Huan Pang

List of Publications by Year
in descending order

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448 papers	38,977 citations	1530 106 h-index	4419 172 g-index
459 all docs	459 docs citations	459 times ranked	26941 citing authors

#	Article	IF	Citations
1	MOF-derived electrocatalysts for oxygen reduction, oxygen evolution and hydrogen evolution reactions. Chemical Society Reviews, 2020, 49, 1414-1448.	18.7	1,128
2	Transitionâ€Metal (Fe, Co, Ni) Based Metalâ€Organic Frameworks for Electrochemical Energy Storage. Advanced Energy Materials, 2017, 7, 1602733.	10.2	711
3	Synthesis of micro/nanoscaled metalâ€“organic frameworks and their direct electrochemical applications. Chemical Society Reviews, 2020, 49, 301-331.	18.7	685
4	Transition Metal Sulfides Based on Graphene for Electrochemical Energy Storage. Advanced Energy Materials, 2018, 8, 1703259.	10.2	679
5	Flexible supercapacitors based on paper substrates: a new paradigm for low-cost energy storage. Chemical Society Reviews, 2015, 44, 5181-5199.	18.7	546
6	Metalâ€“organic frameworks as a platform for clean energy applications. EnergyChem, 2020, 2, 100027.	10.1	530
7	A highly alkaline-stable metal oxide@metalâ€“organic framework composite for high-performance electrochemical energy storage. National Science Review, 2020, 7, 305-314.	4.6	487
8	Hierarchically Nanostructured Transition Metal Oxides for Lithiumâ€ion Batteries. Advanced Science, 2018, 5, 1700592.	5.6	440
9	Rechargeable zincâ€“air batteries: a promising way to green energy. Journal of Materials Chemistry A, 2017, 5, 7651-7666.	5.2	432
10	Metal-organic frameworks for direct electrochemical applications. Coordination Chemistry Reviews, 2018, 376, 292-318.	9.5	430
11	Facile synthesis of an accordion-like Ni-MOF superstructure for high-performance flexible supercapacitors. Journal of Materials Chemistry A, 2016, 4, 19078-19085.	5.2	411
12	Transition metal oxides with one-dimensional/one-dimensional-analogue nanostructures for advanced supercapacitors. Journal of Materials Chemistry A, 2017, 5, 8155-8186.	5.2	394
13	MoS₂â€Based Nanocomposites for Electrochemical Energy Storage. Advanced Science, 2017, 4, 1600289.	5.6	374
14	Applications of Metalâ€“Organicâ€Frameworkâ€Derived Carbon Materials. Advanced Materials, 2019, 31, e1804740.	11.1	369
15	Ultrathin Nickelâ€“Cobalt Phosphate 2D Nanosheets for Electrochemical Energy Storage under Aqueous/Solidâ€State Electrolyte. Advanced Functional Materials, 2017, 27, 1605784.	7.8	368
16	Facile synthesis of mesoporous Ni0.3Co2.7O4 hierarchical structures for high-performance supercapacitors. Energy and Environmental Science, 2013, 6, 3619.	15.6	347
17	High energy-power Zn-ion hybrid supercapacitors enabled by layered B/N co-doped carbon cathode. Nano Energy, 2019, 66, 104132.	8.2	344
18	Rational Design and General Synthesis of Multimetallic Metalâ€“Organic Framework Nanoâ€Octahedra for Enhanced Liâ€“S Battery. Advanced Materials, 2021, 33, e2105163.	11.1	324

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19	Two-Dimensional Tin Selenide Nanostructures for Flexible All-Solid-State Supercapacitors. ACS Nano, 2014, 8, 3761-3770.	7.3	322
20	Metal-organic framework-based materials as an emerging platform for advanced electrochemical sensing. Coordination Chemistry Reviews, 2020, 410, 213222.	9.5	321
21	Encapsulating highly catalytically active metal nanoclusters inside porous organic cages. Nature Catalysis, 2018, 1, 214-220.	16.1	310
22	One-pot synthesis of heterogeneous Co3O4-nanocube/Co(OH)2-nanosheet hybrids for high-performance flexible asymmetric all-solid-state supercapacitors. Nano Energy, 2017, 35, 138-145.	8.2	305
23	Nitrogenâ€Doped Cobalt Oxide Nanostructures Derived from Cobaltâ€“Alanine Complexes for Highâ€Performance Oxygen Evolution Reactions. Advanced Functional Materials, 2018, 28, 1800886.	7.8	302
24	MOFâ€Derived Metal Oxide Composites for Advanced Electrochemical Energy Storage. Small, 2018, 14, e1704435.	5.2	297
25	MXeneâ€Copper/Cobalt Hybrids via Lewis Acidic Molten Salts Etching for High Performance Symmetric Supercapacitors. Angewandte Chemie - International Edition, 2021, 60, 25318-25322.	7.2	295
26	Metalâ€“organic framework composites and their electrochemical applications. Journal of Materials Chemistry A, 2019, 7, 7301-7327.	5.2	284
27	High performance electrochemical capacitor materials focusing on nickel based materials. Inorganic Chemistry Frontiers, 2016, 3, 175-202.	3.0	283
28	Vanadium based materials as electrode materials for high performance supercapacitors. Journal of Power Sources, 2016, 329, 148-169.	4.0	272
29	Nanoparticle/MOF composites: preparations and applications. Materials Horizons, 2017, 4, 557-569.	6.4	262
30	Prussian blue and its derivatives as electrode materials for electrochemical energy storage. Energy Storage Materials, 2017, 9, 11-30.	9.5	260
31	Metalâ€“organic frameworks for lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2019, 7, 3469-3491.	5.2	259
32	Porous hollow Co₃O₄with rhombic dodecahedral structures for high-performance supercapacitors. Nanoscale, 2014, 6, 14354-14359.	2.8	252
33	In Situ Anchoring Polymetallic Phosphide Nanoparticles within Porous Prussian Blue Analogue Nanocages for Boosting Oxygen Evolution Catalysis. Nano Letters, 2021, 21, 3016-3025.	4.5	250
34	Ultrathin two-dimensional cobaltâ€“organic framework nanosheets for high-performance electrocatalytic oxygen evolution. Journal of Materials Chemistry A, 2018, 6, 22070-22076.	5.2	249
35	A Review of MOFs and Their Compositesâ€Based Photocatalysts: Synthesis and Applications. Advanced Functional Materials, 2021, 31, 2104231.	7.8	243
36	Facile synthesis and superior electrochemical performances of CoNi₂S₄/graphene nanocomposite suitable for supercapacitor electrodes. Journal of Materials Chemistry A, 2014, 2, 9613-9619.	5.2	241

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37	Supercapacitors based on metal coordination materials. Coordination Chemistry Reviews, 2018, 373, 2-21.	9.5	231
38	Superlong Single-Crystal Metalâ€“Organic Framework Nanotubes. Journal of the American Chemical Society, 2018, 140, 15393-15401.	6.6	230
39	A Simple Approach to Boost Capacitance: Flexible Supercapacitors Based on Manganese Oxides@MOFs via Chemically Induced In Situ Selfâ€Transformation. Advanced Materials, 2016, 28, 5242-5248.	11.1	229
40	Ni and NiO Nanoparticles Decorated Metalâ€“Organic Framework Nanosheets: Facile Synthesis and High-Performance Nonenzymatic Glucose Detection in Human Serum. ACS Applied Materials & Interfaces, 2017, 9, 22342-22349.	4.0	229
41	Microwave-assisted synthesis of NiS2 nanostructures for supercapacitors and cocatalytic enhancing photocatalytic H2 production. Scientific Reports, 2014, 4, 3577.	1.6	222
42	Metalâ€Organic Frameworks/Grapheneâ€Based Materials: Preparations and Applications. Advanced Functional Materials, 2018, 28, 1804950.	7.8	219
43	Carbon nanotube-based materials for lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2019, 7, 17204-17241.	5.2	214
44	In Situ Growth of Threeâ€Dimensional MXene/Metalâ€“Organic Framework Composites for Highâ€Performance Supercapacitors. Angewandte Chemie - International Edition, 2022, 61, .	7.2	211
45	Nanostructured graphene-based materials for flexible energy storage. Energy Storage Materials, 2017, 9, 150-169.	9.5	205
46	MILâ€96â€Al for Liâ€“S Batteries: Shape or Size?. Advanced Materials, 2022, 34, e2107836.	11.1	205
47	Graphene oxide/nickel oxide modified glassy carbon electrode for supercapacitor and nonenzymatic glucose sensor. Electrochimica Acta, 2013, 88, 708-712.	2.6	199
48	MXeneâ€“2D layered electrode materials for energy storage. Progress in Natural Science: Materials International, 2018, 28, 133-147.	1.8	197
49	Design and synthesis of covalent organic frameworks towards energy and environment fields. Chemical Engineering Journal, 2019, 355, 602-623.	6.6	197
50	Activated carbon with ultrahigh specific surface area synthesized from natural plant material for lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2014, 2, 15889-15896.	5.2	189
51	Graphitic carbon nitride based materials for electrochemical energy storage. Journal of Materials Chemistry A, 2019, 7, 901-924.	5.2	178
52	Metalâ€Organic Frameworkâ€Derived Carbons for Battery Applications. Advanced Energy Materials, 2018, 8, 1800716.	10.2	174
53	Porphyrin-based framework materials for energy conversion. , 2022, 1, e9120009.		174
54	Dual-ligand and hard-soft-acid-base strategies to optimize metal-organic framework nanocrystals for stable electrochemical cycling performance. National Science Review, 2022, 9, .	4.6	171

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55	Morphology effect on antibacterial activity of cuprous oxide. Chemical Communications, 2009, , 1076.	2.2	170
56	Lamellar K2Co3(P2O7)2Â·2H2O nanocrystal whiskers: High-performance flexible all-solid-state asymmetric micro-supercapacitors via inkjet printing. Nano Energy, 2015, 15, 303-312.	8.2	170
57	Metal (M = Co, Ni) phosphate based materials for high-performance supercapacitors. Inorganic Chemistry Frontiers, 2018, 5, 11-28.	3.0	169
58	Twoâ€Dimensional MOF and COF Nanosheets: Synthesis and Applications in Electrochemistry. Chemistry - A European Journal, 2020, 26, 6402-6422.	1.7	168
59	Facile Synthesis of Vanadium Metalâ€Organic Frameworks for Highâ€Performance Supercapacitors. Small, 2018, 14, e1801815.	5.2	167
60	N,S co-doped 3D mesoporous carbonâ€“Co₃Si₂O₅(OH)₄ architectures for high-performance flexible pseudo-solid-state supercapacitors. Journal of Materials Chemistry A, 2017, 5, 12774-12781.	5.2	160
61	A review of electrochemical energy storage behaviors based on pristine metalâ€“organic frameworks and their composites. Coordination Chemistry Reviews, 2020, 416, 213341.	9.5	159
62	Facile synthesis of ultrathin Ni-MOF nanobelts for high-efficiency determination of glucose in human serum. Journal of Materials Chemistry B, 2017, 5, 5234-5239.	2.9	157
63	Recent progress in layered double hydroxide based materials for electrochemical capacitors: design, synthesis and performance. Nanoscale, 2017, 9, 15206-15225.	2.8	156
64	Core-shell materials for advanced batteries. Chemical Engineering Journal, 2019, 355, 208-237.	6.6	156
65	Applications of Tin Sulfideâ€Based Materials in Lithiumâ€Ion Batteries and Sodiumâ€Ion Batteries. Advanced Functional Materials, 2020, 30, 2001298.	7.8	154
66	Facile synthesis of nickel oxide nanotubes and their antibacterial, electrochemical and magnetic properties. Chemical Communications, 2009, , 7542.	2.2	152
67	Noble metal-based materials in high-performance supercapacitors. Inorganic Chemistry Frontiers, 2017, 4, 33-51.	3.0	151
68	FeO_xâ€Based Materials for Electrochemical Energy Storage. Advanced Science, 2018, 5, 1700986.	5.6	151
69	Amorphous nickel pyrophosphate microstructures for high-performance flexible solid-state electrochemical energy storage devices. Nano Energy, 2015, 17, 339-347.	8.2	148
70	Ruthenium based materials as electrode materials for supercapacitors. Chemical Engineering Journal, 2018, 333, 505-518.	6.6	147
71	Preparation of mesoporous NiO with a bimodal pore size distribution and application in electrochemical capacitors. Electrochimica Acta, 2010, 55, 6830-6835.	2.6	146
72	Syntheses and Energy Storage Applications of M_xS_y (M = Cu, Ag,) Tj ETQq0 0 0 rgBT /Overlock Materials, 2017, 27, 1703949.	7.8	142

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73	Development and application of carbon fiber in batteries. Chemical Engineering Journal, 2020, 384, 123294.	6.6	141
74	Recent Progress in Some Amorphous Materials for Supercapacitors. Small, 2018, 14, e1800426.	5.2	140
75	Recent advancements in Prussian blue analogues: Preparation and application in batteries. Energy Storage Materials, 2021, 36, 387-408.	9.5	137
76	Redox-active triazatruxene-based conjugated microporous polymers for high-performance supercapacitors. Chemical Science, 2017, 8, 2959-2965.	3.7	136
77	Polypyrrole coated hollow metalâ€“organic framework composites for lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2019, 7, 19465-19470.	5.2	136
78	High performance of electrochemical lithium storage batteries: ZnO-based nanomaterials for lithium-ion and lithiumâ€“sulfur batteries. Nanoscale, 2016, 8, 18578-18595.	2.8	134
79	A facile one-step electrochemical synthesis of graphene/NiO nanocomposites as efficient electrocatalyst for glucose and methanol. Sensors and Actuators B: Chemical, 2014, 190, 809-817.	4.0	133
80	Ultrathin two-dimensional cobalt-organic frameworks nanosheets for electrochemical energy storage. Chemical Engineering Journal, 2019, 373, 1319-1328.	6.6	132
81	Facile synthesis of porous ZnOâ€“NiO composite micropolyhedrons and their application for high power supercapacitor electrode materials. Dalton Transactions, 2012, 41, 13284.	1.6	130
82	Recent development of biomass-derived carbons and composites as electrode materials for supercapacitors. Materials Chemistry Frontiers, 2019, 3, 2543-2570.	3.2	130
83	The application of CeO₂-based materials in electrocatalysis. Journal of Materials Chemistry A, 2019, 7, 17675-17702.	5.2	128
84	Facile one-pot generation of metal oxide/hydroxide@metalâ€“organic framework composites: highly efficient bifunctional electrocatalysts for overall water splitting. Chemical Communications, 2019, 55, 10904-10907.	2.2	127
85	Development and application of self-healing materials in smart batteries and supercapacitors. Chemical Engineering Journal, 2020, 380, 122565.	6.6	127
86	Co3O4 and its composites for high-performance Li-ion batteries. Chemical Engineering Journal, 2018, 343, 427-446.	6.6	126
87	The synthesis and electrochemical applications of coreâ€“shell MOFs and their derivatives. Journal of Materials Chemistry A, 2019, 7, 15519-15540.	5.2	126
88	Metal-organic framework (MOF) composites as promising materials for energy storage applications. Advances in Colloid and Interface Science, 2022, 307, 102732.	7.0	126
89	Dendrite-like Co3O4 nanostructure and its applications in sensors, supercapacitors and catalysis. Dalton Transactions, 2012, 41, 5862.	1.6	125
90	One-step synthesis of CoNi2S4 nanoparticles for supercapacitor electrodes. RSC Advances, 2014, 4, 6998.	1.7	125

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91	Fabrication, characteristics and applications of carbon materials with different morphologies and porous structures produced from wood liquefaction: A review. Chemical Engineering Journal, 2019, 364, 226-243.	6.6	125
92	Recent advances in the development of electronically and ionically conductive metal-organic frameworks. Coordination Chemistry Reviews, 2021, 439, 213915.	9.5	125
93	Improvement of electrochemical performance of LiNi0.8Co0.1Mn0.1O2 cathode material by graphene nanosheets modification. Electrochimica Acta, 2014, 149, 86-93.	2.6	122
94	Advances in metalâ€“organic framework-based nanozymes and their applications. Coordination Chemistry Reviews, 2021, 449, 214216.	9.5	122
95	Lowâ€Symmetry Iron Oxide Nanocrystals Bound by Highâ€Index Facets. Angewandte Chemie - International Edition, 2010, 49, 6328-6332.	7.2	121
96	Electrochemical detection of dopamine using water-soluble sulfonated graphene. Electrochimica Acta, 2013, 102, 58-65.	2.6	120
97	Amorphous Intermediate Derivative from ZIFâ€67 and Its Outstanding Electrocatalytic Activity. Small, 2020, 16, e1904252.	5.2	120
98	Smart Yolk/Shell ZIF-67@POM Hybrids as Efficient Electrocatalysts for the Oxygen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2019, 7, 5027-5033.	3.2	119
99	Facile fabrication of NH4CoPO4Â·H2O nano/microstructures and their primarily application as electrochemical supercapacitor. Nanoscale, 2012, 4, 5946.	2.8	118
100	Design of hollow carbon-based materials derived from metalâ€“organic frameworks for electrocatalysis and electrochemical energy storage. Journal of Materials Chemistry A, 2021, 9, 3880-3917.	5.2	117
101	In Situ Synthesis of MOFâ€74 Family for High Areal Energy Density of Aqueous Nickelâ€“Zinc Batteries. Advanced Materials, 2022, 34, e2201779.	11.1	117
102	Tungstenâ€Based Materials for Lithiumâ€Ion Batteries. Advanced Functional Materials, 2018, 28, 1707500.	7.8	114
103	Few-layered CoHPO4Â·3H2O ultrathin nanosheets for high performance of electrode materials for supercapacitors. Nanoscale, 2013, 5, 5752.	2.8	113
104	Coreâ€“shell-type ZIF-8@ZIF-67@POM hybrids as efficient electrocatalysts for the oxygen evolution reaction. Inorganic Chemistry Frontiers, 2019, 6, 2514-2520.	3.0	113
105	A novel strategy for the synthesis of highly stable ternary SiO_x composites for Li-ion-battery anodes. Journal of Materials Chemistry A, 2019, 7, 15969-15974.	5.2	112
106	Fabrication of Metal Molybdate Micro/Nanomaterials for Electrochemical Energy Storage. Small, 2017, 13, 1700917.	5.2	110
107	Facile synthesis of polypyrrole nanowires for high-performance supercapacitor electrode materials. Progress in Natural Science: Materials International, 2016, 26, 237-242.	1.8	109
108	Bandgap engineering of ultrathin graphene-like carbon nitride nanosheets with controllable oxygenous functionalization. Carbon, 2017, 113, 63-75.	5.4	109

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109	When Conductive MOFs Meet MnO₂: High Electrochemical Energy Storage Performance in an Aqueous Asymmetric Supercapacitor. ACS Applied Materials & Interfaces, 2021, 13, 33083-33090.	4.0	109
110	Nanostructured Germanium Anode Materials for Advanced Rechargeable Batteries. Advanced Materials Interfaces, 2017, 4, 1600798.	1.9	107
111	Advanced batteries based on manganese dioxide and its composites. Energy Storage Materials, 2018, 12, 284-309.	9.5	107
112	Self-sacrificed synthesis of conductive vanadium-based Metalâ€“Organic framework nanowire-bundle arrays as binder-free cathodes for high-rate and high-energy-density wearable Zn-Ion batteries. Nano Energy, 2019, 64, 103935.	8.2	107
113	Facile Synthesis of Ultrathin Nickelâ€“Cobalt Phosphate 2D Nanosheets with Enhanced Electrocatalytic Activity for Glucose Oxidation. ACS Applied Materials & Interfaces, 2018, 10, 2360-2367.	4.0	106
114	Non-noble metal-transition metal oxide materials for electrochemical energy storage. Energy Storage Materials, 2018, 15, 171-201.	9.5	104
115	Anchoring ZIF-67 particles on amidoximerized polyacrylonitrile fibers for radionuclide sequestration in wastewater and seawater. Journal of Hazardous Materials, 2020, 395, 122692.	6.5	104
116	Exposing {001} Crystal Plane on Hexagonal Niâ€MOF with Surfaceâ€Grown Crossâ€Linked Meshâ€Structures for Electrochemical Energy Storage. Small, 2019, 15, e1902463.	5.2	103
117	Interpenetrated structures appeared in supramolecular cages, MOFs, COFs. Coordination Chemistry Reviews, 2019, 389, 119-140.	9.5	103
118	Metal/Graphitic Carbon Nitride Composites: Synthesis, Structures, and Applications. Chemistry - an Asian Journal, 2016, 11, 3305-3328.	1.7	102
119	Ultrathin nanosheet-assembled [Ni₃(OH)₂(PTA)₂(H₂O)₄]Â·2H₂O hierarchical flowers for high-performance electrocatalysis of glucose oxidation reactions. Nanoscale, 2018, 10, 13270-13276.	2.8	102
120	Selective synthesis of nickel oxide nanowires and length effect on their electrochemical properties. Nanoscale, 2010, 2, 920.	2.8	100
121	A Honeycombâ€Like Bulk Superstructure of Carbon Nanosheets for Electrocatalysis and Energy Storage. Angewandte Chemie - International Edition, 2020, 59, 19627-19632.	7.2	100
122	Potassium cobalt hexacyanoferrate nanocubic assemblies for high-performance aqueous aluminum ion batteries. Chemical Engineering Journal, 2020, 382, 122853.	6.6	99
123	MXeneâ€Copper/Cobalt Hybrids via Lewis Acidic Molten Salts Etching for High Performance Symmetric Supercapacitors. Angewandte Chemie, 2021, 133, 25522-25526.	1.6	99
124	Facile synthesis and shape evolution of well-defined phosphotungstic acid potassium nanocrystals as a highly efficient visible-light-driven photocatalyst. Nanoscale, 2017, 9, 216-222.	2.8	98
125	Current Advances in Semiconductor Nanomaterialâ€Based Photoelectrochemical Biosensing. Chemistry - A European Journal, 2018, 24, 14010-14027.	1.7	97
126	Cobalt based metal-organic frameworks and their derivatives for electrochemical energy conversion and storage. Chemical Engineering Journal, 2019, 370, 37-59.	6.6	96

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127	Copper-based nanostructures: promising antibacterial agents and photocatalysts. Chemical Communications, 2009, , 3571.	2.2	95
128	Uniform manganese hexacyanoferrate hydrate nanocubes featuring superior performance for low-cost supercapacitors and nonenzymatic electrochemical sensors. Nanoscale, 2015, 7, 16012-16019.	2.8	95
129	Si-based materials derived from biomass: synthesis and applications in electrochemical energy storage. Journal of Materials Chemistry A, 2019, 7, 22123-22147.	5.2	95
130	Ï€â€Conjugated Molecule Boosts Metalâ€“Organic Frameworks as Efficient Oxygen Evolution Reaction Catalysts. Small, 2018, 14, e1803576.	5.2	94
131	A multifunctional self-healing G-PyB/KCl hydrogel: smart conductive, rapid room-temperature phase-selective gelation, and ultrasensitive detection of alpha-fetoprotein. Chemical Communications, 2019, 55, 7922-7925.	2.2	94
132	Applications of Metalâ€Organic Frameworks in Water Treatment: A Review. Small, 2022, 18, e2105715.	5.2	94
133	Porous nanocubic Mn3O4â€“Co3O4 composites and their application as electrochemical supercapacitors. Dalton Transactions, 2012, 41, 10175.	1.6	93
134	Comparison of NiS₂ and Î±-NiS hollow spheres for supercapacitors, non-enzymatic glucose sensors and water treatment. Dalton Transactions, 2015, 44, 17278-17285.	1.6	93
135	Hollow Structural Transition Metal Oxide for AdvancedÂSupercapacitors. Advanced Materials Interfaces, 2018, 5, 1701509.	1.9	93
136	Polyoxometalate-based materials for advanced electrochemical energy conversion and storage. Chemical Engineering Journal, 2018, 351, 441-461.	6.6	93
137	Porous nickel oxide nanospindles with huge specific capacitance and long-life cycle. RSC Advances, 2012, 2, 2257.	1.7	90
138	Hierarchically nanostructured transition metal oxides for supercapacitors. Science China Materials, 2018, 61, 185-209.	3.5	90
139	Transition metal (Fe, Co, Ni) fluoride-based materials for electrochemical energy storage. Nanoscale Horizons, 2019, 4, 99-116.	4.1	90
140	Ultrasensitive electrochemical detection of H2O2 in living cells based on ultrathin MnO2 nanosheets. Sensors and Actuators B: Chemical, 2017, 252, 72-78.	4.0	89
141	Hierarchical ZnO Nanorod-Assembled Hollow Superstructures for Catalytic and Photoluminescence Applications. Crystal Growth and Design, 2010, 10, 40-43.	1.4	88
142	Facile synthesis of amorphous aluminum vanadate hierarchical microspheres for supercapacitors. Inorganic Chemistry Frontiers, 2016, 3, 791-797.	3.0	88
143	Catalysis within coordination cages. Coordination Chemistry Reviews, 2021, 430, 213656.	9.5	88
144	NiS Hollow Spheres for Highâ€Performance Supercapacitors and Nonâ€Enzymatic Glucose Sensors. Chemistry - an Asian Journal, 2015, 10, 679-686.	1.7	87

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145	Isolated Fe Single Atomic Sites Anchored on Highly Steady Hollow Graphene Nanospheres as an Efficient Electrocatalyst for the Oxygen Reduction Reaction. Advanced Science, 2019, 6, 1801103.	5.6	87
146	Copolymer derived micro/meso-porous carbon nanofibers with vacancy-type defects for high-performance supercapacitors. Journal of Materials Chemistry A, 2020, 8, 2463-2471.	5.2	86
147	Quasi-ZIF-67 for Boosted Oxygen Evolution Reaction Catalytic Activity via a Low Temperature Calcination. ACS Applied Materials & Interfaces, 2020, 12, 25037-25041.	4.0	86
148	Metalâ€Organic Frameworks Nanocomposites with Different Dimensionalities for Energy Conversion and Storage. Advanced Energy Materials, 2022, 12, 2100346.	10.2	86
149	Pillared-layer Ni-MOF nanosheets anchored on Ti3C2 MXene for enhanced electrochemical energy storage. Journal of Colloid and Interface Science, 2022, 614, 130-137.	5.0	86
150	Cobalt phosphite microarchitectures assembled by ultralong nanoribbons and their application as effective electrochemical capacitor electrode materials. Nanoscale, 2013, 5, 503-507.	2.8	85
151	MoS2/graphene composites: Fabrication and electrochemical energy storage. Energy Storage Materials, 2020, 33, 470-502.	9.5	85
152	Two-Dimensional Î²-MnO2 Nanowire Network with Enhanced Electrochemical Capacitance. Scientific Reports, 2013, 3, 2193.	1.6	83
153	Copper metalâ€“organic framework nanocrystal for plane effect nonenzymatic electro-catalytic activity of glucose. Nanoscale, 2014, 6, 10989-10994.	2.8	82
154	Sodiumâ€Doped Mesoporous Ni₂P₂O₇ Hexagonal Tablets for Highâ€Performance Flexible Allâ€Solidâ€State Hybrid Supercapacitors. Chemistry - an Asian Journal, 2015, 10, 1731-1737.	1.7	80
155	A new strategy for the controllable growth of MOF@PBA architectures. Journal of Materials Chemistry A, 2019, 7, 17266-17271.	5.2	80
156	PBA composites and their derivatives in energy and environmental applications. Coordination Chemistry Reviews, 2022, 451, 214260.	9.5	80
157	1D Co2.18Ni0.82Si2O5(OH)4 architectures assembled by ultrathin nanoflakes for high-performance flexible solid-state asymmetric supercapacitors. Journal of Power Sources, 2015, 285, 385-392.	4.0	79
158	Ultrathin Cu-MOF@Î´-MnO₂ nanosheets for aqueous electrolyte-based high-voltage electrochemical capacitors. Journal of Materials Chemistry A, 2018, 6, 17329-17336.	5.2	79
159	Clean utilization of palm kernel shell: sustainable and naturally heteroatom-doped porous activated carbon for lithiumâ€“sulfur batteries. Rare Metals, 2020, 39, 1099-1106.	3.6	79
160	Synthesis of copper(ii) coordination polymers and conversion into CuO nanostructures with good photocatalytic, antibacterial and lithium ion battery performances. Journal of Materials Chemistry, 2012, 22, 12609.	6.7	78
161	Dual anode materials for lithium- and sodium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 4236-4259.	5.2	78
162	Chestnut shell-like Li4Ti5O12 hollow spheres for high-performance aqueous asymmetric supercapacitors. Chemical Engineering Journal, 2018, 332, 253-259.	6.6	78

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163	Applications of MxSey (Mâ€‰=â€‰Fe, Co, Ni) and Their Composites in Electrochemical Energy Storage and Conversion. Nano-Micro Letters, 2019, 11, 40.	14.4	78
164	Pristine Transitionâ€Metalâ€Based Metalâ€Organic Frameworks for Electrocatalysis. ChemElectroChem, 2019, 6, 1273-1299.	1.7	78
165	Synthesis of â€œQuasi-Ce-MOFâ€•Electrocatalysts for Enhanced Urea Oxidation Reaction Performance. ACS Sustainable Chemistry and Engineering, 2020, 8, 8675-8680.	3.2	78
166	Synthesis of confining cobalt nanoparticles within SiO /nitrogen-doped carbon framework derived from sustainable bamboo leaves as oxygen electrocatalysts for rechargeable Zn-air batteries. Chemical Engineering Journal, 2020, 401, 126005.	6.6	75
167	Ultrathin Nanobelts as an Excellent Bifunctional Oxygen Catalyst: Insight into the Subtle Changes in Structure and Synergistic Effects of Bimetallic Metalâ€“Organic Framework. Small Methods, 2018, 2, 1800240.	4.6	73
168	Vanadium sulfide based materials: synthesis, energy storage and conversion. Journal of Materials Chemistry A, 2020, 8, 20781-20802.	5.2	73
169	Fabrication of novel comb-like Cu2O nanorod-based structures through an interface etching method and their application as ethanol sensors. Chemical Communications, 2010, 46, 7022.	2.2	72
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