

Hao-Bin Wu

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Mixed Transition-Metal Oxides: Design, Synthesis, and Energy-Related Applications. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1488-1504.	7.2	2,019
2	A metal-organic framework-derived bifunctional oxygen electrocatalyst. <i>Nature Energy</i> , 2016, 1, .	19.8	1,974
3	Porous molybdenum carbide nano-octahedrons synthesized via confined carburization in metal-organic frameworks for efficient hydrogen production. <i>Nature Communications</i> , 2015, 6, 6512.	5.8	1,194
4	Formation of nickel cobalt sulfide ball-in-ball hollow spheres with enhanced electrochemical pseudocapacitive properties. <i>Nature Communications</i> , 2015, 6, 6694.	5.8	1,101
5	Nanostructured metal oxide-based materials as advanced anodes for lithium-ion batteries. <i>Nanoscale</i> , 2012, 4, 2526.	2.8	1,012
6	Formation of Fe ₂ O ₃ Microboxes with Hierarchical Shell Structures from Metal-Organic Frameworks and Their Lithium Storage Properties. <i>Journal of the American Chemical Society</i> , 2012, 134, 17388-17391.	6.6	935
7	Enhancing lithium-sulphur battery performance by strongly binding the discharge products on amino-functionalized reduced graphene oxide. <i>Nature Communications</i> , 2014, 5, 5002.	5.8	892
8	Metal-organic frameworks and their derived materials for electrochemical energy storage and conversion: Promises and challenges. <i>Science Advances</i> , 2017, 3, eaap9252.	4.7	824
9	Single-crystalline NiCo ₂ O ₄ nanoneedle arrays grown on conductive substrates as binder-free electrodes for high-performance supercapacitors. <i>Energy and Environmental Science</i> , 2012, 5, 9453.	15.6	754
10	Quasiemulsion-Templated Formation of Fe ₂ O ₃ Hollow Spheres with Enhanced Lithium Storage Properties. <i>Journal of the American Chemical Society</i> , 2011, 133, 17146-17148.	6.6	750
11	Confining Sulfur in Double-Shelled Hollow Carbon Spheres for Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9592-9595.	7.2	692
12	Complex Nanostructures from Materials based on Metal-Organic Frameworks for Electrochemical Energy Storage and Conversion. <i>Advanced Materials</i> , 2017, 29, 1703614.	11.1	629
13	Complex Hollow Nanostructures: Synthesis and Energy-Related Applications. <i>Advanced Materials</i> , 2017, 29, 1604563.	11.1	627
14	Formation of ZnMn ₂ O ₄ Ball-in-Ball Hollow Microspheres as a High-Performance Anode for Lithium-Ion Batteries. <i>Advanced Materials</i> , 2012, 24, 4609-4613.	11.1	603
15	Rational designs and engineering of hollow micro-/nanostructures as sulfur hosts for advanced lithium-sulfur batteries. <i>Energy and Environmental Science</i> , 2016, 9, 3061-3070.	15.6	598
16	One-Pot Synthesis of Cubic PtCu ₃ Nanocages with Enhanced Electrocatalytic Activity for the Methanol Oxidation Reaction. <i>Journal of the American Chemical Society</i> , 2012, 134, 13934-13937.	6.6	581
17	Controlled Growth of NiMoO ₄ Nanosheet and Nanorod Arrays on Various Conductive Substrates as Advanced Electrodes for Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , 2015, 5, 1401172.	10.2	559
18	High-performance flexible asymmetric supercapacitors based on a new graphene foam/carbon nanotube hybrid film. <i>Energy and Environmental Science</i> , 2014, 7, 3709-3719.	15.6	557

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19	Hierarchical Fe_2C Nanotubes Organized by Ultrathin Nanosheets as a Highly Efficient Electrocatalyst for Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15395-15399.	7.2	546
20	Pseudocapacitive Sodium Storage in Mesoporous Single-Crystal-like TiO_2 "Graphene Nanocomposite Enables High-Performance Sodium-Ion Capacitors. <i>ACS Nano</i> , 2017, 11, 2952-2960.	7.3	542
21	Metal-Organic-Frameworks-Derived General Formation of Hollow Structures with High Complexity. <i>Journal of the American Chemical Society</i> , 2013, 135, 10664-10672.	6.6	520
22	Template-free Formation of Uniform Urchin-like FeOOH Hollow Spheres with Superior Capability for Water Treatment. <i>Advanced Materials</i> , 2012, 24, 1111-1116.	11.1	504
23	Iron-Oxide-Based Advanced Anode Materials for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2014, 4, 1300958.	10.2	498
24	Hierarchical MoS_2 microboxes constructed by nanosheets with enhanced electrochemical properties for lithium storage and water splitting. <i>Energy and Environmental Science</i> , 2014, 7, 3302-3306.	15.6	471
25	Bowl-like SnO_2 @Carbon Hollow Particles as an Advanced Anode Material for Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12803-12807.	7.2	463
26	Formation of Nickel Sulfide Nanoframes from Metal-Organic Frameworks with Enhanced Pseudocapacitive and Electrocatalytic Properties. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5331-5335.	7.2	439
27	Ultrathin and Ultralong Single-Crystal Platinum Nanowire Assemblies with Highly Stable Electrocatalytic Activity. <i>Journal of the American Chemical Society</i> , 2013, 135, 9480-9485.	6.6	425
28	Formation of NiCo_3S_4 Hollow Nanoprisms with Enhanced Pseudocapacitive Properties. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3711-3714.	7.2	417
29	One-Pot Synthesis of Pt-Co Alloy Nanowire Assemblies with Tunable Composition and Enhanced Electrocatalytic Properties. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3797-3801.	7.2	407
30	Self-Templated Formation of Hollow Structures for Electrochemical Energy Applications. <i>Accounts of Chemical Research</i> , 2017, 50, 293-301.	7.6	397
31	Formation of Uniform Fe_3O_4 Hollow Spheres Organized by Ultrathin Nanosheets and Their Excellent Lithium Storage Properties. <i>Advanced Materials</i> , 2015, 27, 4097-4101.	11.1	396
32	Mesoporous $\text{Li}_4\text{Ti}_5\text{O}_{12}$ Hollow Spheres with Enhanced Lithium Storage Capability. <i>Advanced Materials</i> , 2013, 25, 2296-2300.	11.1	364
33	Embedding Sulfur in MOF-Derived Microporous Carbon Polyhedrons for Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2013, 19, 10804-10808.	1.7	355
34	Facile synthesis of mesoporous $\text{Ni}_0.3\text{Co}_2.7\text{O}_4$ hierarchical structures for high-performance supercapacitors. <i>Energy and Environmental Science</i> , 2013, 6, 3619.	15.6	347
35	Formation of 1D Hierarchical Structures Composed of Ni_3S_2 Nanosheets on CNTs Backbone for Supercapacitors and Photocatalytic H_2 Production. <i>Advanced Energy Materials</i> , 2012, 2, 1497-1502.	10.2	321
36	Hierarchical Tubular Structures Constructed by Carbon-Coated SnO_2 Nanoplates for Highly Reversible Lithium Storage. <i>Advanced Materials</i> , 2013, 25, 2589-2593.	11.1	304

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37	A Flexible TiO ₂ (B)-Based Battery Electrode with Superior Power Rate and Ultralong Cycle Life. <i>Advanced Materials</i> , 2013, 25, 3462-3467.	11.1	286
38	Template-Free Synthesis of VO ₂ Hollow Microspheres with Various Interiors and Their Conversion into V ₂ O ₅ for Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2226-2230.	7.2	275
39	Direct Synthesis of Anatase TiO ₂ Nanowires with Enhanced Photocatalytic Activity. <i>Advanced Materials</i> , 2012, 24, 2567-2571.	11.1	271
40	Formation of Mesoporous Heterostructured BiVO ₄ /Bi ₂ S ₃ Hollow Discoids with Enhanced Photoactivity. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5917-5921.	7.2	269
41	Controlled synthesis of hierarchical Co _x Mn _{3-x} O ₄ array micro-/nanostructures with tunable morphology and composition as integrated electrodes for lithium-ion batteries. <i>Energy and Environmental Science</i> , 2013, 6, 2664-2671.	15.6	265
42	Uniform V ₂ O ₅ nanosheet-assembled hollow microflowers with excellent lithium storage properties. <i>Energy and Environmental Science</i> , 2013, 6, 1476.	15.6	256
43	Confining Sub-Nanometer Pt Clusters in Hollow Mesoporous Carbon Spheres for Boosting Hydrogen Evolution Activity. <i>Advanced Materials</i> , 2020, 32, e1901349.	11.1	255
44	Activating the hydrogen evolution and overall water splitting performance of NiFe LDH by cation doping and plasma reduction. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118627.	10.8	255
45	Porous Co ₃ O ₄ nanowires derived from long Co(CO ₃) _{0.5} (OH)·0.11H ₂ O nanowires with improved supercapacitive properties. <i>Nanoscale</i> , 2012, 4, 2145.	2.8	251
46	Facile preparation of ZnMn ₂ O ₄ hollow microspheres as high-capacity anodes for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 827-829.	6.7	236
47	Hierarchical NiCo ₂ O ₄ Nanosheets Grown on Ni Nanofoam as High-Performance Electrodes for Supercapacitors. <i>Small</i> , 2015, 11, 804-808.	5.2	232
48	Creating Lithium-Ion Electrolytes with Biomimetic Ionic Channels in Metal-Organic Frameworks. <i>Advanced Materials</i> , 2018, 30, e1707476.	11.1	230
49	Unusual CoS ₂ ellipsoids with anisotropic tube-like cavities and their application in supercapacitors. <i>Chemical Communications</i> , 2012, 48, 6912.	2.2	228
50	Citrate-Assisted Growth of NiCo ₂ O ₄ Nanosheets on Reduced Graphene Oxide for Highly Reversible Lithium Storage. <i>Advanced Energy Materials</i> , 2014, 4, 1400422.	10.2	227
51	Self-Supported Construction of Uniform Fe ₃ O ₄ Hollow Microspheres from Nanoplate Building Blocks. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4165-4168.	7.2	222
52	Formation of porous SnO ₂ microboxes via selective leaching for highly reversible lithium storage. <i>Energy and Environmental Science</i> , 2014, 7, 1013.	15.6	221
53	Microwave-Assisted Synthesis of Porous Ag ₂ S@Ag Hybrid Nanotubes with High Visible-Light Photocatalytic Activity. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11501-11504.	7.2	215
54	Self-Supported Interconnected Pt Nanoassemblies as Highly Stable Electrocatalysts for Low-Temperature Fuel Cells. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7213-7216.	7.2	211

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55	Synthesis of SnO ₂ Hierarchical Structures Assembled from Nanosheets and Their Lithium Storage Properties. <i>Journal of Physical Chemistry C</i> , 2011, 115, 24605-24610.	1.5	200
56	A Flexible Quasi-Solid-State Asymmetric Electrochemical Capacitor Based on Hierarchical Porous V ₂ O ₅ Nanosheets on Carbon Nanofibers. <i>Advanced Energy Materials</i> , 2015, 5, 1500753.	10.2	198
57	Highly Concave Platinum Nanoframes with High-Index Facets and Enhanced Electrocatalytic Properties. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12337-12340.	7.2	193
58	Ordered Macroporous BiVO ₄ Architectures with Controllable Dual Porosity for Efficient Solar Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8579-8583.	7.2	179
59	Rutile TiO ₂ Submicroboxes with Superior Lithium Storage Properties. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4001-4004.	7.2	169
60	Interconnected MoO ₂ Nanocrystals with Carbon Nanocoating as High-Capacity Anode Materials for Lithium-ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 4853-4857.	4.0	167
61	TiO ₂ Hollow Spheres Composed of Highly Crystalline Nanocrystals Exhibit Superior Lithium Storage Properties. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12590-12593.	7.2	164
62	In Situ High-Level Nitrogen Doping into Carbon Nanospheres and Boosting of Capacitive Charge Storage in Both Anode and Cathode for a High-Energy 4.5 V Full-Carbon Lithium-ion Capacitor. <i>Nano Letters</i> , 2018, 18, 3368-3376.	4.5	163
63	Deeply reconstructed hierarchical and defective NiOOH/FeOOH nanoboxes with accelerated kinetics for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 15586-15594.	5.2	162
64	Synthesis of Hierarchical Three-Dimensional Vanadium Oxide Microstructures as High-Capacity Cathode Materials for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 3874-3879.	4.0	157
65	Template-Assisted Formation of Rattle-Type V ₂ O ₅ Hollow Microspheres with Enhanced Lithium Storage Properties. <i>Advanced Functional Materials</i> , 2013, 23, 5669-5674.	7.8	154
66	Porosity-Controlled TiNb ₂ O ₇ Microspheres with Partial Nitridation as A Practical Negative Electrode for High-Power Lithium-ion Batteries. <i>Advanced Energy Materials</i> , 2015, 5, 1401945.	10.2	153
67	Growth of Ultrathin ZnCo ₂ O ₄ Nanosheets on Reduced Graphene Oxide with Enhanced Lithium Storage Properties. <i>Advanced Science</i> , 2015, 2, 1400014.	5.6	153
68	Facile synthesis of carbon-coated MoS ₂ nanorods with enhanced lithium storage properties. <i>Electrochemistry Communications</i> , 2012, 20, 7-10.	2.3	151
69	In Situ Doping Boron Atoms into Porous Carbon Nanoparticles with Increased Oxygen Graft Enhances both Affinity and Durability toward Electrolyte for Greatly Improved Supercapacitive Performance. <i>Advanced Functional Materials</i> , 2018, 28, 1804190.	7.8	149
70	Graphene Caging Silicon Particles for High-Performance Lithium-ion Batteries. <i>Small</i> , 2018, 14, e1800635.	5.2	146
71	Strongly coupled carbon nanofiber-metal oxide coaxial nanocables with enhanced lithium storage properties. <i>Energy and Environmental Science</i> , 2014, 7, 302-305.	15.6	144
72	Fabrication of Hybrid Silicate Coatings by a Simple Vapor Deposition Method for Lithium Metal Anodes. <i>Advanced Energy Materials</i> , 2018, 8, 1701744.	10.2	138

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73	Regenerative Polysulfide-Scavenging Layers Enabling Lithium-Sulfur Batteries with High Energy Density and Prolonged Cycling Life. ACS Nano, 2017, 11, 2697-2705.	7.3	132
74	Mesoporous Single-crystal CoSn(OH) ₆ Hollow Structures with Multilevel Interiors. Scientific Reports, 2013, 3, 1391.	1.6	131
75	TiO ₂ nanotube arrays grafted with Fe ₂ O ₃ hollow nanorods as integrated electrodes for lithium-ion batteries. Journal of Materials Chemistry A, 2013, 1, 122-127.	5.2	130
76	Recent Progress of Hybrid Solid-State Electrolytes for Lithium Batteries. Chemistry - A European Journal, 2018, 24, 18293-18306.	1.7	127
77	Porous Fe ₂ O ₃ nanocubes derived from MOFs for highly reversible lithium storage. CrystEngComm, 2013, 15, 9332.	1.3	124
78	One-dimensional metal oxide-carbon hybrid nanostructures for electrochemical energy storage. Nanoscale Horizons, 2016, 1, 27-40.	4.1	119
79	Dual redox mediators accelerate the electrochemical kinetics of lithium-sulfur batteries. Nature Communications, 2020, 11, 5215.	5.8	113
80	Sandwich-structured TiO ₂ -Pt-graphene ternary hybrid electrocatalysts with high efficiency and stability. Journal of Materials Chemistry, 2012, 22, 16499.	6.7	112
81	An Improved Li-Se ₂ Battery with High Energy Density and Long Cycle Life. Advanced Energy Materials, 2017, 7, 1700281.	10.2	111
82	Hierarchical Tubular Structures Constructed by Carbon-coated Fe ₂ O ₃ Nanorods for Highly Reversible Lithium Storage. Small, 2014, 10, 1741-1745.	5.2	105
83	Unusual Formation of Single-Crystal Manganese Sulfide Microboxes Co-mediated by the Cubic Crystal Structure and Shape. Angewandte Chemie - International Edition, 2012, 51, 7267-7270.	7.2	103
84	Preparation of Carbon-Coated NiCo ₂ O ₄ @SnO ₂ Hetero-nanostructures and Their Reversible Lithium Storage Properties. Small, 2015, 11, 432-436.	5.2	97
85	Ionic Liquid-Assisted Synthesis of TiO ₂ -Carbon Hybrid Nanostructures for Lithium-Ion Batteries. Advanced Functional Materials, 2016, 26, 1338-1346.	7.8	97
86	Template-Free Synthesis of Hierarchical Vanadium Glycolate Hollow Microspheres and Their Conversion to V ₂ O ₅ with Improved Lithium Storage Capability. Chemistry - A European Journal, 2013, 19, 494-500.	1.7	96
87	Metal-Organic Framework-Assisted Synthesis of Compact Fe ₂ O ₃ Nanotubes in Co ₃ O ₄ Host with Enhanced Lithium Storage Properties. Nano-Micro Letters, 2018, 10, 44.	14.4	93
88	Fluorine-rich nanoporous carbon with enhanced surface affinity in organic electrolyte for high-performance supercapacitors. Nano Energy, 2016, 21, 80-89.	8.2	89
89	One-Step Synthesis of Microporous Carbon Monoliths Derived from Biomass with High Nitrogen Doping Content for Highly Selective CO ₂ Capture. Scientific Reports, 2016, 6, 30049.	1.6	82
90	Nitrogen-rich carbon spheres made by a continuous spraying process for high-performance supercapacitors. Nano Research, 2016, 9, 3209-3221.	5.8	78

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91	Robust iron nanoparticles with graphitic shells for high-performance Ni-Fe battery. Nano Energy, 2016, 30, 217-224.	8.2	76
92	Mesoporous single-crystal-like TiO ₂ mesocages threaded with carbon nanotubes for high-performance electrochemical energy storage. Nano Energy, 2017, 35, 44-51.	8.2	75
93	Ion-Transport-Rectifying Layer Enables Li-Metal Batteries with High Energy Density. Matter, 2020, 3, 1685-1700.	5.0	75
94	Synthesis of Uniform Layered Protonated Titanate Hierarchical Spheres and Their Transformation to Anatase TiO ₂ for Lithium-Ion Batteries. Chemistry - A European Journal, 2012, 18, 2094-2099.	1.7	74
95	A General Method to Grow Porous Fe ₂ O ₃ Nanosheets on Substrates as Integrated Electrodes for Lithium-Ion Batteries. Advanced Materials Interfaces, 2014, 1, 1400050.	1.9	74
96	Interface-Induced Pseudocapacitance in Nonporous Heterogeneous Particles for High Volumetric Sodium Storage. Advanced Functional Materials, 2020, 30, 2002019.	7.8	74
97	Anchoring anions with metal-organic framework-functionalized separators for advanced lithium batteries. Nanoscale Horizons, 2019, 4, 705-711.	4.1	71
98	Well-dispersed phosphorus nanocrystals within carbon via high-energy mechanical milling for high performance lithium storage. Nano Energy, 2019, 59, 464-471.	8.2	70
99	Synthesis of CoSe ₂ nanoparticles embedded in N-doped carbon with conformal TiO ₂ shell for sodium-ion batteries. Chemical Engineering Journal, 2019, 378, 122206.	6.6	69
100	Formation of Pt-TiO ₂ -rGO 3-phase junctions with significantly enhanced electro-activity for methanol oxidation. Physical Chemistry Chemical Physics, 2012, 14, 473-476.	1.3	67
101	Growth of SnO ₂ nanosheet arrays on various conductive substrates as integrated electrodes for lithium-ion batteries. Materials Horizons, 2014, 1, 133-138.	6.4	66
102	Post Iron Decoration of Mesoporous Nitrogen-Doped Carbon Spheres for Efficient Electrochemical Oxygen Reduction. Advanced Energy Materials, 2017, 7, 1701154.	10.2	65
103	Multi-functional anodes boost the transient power and durability of proton exchange membrane fuel cells. Nature Communications, 2020, 11, 1191.	5.8	65
104	Synthesis of micro-sized SnO ₂ @carbon hollow spheres with enhanced lithium storage properties. Nanoscale, 2012, 4, 3651.	2.8	64
105	Fastening Br ⁺ Ions at Copper-Molecule Interface Enables Highly Efficient Electroreduction of CO ₂ to Ethanol. ACS Energy Letters, 2021, 6, 437-444.	8.8	62
106	Asymmetric anatase TiO ₂ nanocrystals with exposed high-index facets and their excellent lithium storage properties. Nanoscale, 2011, 3, 4082.	2.8	61
107	Bowl-like SnO ₂ @Carbon Hollow Particles as an Advanced Anode Material for Lithium-Ion Batteries. Angewandte Chemie, 2014, 126, 13017-13021.	1.6	57
108	Tungstate-modulated Ni/Ni(OH) ₂ interface for efficient hydrogen evolution reaction in neutral media. Journal of Materials Chemistry A, 2021, 9, 1456-1462.	5.2	57

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109	Confined growth of small ZnO nanoparticles in a nitrogen-rich carbon framework: Advanced anodes for long-life Li-ion batteries. <i>Carbon</i> , 2017, 113, 46-54.	5.4	55
110	Cooperative stabilization of bi-electrodes with robust interphases for high-voltage lithium-metal batteries. <i>Energy Storage Materials</i> , 2021, 37, 521-529.	9.5	54
111	Self-organized sheaf-like Fe ₃ O ₄ /C hierarchical microrods with superior lithium storage properties. <i>Nanoscale</i> , 2015, 7, 4411-4414.	2.8	53
112	In-situ formation of ligand-stabilized bismuth nanosheets for efficient CO ₂ conversion. <i>Applied Catalysis B: Environmental</i> , 2021, 297, 120481.	10.8	52
113	Synthesis of phase-pure SnO ₂ nanosheets with different organized structures and their lithium storage properties. <i>CrystEngComm</i> , 2012, 14, 5133.	1.3	50
114	One-Pot Synthesis of Platinum Nanocubes on Reduced Graphene Oxide with Enhanced Electrocatalytic Activity. <i>Small</i> , 2014, 10, 2336-2339.	5.2	47
115	One-Pot Synthesis of Ultra-Light Nickel Nanofoams Composed of Nanowires and Their Transformation into Various Functional Nanofoams. <i>Small</i> , 2012, 8, 3432-3437.	5.2	46
116	Titania Nanosheets Hierarchically Assembled on Carbon Nanotubes as High-Rate Anodes for Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2012, 18, 3132-3135.	1.7	43
117	Encapsulation of SnO ₂ nanocrystals into hierarchically porous carbon by melt infiltration for high-performance lithium storage. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18706-18710.	5.2	42
118	Hierarchically structured Pt/CNT@TiO ₂ nanocatalysts with ultrahigh stability for low-temperature fuel cells. <i>RSC Advances</i> , 2012, 2, 792-796.	1.7	41
119	Sustained-Release Nanocapsules Enable Long-Lasting Stabilization of Li Anode for Practical Li-Metal Batteries. <i>Nano-Micro Letters</i> , 2020, 12, 176.	14.4	41
120	Phosphorus-doping and oxygen vacancy endowing anatase TiO ₂ with excellent sodium storage performance. <i>Rare Metals</i> , 2022, 41, 1284-1293.	3.6	41
121	A Ternary Molten Salt Approach for Direct Regeneration of LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ Cathode. <i>Small</i> , 2022, 18, e2106719.	5.2	41
122	Enhanced electroreduction of CO ₂ to C ₂ + products on heterostructured Cu/oxide electrodes. <i>CheM</i> , 2022, 8, 2148-2162.	5.8	41
123	Particulate Anion Sorbents as Electrolyte Additives for Lithium Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 2003055.	7.8	38
124	Low-coordinated cobalt arrays for efficient hydrazine electrooxidation. <i>Energy and Environmental Science</i> , 2022, 15, 3246-3256.	15.6	36
125	Molecular engineering to introduce carbonyl between nickel salophen active sites to enhance electrochemical CO ₂ reduction to methanol. <i>Applied Catalysis B: Environmental</i> , 2022, 314, 121451.	10.8	32
126	Use of regenerated cellulose to direct hetero-assembly of nanoparticles with carbon nanotubes for producing flexible battery anodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13944-13949.	5.2	28

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127	Recent advances in metal-based electrocatalysts with hetero-interfaces for CO ₂ reduction reaction. <i>Chem Catalysis</i> , 2022, 2, 262-291.	2.9	28
128	Synthesis of ZIF-67 nanocubes with complex structures co-mediated by dopamine and polyoxometalate. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19338-19341.	5.2	26
129	Iron-decorated nitrogen-rich carbons as efficient oxygen reduction electrocatalysts for Zn-air batteries. <i>Nanoscale</i> , 2018, 10, 16996-17001.	2.8	25
130	Class of Solid-like Electrolytes for Rechargeable Batteries Based on Metal-Organic Frameworks Infiltrated with Liquid Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43824-43832.	4.0	25
131	Quasi-solid electrolyte membranes with percolated metal-organic frameworks for practical lithium-metal batteries. <i>Journal of Energy Chemistry</i> , 2021, 52, 354-360.	7.1	22
132	Hetero-Interfaces on Cu Electrode for Enhanced Electrochemical Conversion of CO ₂ to Multi-Carbon Products. <i>Nano-Micro Letters</i> , 2022, 14, .	14.4	20
133	Morphology-controlled fabrication of hierarchical mesoporous NiCo ₂ O ₄ micro-/nanostructures and their intriguing application in electrochemical capacitors. <i>RSC Advances</i> , 2013, 3, 23709.	1.7	19
134	A high-rate and ultrastable anode enabled by boron-doped nanoporous carbon spheres for high-power and long life lithium ion capacitors. <i>Materials Today Energy</i> , 2018, 9, 428-439.	2.5	19
135	Covalently Bonded Si-Polymer Nanocomposites Enabled by Mechanochemical Synthesis as Durable Anode Materials. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 39127-39134.	4.0	18
136	Copper and carbon-incorporated yolk-shelled FeP spheres with enhanced sodium storage properties. <i>Chemical Engineering Journal</i> , 2021, 421, 127776.	6.6	16
137	CeO ₂ -modified Cu electrode for efficient CO ₂ electroreduction to multi-carbon products. <i>Journal of CO₂ Utilization</i> , 2021, 54, 101741.	3.3	16
138	Plasma-reduced Co(OH) ₂ with activated hydrogen evolution and overall water splitting performance. <i>Sustainable Energy and Fuels</i> , 2020, 4, 2645-2649.	2.5	15
139	Biodegradable MnFe-hydroxide nanocapsules to enable multi-therapeutics delivery and hypoxia-modulated tumor treatment. <i>Journal of Materials Chemistry B</i> , 2020, 8, 3929-3938.	2.9	10
140	Engineering Different Reaction Centers on Hierarchical Ni/NiFe Layered Double Hydroxide Accelerating Overall Water Splitting. <i>ACS Applied Energy Materials</i> , 2021, 4, 9858-9865.	2.5	9
141	Hierarchical Mn ₃ O ₄ Microplates Composed of Stacking Porous Nanosheets for High-Performance Lithium Storage. <i>ChemElectroChem</i> , 2017, 4, 2703-2708.	1.7	8
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