Jun Chen

List of Publications by Year
in descending order

618 papers	89,258 citations	172 154 h-index	451 273 g-index
652 all docs	652 docs citations	652 times ranked	48541 citing authors

#	Article	IF	Citations
1	Metalâ€“air batteries: from oxygen reduction electrochemistry to cathode catalysts. Chemical Society Reviews, 2012, 41, 2172.	38.1	2,322
2	?-Fe2O3 Nanotubes in Gas Sensor and Lithium-Ion Battery Applications. Advanced Materials, 2005, 17, 582-586.	21.0	1,564
3	Cation-Deficient Spinel ZnMn₂O₄ Cathode in Zn(CF₃SO₃)₂ Electrolyte for Rechargeable Aqueous Zn-Ion Battery. Journal of the American Chemical Society, 2016, 138, 12894-12901.	13.7	1,451
4	Functional Materials for Rechargeable Batteries. Advanced Materials, 2011, 23, 1695-1715.	21.0	1,419
5	Rechargeable aqueous zinc-manganese dioxide batteries with high energy and power densities. Nature Communications, 2017, 8, 405.	12.8	1,224
6	Rapid room-temperature synthesis of nanocrystalline spinels as oxygen reduction and evolution electrocatalysts. Nature Chemistry, 2011, 3, 79-84.	13.6	1,183
7	Aqueous rechargeable zinc/sodium vanadate batteries with enhanced performance from simultaneous insertion of dual carriers. Nature Communications, 2018, 9, 1656.	12.8	1,162
8	Spinels: Controlled Preparation, Oxygen Reduction/Evolution Reaction Application, and Beyond. Chemical Reviews, 2017, 117, 10121-10211.	47.7	1,157
9	Co3O4 Nanomaterials in Lithium-Ion Batteries and Gas Sensors. Advanced Functional Materials, 2005, 15, 851-857.	14.9	1,138
10	Organic Electrode Materials for Rechargeable Lithium Batteries. Advanced Energy Materials, 2012, 2, 742-769.	19.5	1,125
11	Arylamine organic dyes for dye-sensitized solar cells. Chemical Society Reviews, 2013, 42, 3453.	38.1	1,011
12	Selfâ€Supported Transitionâ€Metalâ€Based Electrocatalysts for Hydrogen and Oxygen Evolution. Advanced Materials, 2020, 32, e1806326.	21.0	986
13	Defect Graphene as a Trifunctional Catalyst for Electrochemical Reactions. Advanced Materials, 2016, 28, 9532-9538.	21.0	961
14	Nanoporous Graphitic-C₃N₄@Carbon Metal-Free Electrocatalysts for Highly Efficient Oxygen Reduction. Journal of the American Chemical Society, 2011, 133, 20116-20119.	13.7	958
15	Recent Advances and Prospects of Cathode Materials for Sodiumâ€Ion Batteries. Advanced Materials, 2015, 27, 5343-5364.	21.0	915
16	Materials chemistry for rechargeable zinc-ion batteries. Chemical Society Reviews, 2020, 49, 4203-4219.	38.1	787
17	Ultrathin, flexible, solid polymer composite electrolyte enabled with aligned nanoporous host for lithium batteries. Nature Nanotechnology, 2019, 14, 705-711.	31.5	773
18	Prospects of organic electrode materials for practical lithium batteries. Nature Reviews Chemistry, 2020, 4, 127-142.	30.2	772

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19	A Leavening Strategy to Prepare Reduced Graphene Oxide Foams. Advanced Materials, 2012, 24, 4144-4150.	21.0	765
20	Nanostructured Mn-based oxides for electrochemical energy storage and conversion. Chemical Society Reviews, 2015, 44, 699-728.	38.1	740
21	High-capacity aqueous zinc batteries using sustainable quinone electrodes. Science Advances, 2018, 4, eaao1761.	10.3	716
22	MnO₂-Based Nanostructures as Catalysts for Electrochemical Oxygen Reduction in Alkaline Media. Chemistry of Materials, 2010, 22, 898-905.	6.7	679
23	MoS₂ Nanoflowers with Expanded Interlayers as Highâ€Performance Anodes for Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2014, 53, 12794-12798.	13.8	670
24	Pyrite FeS₂for high-rate and long-life rechargeable sodium batteries. Energy and Environmental Science, 2015, 8, 1309-1316.	30.8	628
25	Enhancing Electrocatalytic Oxygen Reduction on MnO₂ with Vacancies. Angewandte Chemie - International Edition, 2013, 52, 2474-2477.	13.8	623
26	Facile Oxygen Reduction on a Threeâ€Dimensionally Ordered Macroporous Graphitic C₃N₄/Carbon Composite Electrocatalyst. Angewandte Chemie - International Edition, 2012, 51, 3892-3896.	13.8	588
27	FeSe₂ Microspheres as a Highâ€Performance Anode Material for Naâ€Ion Batteries. Advanced Materials, 2015, 27, 3305-3309.	21.0	581
28	Ultrasmall Sn Nanoparticles Embedded in Nitrogen-Doped Porous Carbon As High-Performance Anode for Lithium-Ion Batteries. Nano Letters, 2014, 14, 153-157.	9.1	538
29	Tin Nanodots Encapsulated in Porous Nitrogenâ€Doped Carbon Nanofibers as a Freeâ€Standing Anode for Advanced Sodiumâ€Ion Batteries. Advanced Materials, 2015, 27, 6702-6707.	21.0	534
30	Design Strategies toward Enhancing the Performance of Organic Electrode Materials in Metal-Ion Batteries. CheM, 2018, 4, 2786-2813.	11.7	517
31	Template-Directed Materials for Rechargeable Lithium-Ion Batteries. Chemistry of Materials, 2008, 20, 667-681.	6.7	507
32	Phase and composition controllable synthesis of cobalt manganese spinel nanoparticles towards efficient oxygen electrocatalysis. Nature Communications, 2015, 6, 7345.	12.8	500
33	Ultrasmall Sn Nanoparticles Embedded in Carbon as Highâ€Performance Anode for Sodiumâ€Ion Batteries. Advanced Functional Materials, 2015, 25, 214-220.	14.9	498
34	Unconventional supercapacitors from nanocarbon-based electrode materials to device configurations. Chemical Society Reviews, 2016, 45, 4340-4363.	38.1	480
35	Rechargeable Mg Batteries with Grapheneâ€like MoS₂ Cathode and Ultrasmall Mg Nanoparticle Anode. Advanced Materials, 2011, 23, 640-643.	21.0	474
36	Facile Controlled Synthesis of MnO2Nanostructures of Novel Shapes and Their Application in Batteries. Inorganic Chemistry, 2006, 45, 2038-2044.	4.0	473

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37	Urchinâ€Like CoSe₂ as a Highâ€Performance Anode Material for Sodiumâ€Ion Batteries. Advanced Functional Materials, 2016, 26, 6728-6735.	14.9	471
38	An Aqueous Rechargeable Zincâ€Organic Battery with Hybrid Mechanism. Advanced Functional Materials, 2018, 28, 1804975.	14.9	462
39	Nestâ€like Silicon Nanospheres for Highâ€Capacity Lithium Storage. Advanced Materials, 2007, 19, 4067-4070.	21.0	455
40	Combination of Lightweight Elements and Nanostructured Materials for Batteries. Accounts of Chemical Research, 2009, 42, 713-723.	15.6	454
41	Largeâ€Area Carbon Nanosheets Doped with Phosphorus: A Highâ€Performance Anode Material for Sodiumâ€Ion Batteries. Advanced Science, 2017, 4, 1600243.	11.2	450
42	A Porous Network of Bismuth Used as the Anode Material for Highâ€Energyâ€Density Potassiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2018, 57, 4687-4691.	13.8	448
43	Single Nickel Atoms on Nitrogenâ€Doped Graphene Enabling Enhanced Kinetics of Lithiumâ€“Sulfur Batteries. Advanced Materials, 2019, 31, e1903955.	21.0	447
44	Advanced Organic Electrode Materials for Rechargeable Sodiumâ€Ion Batteries. Advanced Energy Materials, 2017, 7, 1601792.	19.5	438
45	Recent Developments on and Prospects for Electrode Materials with Hierarchical Structures for Lithiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1701415.	19.5	436
46	A Microporous Covalentâ€“Organic Framework with Abundant Accessible Carbonyl Groups for Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2018, 57, 9443-9446.	13.8	431
47	Modulating electrolyte structure for ultralow temperature aqueous zinc batteries. Nature Communications, 2020, 11, 4463.	12.8	431
48	Advances and Challenges for the Electrochemical Reduction of CO₂ to CO: From Fundamentals to Industrialization. Angewandte Chemie - International Edition, 2021, 60, 20627-20648.	13.8	408
49	Electrochemical Hydrogen Storage in MoS2Nanotubes. Journal of the American Chemical Society, 2001, 123, 11813-11814.	13.7	398
50	Shape-Controlled Synthesis of Ternary Chalcogenide ZnIn2S4and CuIn(S,Se)2Nano-/Microstructures via Facile Solution Route. Journal of the American Chemical Society, 2006, 128, 7222-7229.	13.7	397
51	Cobaltâ€Doped FeS₂ Nanospheres with Complete Solid Solubility as a Highâ€Performance Anode Material for Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2016, 55, 12822-12826.	13.8	394
52	High K-storage performance based on the synergy of dipotassium terephthalate and ether-based electrolytes. Energy and Environmental Science, 2017, 10, 552-557.	30.8	391
53	CoS Quantum Dot Nanoclusters for Highâ€Energy Potassiumâ€Ion Batteries. Advanced Functional Materials, 2017, 27, 1702634.	14.9	391
54	All-Solid-State Lithium Organic Battery with Composite Polymer Electrolyte and Pillar[5]quinone Cathode. Journal of the American Chemical Society, 2014, 136, 16461-16464.	13.7	375

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55	Magnesiumâ€“air batteries: from principle to application. Materials Horizons, 2014, 1, 196-206.	12.2	371
56	New Triphenylamine-Based Organic Dyes for Efficient Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2007, 111, 4465-4472.	3.1	366
57	All Organic Sodiumâ€Ion Batteries with Na₄C₈H₂O₆. Angewandte Chemie - International Edition, 2014, 53, 5892-5896.	13.8	363
58	Function-oriented design of conjugated carbonyl compound electrodes for high energy lithium batteries. Chemical Science, 2013, 4, 1330.	7.4	355
59	Organic Li₄C₈H₂O₆ Nanosheets for Lithium-Ion Batteries. Nano Letters, 2013, 13, 4404-4409.	9.1	352
60	Ni1-xPtx (x = 0â^'0.12) Hollow Spheres as Catalysts for Hydrogen Generation from Ammonia Borane. Inorganic Chemistry, 2007, 46, 788-794.	4.0	350
61	Fabrication of Spinel One-Dimensional Architectures by Single-Spinneret Electrospinning for Energy Storage Applications. ACS Nano, 2015, 9, 1945-1954.	14.6	349
62	Na₃V₂(PO₄)₃@C coreâ€“shell nanocomposites for rechargeable sodium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 8668-8675.	10.3	348
63	MnFe₂O₄@C Nanofibers as High-Performance Anode for Sodium-Ion Batteries. Nano Letters, 2016, 16, 3321-3328.	9.1	348
64	Electrolyte and Interface Engineering for Solid-State Sodium Batteries. Joule, 2018, 2, 1747-1770.	24.0	346
65	Bulk Bismuth as a Highâ€Capacity and Ultralong Cycleâ€Life Anode for Sodiumâ€Ion Batteries by Coupling with Glymeâ€Based Electrolytes. Advanced Materials, 2017, 29, 1702212.	21.0	343
66	Anion insertion enhanced electrodeposition of robust metal hydroxide/oxide electrodes for oxygen evolution. Nature Communications, 2018, 9, 2373.	12.8	336
67	New Triphenylamine-Based Dyes for Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2008, 112, 874-880.	3.1	334
68	Multi-functional electrospun nanofibres for advances in tissue regeneration, energy conversion & storage, and water treatment. Chemical Society Reviews, 2016, 45, 1225-1241.	38.1	325
69	Reversible Oxygen Redox Chemistry in Aqueous Zincâ€Ion Batteries. Angewandte Chemie - International Edition, 2019, 58, 7062-7067.	13.8	321
70	3D Porous Î³â€Fe₂O₃@C Nanocomposite as Highâ€Performance Anode Material of Naâ€Ion Batteries. Advanced Energy Materials, 2015, 5, 1401123.	19.5	320
71	A â€œskeleton/skinâ€•strategy for preparing ultrathin free-standing single-walled carbon nanotube/polyaniline films for high performance supercapacitor electrodes. Energy and Environmental Science, 2012, 5, 8726.	30.8	312
72	A Selfâ€Healing Integrated Allâ€inâ€One Zincâ€Ion Battery. Angewandte Chemie - International Edition, 2019, 58, 4313-4317.	13.8	311

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73	Compact-designed supercapacitors using free-standing single-walled carbon nanotube films. Energy and Environmental Science, 2011, 4, 1440.	30.8	310
74	MoS₂ Nanoflowers with Expanded Interlayers as Highâ€Performance Anodes for Sodiumâ€Ion Batteries. Angewandte Chemie, 2014, 126, 13008-13012.	2.0	310
75	A Flexible Nanostructured Paper of a Reduced Graphene Oxideâ€“Sulfur Composite for Highâ€Performance Lithiumâ€“Sulfur Batteries with Unconventional Configurations. Advanced Materials, 2016, 28, 9629-9636.	21.0	308
76	Shape-controlled synthesis and lithium-storage study of metal-organic frameworks Zn4O(1,3,5-benzenetribenzoate)2. Journal of Power Sources, 2006, 160, 542-547.	7.8	301
77	High-Power Alkaline Zn-MnO2 Batteries Using Î³-MnO2 Nanowires/Nanotubes and Electrolytic Zinc Powder. Advanced Materials, 2005, 17, 2753-2756.	21.0	295
78	Magnesium Nanowires:Â Enhanced Kinetics for Hydrogen Absorption and Desorption. Journal of the American Chemical Society, 2007, 129, 6710-6711.	13.7	294
79	Fused Heteroaromatic Organic Compounds for Highâ€Power Electrodes of Rechargeable Lithium Batteries. Advanced Energy Materials, 2013, 3, 600-605.	19.5	293
80	Reversible Hydrogen Storage via Titanium-Catalyzed LiAlH4 and Li3AlH6. Journal of Physical Chemistry B, 2001, 105, 11214-11220.	2.6	289
81	Development of MoS₂â€“CNT Composite Thin Film from Layered MoS₂ for Lithium Batteries. Advanced Energy Materials, 2013, 3, 798-805.	19.5	282
82	Î±-CuV₂O₆ Nanowires: Hydrothermal Synthesis and Primary Lithium Battery Application. Journal of the American Chemical Society, 2008, 130, 5361-5367.	13.7	281
83	Porous Multishelled Ni₂P Hollow Microspheres as an Active Electrocatalyst for Hydrogen and Oxygen Evolution. Chemistry of Materials, 2017, 29, 8539-8547.	6.7	279
84	Nitrogen-rich covalent organic frameworks with multiple carbonyls for high-performance sodium batteries. Nature Communications, 2020, 11, 178.	12.8	279
85	Aqueous Batteries Operated at â^'50â€‰Â°C. Angewandte Chemie - International Edition, 2019, 58, 16994-16999	13.8	277
86	Quasiâ€Solidâ€State Rechargeable Lithiumâ€Ion Batteries with a Calix[4]quinone Cathode and Gel Polymer Electrolyte. Angewandte Chemie - International Edition, 2013, 52, 9162-9166.	13.8	271
87	Cobaltâ€Doped FeS₂ Nanospheres with Complete Solid Solubility as a Highâ€Performance Anode Material for Sodiumâ€Ion Batteries. Angewandte Chemie, 2016, 128, 13014-13018.	2.0	268
88	Advanced nanostructured carbon-based materials for rechargeable lithium-sulfur batteries. Carbon, 2019, 141, 400-416.	10.3	268
89	Porous LiMn2O4 nanorods with durable high-rate capability for rechargeable Li-ion batteries. Energy and Environmental Science, 2011, 4, 3668.	30.8	264
90	Fundamental and solutions of microcrack in Ni-rich layered oxide cathode materials of lithium-ion batteries. Nano Energy, 2021, 83, 105854.	16.0	264

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91	LiNi_{0.5}Mn_{1.5}O₄ Porous Nanorods as High-Rate and Long-Life Cathodes for Li-Ion Batteries. Nano Letters, 2013, 13, 2822-2825.	9.1	257
92	Electrodeposition synthesis and electrochemical properties of nanostructured Î³-MnO2 films. Journal of Power Sources, 2006, 162, 727-734.	7.8	253
93	Cobalt Sulfide Nanosheet/Graphene/Carbon Nanotube Nanocomposites as Flexible Electrodes for Hydrogen Evolution. Angewandte Chemie - International Edition, 2014, 53, 12594-12599.	13.8	252
94	Cyclohexanehexone with Ultrahigh Capacity as Cathode Materials for Lithiumâ€ion Batteries. Angewandte Chemie - International Edition, 2019, 58, 7020-7024.	13.8	252
95	Structural and chemical synergistic effect of CoS nanoparticles and porous carbon nanorods for high-performance sodium storage. Nano Energy, 2017, 35, 281-289.	16.0	247
96	Molecular Engineering with Organic Carbonyl Electrode Materials for Advanced Stationary and Redox Flow Rechargeable Batteries. Advanced Materials, 2017, 29, 1607007.	21.0	247
97	Highly stable and ultrafast electrode reaction of graphite for sodium ion batteries. Journal of Power Sources, 2015, 293, 626-634.	7.8	245
98	Hydrogenated Uniform Pt Clusters Supported on Porous CaMnO₃ as a Bifunctional Electrocatalyst for Enhanced Oxygen Reduction and Evolution. Advanced Materials, 2014, 26, 2047-2051.	21.0	244
99	A graphene-like MoS₂/graphene nanocomposite as a highperformance anode for lithium ion batteries. Journal of Materials Chemistry A, 2014, 2, 13109-13115.	10.3	238
100	Oxocarbon Salts for Fast Rechargeable Batteries. Angewandte Chemie - International Edition, 2016, 55, 12528-12532.	13.8	238
101	Porous CuO nanowires as the anode of rechargeable Na-ion batteries. Nano Research, 2014, 7, 199-208.	10.4	233
102	TiS2 nanotubes as the cathode materials of Mg-ion batteries. Chemical Communications, 2004, , 2080.	4.1	232
103	Composite of sulfur impregnated in porous hollow carbon spheres as the cathode of Li-S batteries with high performance. Nano Research, 2013, 6, 38-46.	10.4	232
104	Porous V2O5 nanofibers as cathode materials for rechargeable aqueous zinc-ion batteries. Journal of Energy Chemistry, 2019, 38, 20-25.	12.9	225
105	Nickel Hydroxide as an Active Material for the Positive Electrode in Rechargeable Alkaline Batteries. Journal of the Electrochemical Society, 1999, 146, 3606-3612.	2.9	223
106	Improved hydrogen generation from alkaline NaBH4NaBH4 solution using carbon-supported Coâ€“BCoâ€“B as catalysts. International Journal of Hydrogen Energy, 2007, 32, 4711-4716.	7.1	223
107	First exploration of Na-ion migration pathways in the NASICON structure Na3V2(PO4)3. Journal of Materials Chemistry A, 2014, 2, 5358.	10.3	222
108	A chemically self-charging aqueous zinc-ion battery. Nature Communications, 2020, 11, 2199.	12.8	221

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109	Carbon nanotube architectures as catalyst supports for proton exchange membrane fuel cells. Energy and Environmental Science, 2010, 3, 1286.	30.8	218
110	One-Dimensional Rod-Like Sb₂S₃-Based Anode for High-Performance Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 19362-19369.	8.0	218
111	Highly Compressible and Allâ€Solidâ€State Supercapacitors Based on Nanostructured Composite Sponge. Advanced Materials, 2015, 27, 6002-6008.	21.0	217
112	Enhanced Electrochemical Kinetics and Polysulfide Traps of Indium Nitride for Highly Stable Lithiumâ€“Sulfur Batteries. ACS Nano, 2018, 12, 9578-9586.	14.6	217
113	Ni(OH)2 Tubes with Mesoscale Dimensions as Positive-Electrode Materials of Alkaline Rechargeable Batteries. Angewandte Chemie - International Edition, 2004, 43, 4212-4216.	13.8	215
114	CuO particles and plates: Synthesis and gas-sensor application. Materials Research Bulletin, 2008, 43, 2380-2385.	5.2	214
115	Template-Synthesized LiCoO2, LiMn2O4, and LiNi0.8Co0.2O2Nanotubes as the Cathode Materials of Lithium Ion Batteries. Journal of Physical Chemistry B, 2005, 109, 14017-14024.	2.6	209
116	Vapor-Transportation Preparation and Reversible Lithium Intercalation/Deintercalation of Î±-MoO3Microrods. Journal of Physical Chemistry B, 2006, 110, 119-124.	2.6	206
117	Transition metal vanadium oxides and vanadate materials for lithium batteries. Journal of Materials Chemistry, 2011, 21, 9841.	6.7	205
118	Nonstoichiometric Perovskite CaMnO_{3â^Î´} for Oxygen Electrocatalysis with High Activity. Inorganic Chemistry, 2014, 53, 9106-9114.	4.0	202
119	Rechargeable Roomâ€Temperature Naâ€“CO₂ Batteries. Angewandte Chemie - International Edition, 2016, 55, 6482-6486.	13.8	202
120	Compositional effects of PEDOT-PSS/single walled carbon nanotube films on supercapacitor device performance. Journal of Materials Chemistry, 2011, 21, 15987.	6.7	201
121	Rechargeable Lithium-Iodine Batteries with Iodine/Nanoporous Carbon Cathode. Nano Letters, 2015, 15, 5982-5987.	9.1	201
122	Stabilizing nickel-rich layered oxide cathodes by magnesium doping for rechargeable lithium-ion batteries. Chemical Science, 2019, 10, 1374-1379.	7.4	201
123	Electrospun Thin-Walled CuCo₂O₄@C Nanotubes as Bifunctional Oxygen Electrocatalysts for Rechargeable Znâ€“Air Batteries. Nano Letters, 2017, 17, 7989-7994.	9.1	199
124	Integrated Carbon/Red Phosphorus/Graphene Aerogel 3D Architecture via Advanced Vaporâ€Redistribution for Highâ€Energy Sodiumâ€Ion Batteries. Advanced Energy Materials, 2016, 6, 1601037.	19.5	198
125	Investigation of effects of carbon coating on the electrochemical performance of Li4Ti5O12/C nanocomposites. Journal of Materials Chemistry A, 2013, 1, 9484.	10.3	194
126	Quasiâ€“solid state rechargeable Na-CO ₂ batteries with reduced graphene oxide Na anodes. Science Advances, 2017, 3, e1602396.	10.3	193

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127	Titanium Disulfide Nanotubes as Hydrogen-Storage Materials. Journal of the American Chemical Society, 2003, 125, 5284-5285.	13.7	192
128	Facile Spraying Synthesis and Highâ€Performance Sodium Storage of Mesoporous MoS₂/C Microspheres. Advanced Functional Materials, 2016, 26, 911-918.	14.9	189
129	A Sulfur Heterocyclic Quinone Cathode and a Multifunctional Binder for a Highâ€Performance Rechargeable Lithiumâ€Ion Battery. Angewandte Chemie - International Edition, 2016, 55, 6428-6432.	13.8	183
130	Tuning local chemistry of P2 layered-oxide cathode for high energy and long cycles of sodium-ion battery. Nature Communications, 2021, 12, 2256.	12.8	183
131	SnO2 nanoparticles@polypyrrole nanowires composite as anode materials for rechargeable lithium-ion batteries. Journal of Power Sources, 2011, 196, 2195-2201.	7.8	180
132	Designing Anionâ€Type Waterâ€Free Zn²⁺ Solvation Structure for Robust Zn Metal Anode. Angewandte Chemie - International Edition, 2021, 60, 23357-23364.	13.8	179
133	Facile Synthesis of Nanoporous Î³-MnO₂ Structures and Their Application in Rechargeable Li-Ion Batteries. Crystal Growth and Design, 2008, 8, 2799-2805.	3.0	178
134	Ag Nanowires Coated with Ag/Pd Alloy Sheaths and Their Use as Substrates for Reversible Absorption and Desorption of Hydrogen. Journal of the American Chemical Society, 2004, 126, 5940-5941.	13.7	177
135	An Insoluble Benzoquinoneâ€Based Organic Cathode for Use in Rechargeable Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2017, 56, 12561-12565.	13.8	177
136	Intercalation pseudocapacitance in flexible and self-standing V2O3 porous nanofibers for high-rate and ultra-stable K ion storage. Nano Energy, 2018, 50, 462-467.	16.0	177
137	Sulfur Nanodots Electrodeposited on Ni Foam as High-Performance Cathode for Liâ€“S Batteries. Nano Letters, 2015, 15, 721-726.	9.1	175
138	Freestanding carbon fiber cloth/sulfur composites for flexible room-temperature sodium-sulfur batteries. Energy Storage Materials, 2017, 8, 77-84.	18.0	175
139	A quantum-chemical study on the discharge reaction mechanism of lithium-sulfur batteries. Journal of Energy Chemistry, 2013, 22, 72-77.	12.9	174
140	Recent breakthroughs and perspectives of high-energy layered oxide cathode materials for lithium ion batteries. Materials Today, 2021, 43, 132-165.	14.2	174
141	Porous Li2FeSiO4/C nanocomposite as the cathode material of lithium-ion batteries. Journal of Power Sources, 2012, 198, 229-235.	7.8	173
142	High-performance rechargeable aqueous Zn-ion batteries with a poly(benzoquinonyl sulfide) cathode. Inorganic Chemistry Frontiers, 2018, 5, 1391-1396.	6.0	173
143	ZnFe2O4 tubes: Synthesis and application to gas sensors with high sensitivity and low-energy consumption. Sensors and Actuators B: Chemical, 2007, 120, 403-410.	7.8	172
144	Conducting Poly(aniline) Nanotubes and Nanofibers: Controlled Synthesis and Application in Lithium/Poly(aniline) Rechargeable Batteries. Chemistry - A European Journal, 2006, 12, 3082-3088.	3.3	171

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145	Grapheneâ€Based Nanomaterials for Sodiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1702469.	19.5	170
146	Synthesis of open-ended MoS2 nanotubes and the application as the catalyst of methanation. Chemical Communications, 2002, , 1722-1723.	4.1	168
147	Hydriding properties of LaNi3 and CaNi3 and their substitutes with PuNi3-type structure. Journal of Alloys and Compounds, 2000, 302, 304-313.	5.5	167
148	WS₂ Nanowires as a Highâ€Performance Anode for Sodiumâ€Ion Batteries. Chemistry - A European Journal, 2015, 21, 11878-11884.	3.3	167
149	Spherical nano-Sb@C composite as a high-rate and ultra-stable anode material for sodium-ion batteries. Nano Research, 2015, 8, 3384-3393.	10.4	165
150	Stable layered Ni-rich LiNi_{0.9}Co_{0.07}Al_{0.03}O₂ microspheres assembled with nanoparticles as high-performance cathode materials for lithium-ion batteries. Journal of Materials Chemistry A, 2017, 5, 2724-2731.	10.3	165
151	First-Principles Study of Zigzag MoS₂ Nanoribbon As a Promising Cathode Material for Rechargeable Mg Batteries. Journal of Physical Chemistry C, 2012, 116, 1307-1312.	3.1	164
152	Porous calciumâ€“manganese oxide microspheres for electrocatalytic oxygen reduction with high activity. Chemical Science, 2013, 4, 368-376.	7.4	164
153	Potassiumâ€“Sulfur Batteries: A New Member of Room-Temperature Rechargeable Metalâ€“Sulfur Batteries. Inorganic Chemistry, 2014, 53, 9000-9005.	4.0	163
154	Energy Storage Chemistry in Aqueous Zinc Metal Batteries. ACS Energy Letters, 2020, 5, 3569-3590.	17.4	163
155	Self-Assembled Nickel Hydroxide Three-Dimensional Nanostructures:Â A Nanomaterial for Alkaline Rechargeable Batteries. Crystal Growth and Design, 2007, 7, 170-174.	3.0	159
156	Stretchable Lithiumâ€Ion Batteries Enabled by Deviceâ€Scaled Wavy Structure and Elasticâ€Sticky Separator. Advanced Energy Materials, 2017, 7, 1701076.	19.5	158
157	Flexible Liâ€CO₂ Batteries with Liquidâ€Free Electrolyte. Angewandte Chemie - International Edition, 2017, 56, 5785-5789.	13.8	156
158	Superhydrophilic amorphous Coâ€“Bâ€“P nanosheet electrocatalysts with Pt-like activity and durability for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2018, 6, 22062-22069.	10.3	156
159	Highâ€Performance Organic Lithium Batteries with an Etherâ€Based Electrolyte and 9,10â€Anthraquinone (AQ)/CMKâ€3 Cathode. Advanced Science, 2015, 2, 1500018.	11.2	155
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