes for room-temperature sodium-ion batteries: Applications, challenges and solutions. Energy Storage Materials, 2019, 16, 6-23.	9.5	243
48	Ultrathin, Flexible Polymer Electrolyte for Cost-Effective Fabrication of All-Solid-State Lithium Metal Batteries. Advanced Energy Materials, 2019, 9, 1902767.	10.2	239
49	Reducing the thickness of solid-state electrolyte membranes for high-energy lithium batteries. Energy and Environmental Science, 2021, 14, 12-36.	15.6	236
50	Confined selenium within porous carbon nanospheres as cathode for advanced Li-Se batteries. Nano Energy, 2014, 9, 229-236.	8.2	233
51	MOF-Based Hierarchical Structures for Solar-Thermal Clean Water Production. Advanced Materials, 2019, 31, e1808249.	11.1	233
52	Amorphous/Crystalline Heterophase Pd Nanosheets: One-Pot Synthesis and Highly Selective Hydrogenation Reaction. Advanced Materials, 2018, 30, e1803234.	11.1	231
53	Graphitic Carbon Nitride (g-C ₃ N ₄): An Interface Enabler for Solid-State Lithium Metal Batteries. Angewandte Chemie - International Edition, 2020, 59, 3699-3704.	7.2	220
54	NiFe (Oxy) Hydroxides Derived from NiFe Disulfides as an Efficient Oxygen Evolution Catalyst for Rechargeable Zn-Air Batteries: The Effect of Surface S Residues. Advanced Materials, 2018, 30, e1800757.	11.1	219

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55	Atomically Dispersed Fe _x /C Electrocatalyst Boosts Oxygen Catalysis via a New Metal-Organic Polymer Supramolecule Strategy. <i>Advanced Energy Materials</i> , 2018, 8, 1801226.	10.2	216
56	Stabilization of 4H hexagonal phase in gold nanoribbons. <i>Nature Communications</i> , 2015, 6, 7684.	5.8	215
57	High-Yield Exfoliation of Ultrathin Two-Dimensional Ternary Chalcogenide Nanosheets for Highly Sensitive and Selective Fluorescence DNA Sensors. <i>Journal of the American Chemical Society</i> , 2015, 137, 10430-10436.	6.6	214
58	Electrode Materials of Sodium-Ion Batteries toward Practical Application. <i>ACS Energy Letters</i> , 2018, 3, 1604-1612.	8.8	214
59	Protecting the Li-Metal Anode in a Li ₂ O Battery by using Boric Acid as an SEI-Forming Additive. <i>Advanced Materials</i> , 2018, 30, e1803270.	11.1	213
60	Ether-compatible sulfurized polyacrylonitrile cathode with excellent performance enabled by fast kinetics via selenium doping. <i>Nature Communications</i> , 2019, 10, 1021.	5.8	211
61	Synthesis of Ultrathin PdCu Alloy Nanosheets Used as a Highly Efficient Electrocatalyst for Formic Acid Oxidation. <i>Advanced Materials</i> , 2017, 29, 1700769.	11.1	207
62	High-performance single atom bifunctional oxygen catalysts derived from ZIF-67 superstructures. <i>Nano Energy</i> , 2019, 61, 245-250.	8.2	205
63	Heteroatom-Doped Carbon Materials: Synthesis, Mechanism, and Application for Sodium-Ion Batteries. <i>Small Methods</i> , 2019, 3, 1800323.	4.6	203
64	Enhanced Cyclability for Sulfur Cathode Achieved by a Water-Soluble Binder. <i>Journal of Physical Chemistry C</i> , 2011, 115, 15703-15709.	1.5	201
65	Hierarchical MoS ₂ nanosheet/active carbon fiber cloth as a binder-free and free-standing anode for lithium-ion batteries. <i>Nanoscale</i> , 2014, 6, 5351-5358.	2.8	197
66	Lithium-Graphite Paste: An Interface Compatible Anode for Solid-State Batteries. <i>Advanced Materials</i> , 2019, 31, e1807243.	11.1	197
67	Macroporous free-standing nano-sulfur/reduced graphene oxide paper as stable cathode for lithium-sulfur battery. <i>Nano Energy</i> , 2015, 11, 678-686.	8.2	190
68	Flexible fiber-shaped supercapacitors based on hierarchically nanostructured composite electrodes. <i>Nano Research</i> , 2015, 8, 1148-1158.	5.8	188
69	Flexible and Binder-Free Electrodes of Sb/rGO and Na ₃ V ₂ (PO ₄) ₃ /rGO Nanocomposites for Sodium-Ion Batteries. <i>Small</i> , 2015, 11, 3822-3829.	5.2	184
70	Defect and pyridinic nitrogen engineering of carbon-based metal-free nanomaterial toward oxygen reduction. <i>Nano Energy</i> , 2018, 52, 307-314.	8.2	176
71	Inhibition of Manganese Dissolution in Mn ₂ O ₃ Cathode with Controllable Ni ²⁺ Incorporation for High-Performance Zinc Ion Battery. <i>Advanced Functional Materials</i> , 2021, 31, 2009412.	7.8	176
72	Ultrafine MoO ₂ nanoparticles embedded in a carbon matrix as a high-capacity and long-life anode for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 425-431.	6.7	175

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73	Bi ₄ Ti ₃ O ₁₂ nanofibers/BiOI nanosheets p-n junction: facile synthesis and enhanced visible-light photocatalytic activity. <i>Nanoscale</i> , 2013, 5, 9764.	2.8	174
74	Lanthanum nitrate as aqueous electrolyte additive for favourable zinc metal electrodeposition. <i>Nature Communications</i> , 2022, 13, .	5.8	174
75	Two-dimensional transition metal dichalcogenide nanomaterials for biosensing applications. <i>Materials Chemistry Frontiers</i> , 2017, 1, 24-36.	3.2	173
76	Improved Reversibility of Fe ³⁺ /Fe ⁴⁺ Redox Couple in Sodium Super Ion Conductor Type Na ₃ Fe ₂ (PO ₄) ₃ for Sodium-Ion Batteries. <i>Advanced Materials</i> , 2017, 29, 1605694.	11.1	169
77	Highly porous Li ₄ Ti ₅ O ₁₂ /C nanofibers for ultrafast electrochemical energy storage. <i>Nano Energy</i> , 2014, 10, 163-171.	8.2	165
78	Controlled Synthesis of Mesoporous MnO/C Networks by Microwave Irradiation and Their Enhanced Lithium-Storage Properties. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 1997-2003.	4.0	162
79	Modulating Zn deposition via ceramic-cellulose separator with interfacial polarization effect for durable zinc anode. <i>Nano Energy</i> , 2021, 89, 106322.	8.2	162
80	High-performance lithium storage in nitrogen-enriched carbon nanofiber webs derived from polypyrrole. <i>Electrochimica Acta</i> , 2013, 106, 320-326.	2.6	160
81	NASICON-Structured NaTi ₂ (PO ₄) ₃ @C Nanocomposite as the Low Operation-Voltage Anode Material for High-Performance Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2238-2246.	4.0	159
82	Assembly of NiO/Ni(OH) ₂ /PEDOT Nanocomposites on Contra Wires for Fiber-Shaped Flexible Asymmetric Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1774-1779.	4.0	157
83	A flame-retardant polymer electrolyte for high performance lithium metal batteries with an expanded operation temperature. <i>Energy and Environmental Science</i> , 2021, 14, 3510-3521.	15.6	156
84	Ultrathin CoO/Graphene Hybrid Nanosheets: A Highly Stable Anode Material for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2012, 116, 20794-20799.	1.5	154
85	Hybrid aqueous battery based on Na ₃ V ₂ (PO ₄) ₃ /C cathode and zinc anode for potential large-scale energy storage. <i>Journal of Power Sources</i> , 2016, 308, 52-57.	4.0	153
86	Ultrasonic Scanning to Observe Wetting and Unwetting in Li-Ion Pouch Cells. <i>Joule</i> , 2020, 4, 2017-2029.	11.7	152
87	Porous carbon-modified MnO disks prepared by a microwave-polyol process and their superior lithium-ion storage properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 19190.	6.7	150
88	Tungsten-Doped Li ₂ O-PtCo Ultrasmall Nanoparticles as a High-Performance Fuel Cell Cathode. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15471-15477.	7.2	150
89	Submonolayered Ru Deposited on Ultrathin Pd Nanosheets used for Enhanced Catalytic Applications. <i>Advanced Materials</i> , 2016, 28, 10282-10286.	11.1	148
90	Cathode materials for rechargeable aluminum batteries: current status and progress. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5646-5660.	5.2	147

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91	Metal-Organic Framework Derived Honeycomb Co ₉ S ₈ @C Composites for High-Performance Supercapacitors. <i>Advanced Energy Materials</i> , 2018, 8, 1801080.	10.2	147
92	Roll-to-roll prelithiation of Sn foil anode suppresses gassing and enables stable full-cell cycling of lithium ion batteries. <i>Energy and Environmental Science</i> , 2019, 12, 2991-3000.	15.6	147
93	Freestanding MoO ₃ nanobelt/carbon nanotube films for Li-ion intercalation pseudocapacitors. <i>Nano Energy</i> , 2014, 9, 355-363.	8.2	146
94	TiN as a simple and efficient polysulfide immobilizer for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17711-17717.	5.2	146
95	Superior lithium storage performance in nanoscaled MnO promoted by N-doped carbon webs. <i>Nano Energy</i> , 2013, 2, 412-418.	8.2	145
96	Revisiting the Na _{2/3} Ni _{1/3} Mn _{2/3} O ₂ Cathode: Oxygen Redox Chemistry and Oxygen Release Suppression. <i>ACS Central Science</i> , 2020, 6, 232-240.	5.3	145
97	Critical effects of electrolyte recipes for Li and Na metal batteries. <i>CheM</i> , 2021, 7, 2312-2346.	5.8	144
98	Synthesis of porous Bi ₄ Ti ₃ O ₁₂ nanofibers by electrospinning and their enhanced visible-light-driven photocatalytic properties. <i>Nanoscale</i> , 2013, 5, 2028.	2.8	143
99	A Dual-Insertion Type Sodium-Ion Full Cell Based on High-Quality Ternary-Metal Prussian Blue Analogs. <i>Advanced Energy Materials</i> , 2018, 8, 1702856.	10.2	143
100	Self-wrapped Sb/C nanocomposite as anode material for High-performance sodium-ion batteries. <i>Nano Energy</i> , 2015, 16, 479-487.	8.2	141
101	Integrated Intercalation-Based and Interfacial Sodium Storage in Graphene-Wrapped Porous Li ₄ Ti ₅ O ₁₂ Nanofibers Composite Aerogel. <i>Advanced Energy Materials</i> , 2016, 6, 1600322.	10.2	141
102	Regulating the active species of Ni(OH) ₂ using CeO ₂ : 3D CeO ₂ /Ni(OH) ₂ /carbon foam as an efficient electrode for the oxygen evolution reaction. <i>Chemical Science</i> , 2017, 8, 3211-3217.	3.7	141
103	High-performance aqueous sodium-ion batteries with K _{0.27} MnO ₂ cathode and their sodium storage mechanism. <i>Nano Energy</i> , 2014, 5, 97-104.	8.2	138
104	In Situ Exfoliating and Generating Active Sites on Graphene Nanosheets Strongly Coupled with Carbon Fiber toward Self-Standing Bifunctional Cathode for Rechargeable Zn-Air Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1703539.	10.2	137
105	Mg-Pillared LiCoO ₂ : Towards Stable Cycling at 4.6 V. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4682-4688.	7.2	135
106	Electrolyte Design Enabling a High-Safety and High-Performance Si Anode with a Tailored Electrode-Electrolyte Interphase. <i>Advanced Materials</i> , 2021, 33, e2103178.	11.1	135
107	Coral-like $\hat{\pm}$ -MnS composites with N-doped carbon as anode materials for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 24026.	6.7	134
108	Toward a Stable Sodium Metal Anode in Carbonate Electrolyte: A Compact, Inorganic Alloy Interface. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 707-714.	2.1	132

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109	Encapsulation of MnO Nanocrystals in Electrospun Carbon Nanofibers as High-Performance Anode Materials for Lithium-Ion Batteries. <i>Scientific Reports</i> , 2014, 4, 4229.	1.6	131
110	SnO ₂ as a high-efficiency polysulfide trap in lithium-sulfur batteries. <i>Nanoscale</i> , 2016, 8, 13638-13645.	2.8	131
111	Nanostructured Ti-based anode materials for Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12001-12013.	5.2	129
112	High valence Mo-doped Na ₃ V ₂ (PO ₄) ₃ /C as a high rate and stable cycle-life cathode for sodium battery. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1390-1396.	5.2	129
113	Layer-by-layer assembled MoO ₂ @graphene thin film as a high-capacity and binder-free anode for lithium-ion batteries. <i>Nanoscale</i> , 2012, 4, 4707.	2.8	127
114	Exploring Sodium Ion Storage Mechanism in Hard Carbons with Different Microstructure Prepared by Ball-Milling Method. <i>Small</i> , 2018, 14, e1802694.	5.2	127
115	Sub-6 nm Fully Ordered L ₁ Co Nanoparticles Enhance Oxygen Reduction via Co Doping Induced Ferromagnetism Enhancement and Optimized Surface Strain. <i>Advanced Energy Materials</i> , 2019, 9, 1803771.	10.2	127
116	Preparation of Single-Layer MoS ₂ and Mo ₂ (S ₂) _x Nanosheets with High-Concentration Metallic 1T Phase. <i>Small</i> , 2016, 12, 1866-1874.	5.2	126
117	Is graphite lithiophobic or lithiophilic?. <i>National Science Review</i> , 2020, 7, 1208-1217.	4.6	126
118	A SnO ₂ @carbon nanocluster anode material with superior cyclability and rate capability for lithium-ion batteries. <i>Nanoscale</i> , 2013, 5, 3298.	2.8	125
119	Highly Adhesive Li-BN Nanosheet Composite Anode with Excellent Interfacial Compatibility for Solid-State Li Metal Batteries. <i>ACS Nano</i> , 2019, 13, 14549-14556.	7.3	123
120	Bridging the immiscibility of an all-fluoride fire extinguishant with highly-fluorinated electrolytes toward safe sodium metal batteries. <i>Energy and Environmental Science</i> , 2020, 13, 1788-1798.	15.6	120
121	Self-assembled mesoporous CoO nanodisks as a long-life anode material for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 13826.	6.7	119
122	Synthesis of hierarchical MoS ₂ and its electrochemical performance as an anode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3498-3504.	5.2	117
123	A high-capacity lithium-air battery with Pd modified carbon nanotube sponge cathode working in regular air. <i>Carbon</i> , 2013, 62, 288-295.	5.4	116
124	Effect of Vanadium Incorporation on Electrochemical Performance of LiFePO ₄ for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2011, 115, 13520-13527.	1.5	114
125	Electrospinning of carbon-coated MoO ₂ nanofibers with enhanced lithium-storage properties. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 16735.	1.3	113
126	Conformal N-doped carbon on nanoporous TiO ₂ spheres as a high-performance anode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10375.	5.2	113

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127	Biaxial Strains Mediated Oxygen Reduction Electrocatalysis on Fenton Reaction Resistant $\text{LiO} \cdot \text{PtZn}$ Fuel Cell Cathode. <i>Advanced Energy Materials</i> , 2020, 10, 2000179.	10.2	112
128	Preparation of Superhydrophilic and Underwater Superoleophobic Nanofiber-Based Meshes from Waste Glass for Multifunctional Oil/Water Separation. <i>Small</i> , 2017, 13, 1700391.	5.2	111
129	Biomass-derived nanostructured porous carbons for lithium-sulfur batteries. <i>Science China Materials</i> , 2016, 59, 389-407.	3.5	110
130	Improved Rechargeability of Lithium Metal Anode via Controlling Lithium Ion Flux. <i>Advanced Energy Materials</i> , 2018, 8, 1802352.	10.2	109
131	Electrospun sillenite $\text{Bi}_{12}\text{MO}_{20}$ (M = Ti, Ge, Si) nanofibers: general synthesis, band structure, and photocatalytic activity. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 20698.	1.3	106
132	Fe_7Se_8 nanoparticles encapsulated by nitrogen-doped carbon with high sodium storage performance and evolving redox reactions. <i>Energy Storage Materials</i> , 2018, 10, 114-121.	9.5	106
133	Boosting Tunable Syngas Formation via Electrochemical CO_2 Reduction on $\text{Cu/In}_2\text{O}_3$ Core/Shell Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36996-37004.	4.0	106
134	Bifunctional Atomically Dispersed MoN_2/C Nanosheets Boost Lithium Sulfide Deposition/Decomposition for Stable Lithium-Sulfur Batteries. <i>ACS Nano</i> , 2020, 14, 10115-10126.	7.3	106
135	Preparation of 1T \cdot 2-Phase $\text{ReS}_2 \cdot \text{Se}_2(1-x)$ ($x = 0 \cdot 1$) Nanodots for Highly Efficient Electrocatalytic Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2018, 140, 8563-8568.	6.6	104
136	Metal-Organic Framework Derived $\text{ZnO/ZnFe}_2\text{O}_4/\text{C}$ Nanocages as Stable Cathode Material for Reversible Lithium-Oxygen Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4947-4954.	4.0	103
137	Ethanol Electro-Oxidation on Ternary Platinum-Rhodium-Tin Nanocatalysts: Insights in the Atomic 3D Structure of the Active Catalytic Phase. <i>ACS Catalysis</i> , 2014, 4, 1859-1867.	5.5	102
138	In Situ Synthesis of Metal Sulfide Nanoparticles Based on 2D Metal-Organic Framework Nanosheets. <i>Small</i> , 2016, 12, 4669-4674.	5.2	101
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