Yuping Wu

List of Publications by Year in descending order

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580 papers	41,541 citations	1457 107 h-index	4203 174 g-index
596 all docs	596 docs citations	596 times ranked	30511 citing authors

#	Article	IF	Citations
1	Thermal runaway mechanism of lithium ion battery for electric vehicles: A review. Energy Storage Materials, 2018, 10, 246-267.	9.5	1,939
2	Latest advances in supercapacitors: from new electrode materials to novel device designs. Chemical Society Reviews, 2017, 46, 6816-6854.	18.7	1,567
3	Carbon anode materials for lithium ion batteries. Journal of Power Sources, 2003, 114, 228-236.	4.0	696
4	Electrochemical Performance of MnO₂ Nanorods in Neutral Aqueous Electrolytes as a Cathode for Asymmetric Supercapacitors. Journal of Physical Chemistry C, 2009, 113, 14020-14027.	1.5	631
5	Cathode materials modified by surface coating for lithium ion batteries. Electrochimica Acta, 2006, 51, 3872-3883.	2.6	553
6	Coreâ€“Shell Structure of Polypyrrole Grown on V₂O₅ Nanoribbon as High Performance Anode Material for Supercapacitors. Advanced Energy Materials, 2012, 2, 950-955.	10.2	469
7	Electrode materials for aqueous asymmetric supercapacitors. RSC Advances, 2013, 3, 13059.	1.7	469
8	An Aqueous Rechargeable Zn//Co₃O₄ Battery with High Energy Density and Good Cycling Behavior. Advanced Materials, 2016, 28, 4904-4911.	11.1	417
9	Doping effects of zinc on LiFePO4 cathode material for lithium ion batteries. Electrochemistry Communications, 2006, 8, 1553-1557.	2.3	416
10	Surface modifications of electrode materials for lithium ion batteries. Solid State Sciences, 2006, 8, 113-128.	1.5	379
11	Aqueous rechargeable lithium batteries as an energy storage system of superfast charging. Energy and Environmental Science, 2013, 6, 2093.	15.6	348
12	A new cheap asymmetric aqueous supercapacitor: Activated carbon//NaMnO2. Journal of Power Sources, 2009, 194, 1222-1225.	4.0	346
13	Highâ€Performance Electrocatalytic Conversion of N₂ to NH₃ Using Oxygenâ€Vacancyâ€Rich TiO₂ In Situ Grown on Ti₃C₂T_x MXene. Advanced Energy Materials, 2019, 9, 1803406.	10.2	346
14	Porous LiMn2O4 as cathode material with high power and excellent cycling for aqueous rechargeable lithium batteries. Energy and Environmental Science, 2011, 4, 3985.	15.6	333
15	Ambient N2 fixation to NH3 at ambient conditions: Using Nb2O5 nanofiber as a high-performance electrocatalyst. Nano Energy, 2018, 52, 264-270.	8.2	331
16	LiMn₂O₄ Nanotube as Cathode Material of Second-Level Charge Capability for Aqueous Rechargeable Batteries. Nano Letters, 2013, 13, 2036-2040.	4.5	329
17	Composite of a nonwoven fabric with poly(vinylidene fluoride) as a gel membrane of high safety for lithium ion battery. Energy and Environmental Science, 2013, 6, 618-624.	15.6	326
18	Hollow Structured Li₃VO₄ Wrapped with Graphene Nanosheets in Situ Prepared by a One-Pot Template-Free Method as an Anode for Lithium-Ion Batteries. Nano Letters, 2013, 13, 4715-4720.	4.5	303

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19	A novel carbon-coated LiCoO2 as cathode material for lithium ion battery. Electrochemistry Communications, 2007, 9, 1228-1232.	2.3	302
20	Aqueous supercapacitors of high energy density based on MoO3 nanoplates as anode material. Chemical Communications, 2011, 47, 10058.	2.2	298
21	Anion and cation substitution in transition-metal oxides nanosheets for high-performance hybrid supercapacitors. Nano Energy, 2019, 57, 22-33.	8.2	279
22	V2O5Â·0.6H2O nanoribbons as cathode material for asymmetric supercapacitor in K2SO4 solution. Electrochemistry Communications, 2009, 11, 1325-1328.	2.3	275
23	Kinetic study on LiFePO4/C nanocomposites synthesized by solid state technique. Journal of Power Sources, 2006, 159, 717-720.	4.0	257
24	Î±-MoO₃ Nanobelts: A High Performance Cathode Material for Lithium Ion Batteries. Journal of Physical Chemistry C, 2010, 114, 21868-21872.	1.5	248
25	A Composite Gel Polymer Electrolyte with High Performance Based on Poly(Vinylidene Fluoride) and Polyborate for Lithium Ion Batteries. Advanced Energy Materials, 2014, 4, 1300647.	10.2	243
26	Nanostructured positive electrode materials for post-lithium ion batteries. Energy and Environmental Science, 2016, 9, 3570-3611.	15.6	241
27	An aqueous rechargeable battery based on zinc anode and Na_{0.95}MnO₂. Chemical Communications, 2014, 50, 1209-1211.	2.2	239
28	Preparation and characteristic of carbon-coated Li4Ti5O12 anode material. Journal of Power Sources, 2007, 174, 1109-1112.	4.0	237
29	Mo₂C/CNT: An Efficient Catalyst for Rechargeable Liâ€“CO₂ Batteries. Advanced Functional Materials, 2017, 27, 1700564.	7.8	236
30	An Artificial Polyacrylonitrile Coating Layer Confining Zinc Dendrite Growth for Highly Reversible Aqueous Zincâ€Based Batteries. Advanced Science, 2021, 8, e2100309.	5.6	232
31	An aqueous rechargeable lithium battery of excellent rate capability based on a nanocomposite of MoO3 coated with PPy and LiMn2O4. Energy and Environmental Science, 2012, 5, 6909.	15.6	228
32	Design and understanding of dendritic mixed-metal hydroxide nanosheets@N-doped carbon nanotube array electrode for high-performance asymmetric supercapacitors. Energy Storage Materials, 2019, 16, 632-645.	9.5	225
33	Study on electrochemical performance of activated carbon in aqueous Li2SO4, Na2SO4 and K2SO4 electrolytes. Electrochemistry Communications, 2008, 10, 1652-1655.	2.3	224
34	Electrode materials for lithium secondary batteries prepared by solâ€“gel methods. Progress in Materials Science, 2005, 50, 881-928.	16.0	221
35	Three-dimensional ordered porous electrode materials for electrochemical energy storage. NPG Asia Materials, 2019, 11, .	3.8	215
36	An Aqueous Rechargeable Lithium Battery with Good Cycling Performance. Angewandte Chemie - International Edition, 2007, 46, 295-297.	7.2	213

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37	Ambientâ€Stable Twoâ€Dimensional Titanium Carbide (MXene) Enabled by Iodine Etching. Angewandte Chemie - International Edition, 2021, 60, 8689-8693.	7.2	212
38	Graphene wrapped LiFePO4/C composites as cathode materials for Li-ion batteries with enhanced rate capability. Journal of Materials Chemistry, 2012, 22, 16465.	6.7	206
39	Fabrication of a grapheneâ€“cuprous oxide composite. Journal of Solid State Chemistry, 2009, 182, 2486-2490.	1.4	201
40	A Large Scalable and Lowâ€Cost Sulfur/Nitrogen Dualâ€Doped Hard Carbon as the Negative Electrode Material for Highâ€Performance Potassiumâ€Ion Batteries. Advanced Energy Materials, 2019, 9, 1901379.	10.2	195
41	A new single-ion polymer electrolyte based on polyvinyl alcohol for lithium ion batteries. Electrochimica Acta, 2013, 87, 113-118.	2.6	194
42	Effects of heteroatoms on electrochemical performance of electrode materials for lithium ion batteries. Electrochimica Acta, 2002, 47, 3491-3507.	2.6	192
43	An Aqueous Rechargeable Lithium Battery Using Coated Li Metal as Anode. Scientific Reports, 2013, 3, 1401.	1.6	190
44	A cheap asymmetric supercapacitor with high energy at high power: Activated carbon//K0.27MnO2Â·0.6H2O. Journal of Power Sources, 2010, 195, 2789-2794.	4.0	185
45	Polypyrrole-coated Î±-MoO3 nanobelts with good electrochemical performance as anode materials for aqueous supercapacitors. Journal of Materials Chemistry A, 2013, 1, 13582.	5.2	185
46	Adsorption removal of cesium from drinking waters: A mini review on use of biosorbents and other adsorbents. Bioresource Technology, 2014, 160, 142-149.	4.8	181
47	A Quasiâ€Solidâ€State Sodiumâ€Ion Capacitor with High Energy Density. Advanced Materials, 2015, 27, 6962-6968.	11.1	177
48	Advances in Sn-Based Catalysts for Electrochemical CO2 Reduction. Nano-Micro Letters, 2019, 11, 62.	14.4	176
49	In-Situ Fabrication of Graphene Oxide Hybrid Ni-Based Metalâ€“Organic Framework (Niâ€“MOFs@GO) with Ultrahigh Capacitance as Electrochemical Pseudocapacitor Materials. ACS Applied Materials & Interfaces, 2016, 8, 28904-28916.	4.0	175
50	Gel polymer electrolytes for lithium ion batteries: Fabrication, characterization and performance. Solid State Ionics, 2018, 318, 2-18.	1.3	169
51	Mechanism of lithium storage in low temperature carbon. Carbon, 1999, 37, 1901-1908.	5.4	168
52	Facile spray-drying/pyrolysis synthesis of coreâ€“shell structure graphite/silicon-porous carbon composite as a superior anode for Li-ion batteries. Journal of Power Sources, 2014, 248, 721-728.	4.0	167
53	A trilayer poly(vinylidene fluoride)/polyborate/poly(vinylidene fluoride) gel polymer electrolyte with good performance for lithium ion batteries. Journal of Materials Chemistry A, 2013, 1, 7790.	5.2	166
54	Preparation and electrochemical properties of core-shell Si/SiO nanocomposite as anode material for lithium ion batteries. Electrochemistry Communications, 2007, 9, 886-890.	2.3	164

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55	A dense cellulose-based membrane as a renewable host for gel polymer electrolyte of lithium ion batteries. Journal of Membrane Science, 2015, 476, 112-118.	4.1	164
56	Ultrathin NiCo₂S₄@graphene with a coreâ€“shell structure as a high performance positive electrode for hybrid supercapacitors. Journal of Materials Chemistry A, 2018, 6, 5856-5861.	5.2	164
57	Tremella-like molybdenum dioxide consisting of nanosheets as an anode material for lithium ion battery. Electrochemistry Communications, 2008, 10, 118-122.	2.3	163
58	Co₃O₄@MWCNT Nanocable as Cathode with Superior Electrochemical Performance for Supercapacitors. ACS Applied Materials & Interfaces, 2015, 7, 2280-2285.	4.0	162
59	Titanium incorporated with UiO-66(Zr)-type Metalâ€“Organic Framework (MOF) for photocatalytic application. RSC Advances, 2016, 6, 3671-3679.	1.7	161
60	Size Tunable ZnO Nanoparticles To Enhance Electron Injection in Solution Processed QLEDs. ACS Photonics, 2016, 3, 215-222.	3.2	159
61	Natural macromolecule based carboxymethyl cellulose as a gel polymer electrolyte with adjustable porosity for lithium ion batteries. Journal of Power Sources, 2015, 288, 368-375.	4.0	156
62	A sodium ion conducting gel polymer electrolyte. Solid State Ionics, 2015, 269, 1-7.	1.3	153
63	N-doped carbon hollow microspheres for metal-free quasi-solid-state full sodium-ion capacitors. Nano Energy, 2017, 41, 674-680.	8.2	153
64	Rational Design of Hydroxylâ€Rich Ti₃C₂T_x MXene Quantum Dots for Highâ€Performance Electrochemical N₂ Reduction. Advanced Energy Materials, 2020, 10, 2000797.	10.2	153
65	Microbial communities of aerobic granules: Granulation mechanisms. Bioresource Technology, 2014, 169, 344-351.	4.8	150
66	Earth-Abundant Copper-Based Bifunctional Electrocatalyst for Both Catalytic Hydrogen Production and Water Oxidation. ACS Catalysis, 2015, 5, 1530-1538.	5.5	150
67	Preparation of carbon coated MoO2 nanobelts and their high performance as anode materials for lithium ion batteries. Journal of Materials Chemistry, 2012, 22, 13148.	6.7	146
68	Self-Supported Copper Oxide Electrocatalyst for Water Oxidation at Low Overpotential and Confirmation of Its Robustness by Cu K-Edge X-ray Absorption Spectroscopy. Journal of Physical Chemistry C, 2016, 120, 831-840.	1.5	146
69	Efficient and durable N₂ reduction electrocatalysis under ambient conditions: Î²-FeOOH nanorods as a non-noble-metal catalyst. Chemical Communications, 2018, 54, 11332-11335.	2.2	144
70	Improving Electrochemical Stability and Lowâ€Temperature Performance with Water/Acetonitrile Hybrid Electrolytes. Advanced Energy Materials, 2020, 10, 1902654.	10.2	144
71	Enhanced electrochemical and mechanical properties of P(VDF-HFP)-based composite polymer electrolytes with SiO2 nanowires. Journal of Membrane Science, 2011, 379, 80-85.	4.1	143
72	Fully Conjugated Phthalocyanine Copper Metalâ€“Organic Frameworks for Sodiumâ€“Iodine Batteries with Longâ€Timeâ€Cycling Durability. Advanced Materials, 2020, 32, e1905361.	11.1	143

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73	MoO2 synthesized by reduction of MoO3 with ethanol vapor as an anode material with good rate capability for the lithium ion battery. Journal of Power Sources, 2008, 179, 357-360.	4.0	142
74	Nano-LiCoO2 as cathode material of large capacity and high rate capability for aqueous rechargeable lithium batteries. Electrochemistry Communications, 2010, 12, 1524-1526.	2.3	142
75	A novel sandwiched membrane as polymer electrolyte for lithium ion battery. Electrochemistry Communications, 2007, 9, 1700-1703.	2.3	141
76	Synthesis, characterization and lithium-storage performance of MoO2/carbon hybrid nanowires. Journal of Materials Chemistry, 2010, 20, 2807.	6.7	141
77	A hybrid of V2O5 nanowires and MWCNTs coated with polypyrrole as an anode material for aqueous rechargeable lithium batteries with excellent cycling performance. Journal of Materials Chemistry, 2012, 22, 20143.	6.7	141
78	A Znâ€“NiO rechargeable battery with long lifespan and high energy density. Journal of Materials Chemistry A, 2015, 3, 8280-8283.	5.2	141
79	A Sandwich PVDF/HEC/PVDF Gel Polymer Electrolyte for Lithium Ion Battery. Electrochimica Acta, 2017, 245, 752-759.	2.6	135
80	Identification of nano-sized holes by TEM in the graphene layer of graphite and the high rate discharge capability of Li-ion battery anodes. Electrochimica Acta, 2007, 53, 1055-1061.	2.6	134
81	Intrinsically conducting polymers in electrochemical energy technology: Trends and progress. Electrochimica Acta, 2014, 122, 93-107.	2.6	132
82	Synthesis and electrochemical performance of novel core/shell structured nanocomposites. Electrochemistry Communications, 2006, 8, 1-4.	2.3	130
83	Aqueous rechargeable lithium battery (ARLB) based on LiV3O8 and LiMn2O4 with good cycling performance. Electrochemistry Communications, 2007, 9, 1873-1876.	2.3	130
84	High-performance NaFePO₄formed by aqueous ion-exchange and its mechanism for advanced sodium ion batteries. Journal of Materials Chemistry A, 2016, 4, 4882-4892.	5.2	129
85	Cadmium sulfide/graphitic carbon nitride heterostructure nanowire loading with a nickel hydroxide cocatalyst for highly efficient photocatalytic hydrogen production in water under visible light. Nanoscale, 2016, 8, 4748-4756.	2.8	127
86	Reclaiming graphite from spent lithium ion batteries ecologically and economically. Electrochimica Acta, 2019, 313, 423-431.	2.6	124
87	Fabricating an Aqueous Symmetric Supercapacitor with a Stable High Working Voltage of 2 V by Using an Alkalineâ€“Acidic Electrolyte. Advanced Science, 2019, 6, 1801665.	5.6	124
88	Mesoporous germanium as anode material of high capacity and good cycling prepared by a mechanochemical reaction. Electrochemistry Communications, 2010, 12, 418-421.	2.3	123
89	A nanocomposite of MoO3 coated with PPy as an anode material for aqueous sodium rechargeable batteries with excellent electrochemical performance. Electrochimica Acta, 2014, 116, 512-517.	2.6	123
90	ZIF-8@MWCNT-derived carbon composite as electrode of high performance for supercapacitor. Electrochimica Acta, 2016, 213, 260-269.	2.6	123

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91	Enhanced Microwave Absorption Properties by Tuning Cation Deficiency of Perovskite Oxides of Two-Dimensional LaFeO₃/C Composite in X-Band. ACS Applied Materials & Interfaces, 2017, 9, 7601-7610.	4.0	123
92	Nanoporous selenium as a cathode material for rechargeable lithiumâ€“selenium batteries. Chemical Communications, 2013, 49, 11515.	2.2	122
93	An activated carbon with high capacitance from carbonization of a resorcinolâ€“formaldehyde resin. Electrochemistry Communications, 2009, 11, 715-718.	2.3	121
94	Nanochain LiMn2O4 as ultra-fast cathode material for aqueous rechargeable lithium batteries. Electrochemistry Communications, 2011, 13, 205-208.	2.3	121
95	A conductive polymer coated MoO₃anode enables an Al-ion capacitor with high performance. Journal of Materials Chemistry A, 2016, 4, 5115-5123.	5.2	120
96	Latest Advances in High-Voltage and High-Energy-Density Aqueous Rechargeable Batteries. Electrochemical Energy Reviews, 2021, 4, 1-34.	13.1	120
97	Porous NiO fibers prepared by electrospinning as high performance anode materials for lithium ion batteries. Electrochemistry Communications, 2012, 23, 5-8.	2.3	119
98	Nanoporous LiNi1/3Co1/3Mn1/3O2 as an ultra-fast charge cathode material for aqueous rechargeable lithium batteries. Chemical Communications, 2013, 49, 9209.	2.2	119
99	A Quasiâ€Solidâ€State Liâ€Ion Capacitor Based on Porous TiO₂ Hollow Microspheres Wrapped with Graphene Nanosheets. Small, 2016, 12, 6207-6213.	5.2	118
100	Preparation of Nanowire Arrays of Amorphous Carbon Nanotube-Coated Single Crystal SnO₂. Chemistry of Materials, 2008, 20, 2612-2614.	3.2	117
101	A hybrid of MnO2 nanowires and MWCNTs as cathode of excellent rate capability for supercapacitors. Journal of Power Sources, 2012, 197, 330-333.	4.0	117
102	Composites of metal oxides and intrinsically conducting polymers as supercapacitor electrode materials: the best of both worlds?. Journal of Materials Chemistry A, 2019, 7, 14937-14970.	5.2	116
103	Spinel LiMn2O4 nanohybrid as high capacitance positive electrode material for supercapacitors. Journal of Power Sources, 2014, 246, 19-23.	4.0	114
104	Green energy storage chemistries based on neutral aqueous electrolytes. Journal of Materials Chemistry A, 2014, 2, 10739-10755.	5.2	113
105	Effects of doped sulfur on electrochemical performance of carbon anode. Journal of Power Sources, 2002, 108, 245-249.	4.0	112
106	Bendable ITO-free Organic Solar Cells with Highly Conductive and Flexible PEDOT:PSS Electrodes on Plastic Substrates. ACS Applied Materials & Interfaces, 2015, 7, 16287-16295.	4.0	112
107	Nano LiMn2O4 as cathode material of high rate capability for lithium ion batteries. Journal of Power Sources, 2012, 198, 308-311.	4.0	111
108	Direct growth of porous crystalline NiCo₂O₄ nanowire arrays on a conductive electrode for high-performance electrocatalytic water oxidation. Journal of Materials Chemistry A, 2014, 2, 20823-20831.	5.2	111

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109	Aqueous Rechargeable Zinc/Aluminum Ion Battery with Good Cycling Performance. ACS Applied Materials & Interfaces, 2016, 8, 9022-9029.	4.0	111
110	Encapsulating highly crystallized mesoporous Fe3O4 in hollow N-doped carbon nanospheres for high-capacity long-life sodium-ion batteries. Nano Energy, 2019, 56, 426-433.	8.2	111
111	Sulfate and organic carbon removal by microbial fuel cell with sulfate-reducing bacteria and sulfide-oxidising bacteria anodic biofilm. Bioresource Technology, 2014, 156, 14-19.	4.8	109
112	An Exploration of New Energy Storage System: High Energy Density, High Safety, and Fast Charging Lithium Ion Battery. Advanced Functional Materials, 2019, 29, 1805978.	7.8	109
113	Effects of nitrogen on the carbon anode of a lithium secondary battery. Solid State Ionics, 1999, 120, 117-123.	1.3	108
114	An environmentally friendly and economic membrane based on cellulose as a gel polymer electrolyte for lithium ion batteries. RSC Advances, 2014, 4, 76-81.	1.7	108
115	Preparation and characterization of three-dimensionally ordered mesoporous titania microparticles as anode material for lithium ion battery. Electrochemistry Communications, 2007, 9, 2140-2144.	2.3	107
116	Effects of the porous structure on conductivity of nanocomposite polymer electrolyte for lithium ion batteries. Journal of Membrane Science, 2008, 322, 416-422.	4.1	107
117	Research on a gel polymer electrolyte for Li-ion batteries. Pure and Applied Chemistry, 2008, 80, 2553-2563.	0.9	107
118	CNT@Fe₃O₄@C Coaxial Nanocables: Oneâ€Pot, Additiveâ€Free Synthesis and Remarkable Lithium Storage Behavior. Chemistry - A European Journal, 2013, 19, 9866-9874.	1.7	107
119	A composite membrane based on a biocompatible cellulose as a host of gel polymer electrolyte for lithium ion batteries. Journal of Power Sources, 2014, 270, 53-58.	4.0	107
120	A safe and fast-charging lithium-ion battery anode using MXene supported Li₃VO₄. Journal of Materials Chemistry A, 2019, 7, 11250-11256.	5.2	106
121	Diethyl(thiophen-2-ylmethyl)phosphonate: a novel multifunctional electrolyte additive for high voltage batteries. Journal of Materials Chemistry A, 2018, 6, 10990-11004.	5.2	105
122	Boosting electrocatalytic N₂ reduction to NH₃ on Î²-FeOOH by fluorine doping. Chemical Communications, 2019, 55, 3987-3990.	2.2	104
123	Cubic Prussian blue crystals from a facile one-step synthesis as positive electrode material for superior potassium-ion capacitors. Electrochimica Acta, 2017, 232, 106-113.	2.6	103
124	Natural graphite coated by Si nanoparticles as anode materials for lithium ion batteries. Journal of Materials Chemistry, 2007, 17, 1321.	6.7	102
125	Template-free fabrication of nitrogen-doped hollow carbon spheres for high-performance supercapacitors based on a scalable homopolymer vesicle. Journal of Materials Chemistry A, 2016, 4, 12088-12097.	5.2	102
126	LiMn2O4 nanorods as a super-fast cathode material for aqueous rechargeable lithium batteries. Electrochemistry Communications, 2011, 13, 1159-1162.	2.3	100

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127	Cheap glass fiber mats as a matrix of gel polymer electrolytes for lithium ion batteries. Scientific Reports, 2013, 3, 3187.	1.6	100
128	Characteristics of an aqueous rechargeable lithium battery (ARLB). Electrochimica Acta, 2007, 52, 4911-4915.	2.6	99
129	Thermodynamic parameters for adsorption equilibrium of heavy metals and dyes from wastewaters. Bioresource Technology, 2014, 160, 24-31.	4.8	99
130	Electrode materials with tailored facets for electrochemical energy storage. Nanoscale Horizons, 2016, 1, 272-289.	4.1	98
131	Disintegration of aerobic granules: Role of second messenger cyclic di-GMP. Bioresource Technology, 2013, 146, 330-335.	4.8	97
132	Selfâ€Assembled 3D Foamâ€Like NiCo₂O₄ as Efficient Catalyst for Lithium Oxygen Batteries. Small, 2016, 12, 602-611.	5.2	97
133	New Organic Complex for Lithium Layered Oxide Modification: Ultrathin Coating, High-Voltage, and Safety Performances. ACS Energy Letters, 2019, 4, 656-665.	8.8	97
134	A Stimulusâ€Responsive Zincâ€“Iodine Battery with Smart Overcharge Selfâ€Protection Function. Advanced Materials, 2020, 32, e2000287.	11.1	97
135	Two-dimensional/one-dimensional molybdenum sulfide (MoS2) nanoflake/graphitic carbon nitride (g-C3N4) hollow nanotube photocatalyst for enhanced photocatalytic hydrogen production activity. Journal of Colloid and Interface Science, 2020, 567, 300-307.	5.0	93
136	Porous Co2VO4 Nanodisk as a High-Energy and Fast-Charging Anode for Lithium-Ion Batteries. Nano-Micro Letters, 2022, 14, 5.	14.4	93
137	Advances in rechargeable Mg batteries. Journal of Materials Chemistry A, 2020, 8, 25601-25625.	5.2	91
138	Janus Solidâ€“Liquid Interface Enabling Ultrahigh Charging and Discharging Rate for Advanced Lithium-Ion Batteries. Nano Letters, 2015, 15, 6102-6109.	4.5	90
139	Spinel LiNixMn2â^'xO4 as cathode material for aqueous rechargeable lithium batteries. Electrochimica Acta, 2013, 93, 301-306.	2.6	89
140	Calcium precipitate induced aerobic granulation. Bioresource Technology, 2015, 176, 32-37.	4.8	89
141	Effects of catalytic oxidation on the electrochemical performance of common natural graphite as an anode material for lithium ion batteries. Electrochemistry Communications, 2000, 2, 272-275.	2.3	88
142	Surface fluorinated LiNi_{0.8}Co_{0.15}Al_{0.05}O₂ as a positive electrode material for lithium ion batteries. Journal of Materials Chemistry A, 2015, 3, 15156-15162.	5.2	88
143	A quasi-solid-state Li-ion capacitor with high energy density based on Li₃VO₄/carbon nanofibers and electrochemically-exfoliated graphene sheets. Journal of Materials Chemistry A, 2017, 5, 14922-14929.	5.2	86
144	A porous gel-type composite membrane reinforced by nonwoven: promising polymer electrolyte with high performance for sodium ion batteries. Electrochimica Acta, 2017, 224, 405-411.	2.6	86

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145	Sulfur nanocomposite as a positive electrode material for rechargeable potassiumâ€“sulfur batteries. Chemical Communications, 2018, 54, 2288-2291.	2.2	86
146	An aqueous rechargeable lithium battery of high energy density based on coated Li metal and LiCoO2. Chemical Communications, 2013, 49, 6179.	2.2	85
147	Considering Critical Factors of Silicon/Graphite Anode Materials for Practical High-Energy Lithium-Ion Battery Applications. Energy & Fuels, 2021, 35, 944-964.	2.5	85
148	Electrochemical behavior of LiCoO2 in a saturated aqueous Li2SO4 solution. Electrochimica Acta, 2009, 54, 1199-1203.	2.6	84
149	Accelerated aerobic granulation using alternating feed loadings: Alginate-like exopolysaccharides. Bioresource Technology, 2014, 171, 360-366.	4.8	83
150	Phosphorous-doped 1T-MoS2 decorated nitrogen-doped g-C3N4 nanosheets for enhanced photocatalytic nitrogen fixation. Journal of Colloid and Interface Science, 2022, 605, 320-329.	5.0	81
151	Electrochemical behavior of V2O5Â·0.6H2O nanoribbons in neutral aqueous electrolyte solution. Electrochimica Acta, 2013, 96, 8-12.	2.6	80
152	A Copper Porphyrinâ€Based Conjugated Mesoporous Polymerâ€Derived Bifunctional Electrocatalyst for Hydrogen and Oxygen Evolution. ChemSusChem, 2016, 9, 2365-2373.	3.6	80
153	A Low-Cost Zn-Based Aqueous Supercapacitor with High Energy Density. ACS Applied Energy Materials, 2019, 2, 5835-5842.	2.5	80
154	Achieving a high-performance Prussian blue analogue cathode with an ultra-stable redox reaction for ammonium ion storage. Nanoscale Horizons, 2019, 4, 991-998.	4.1	80
155	A single-ion polymer electrolyte based on boronate for lithium ion batteries. Electrochemistry Communications, 2012, 22, 29-32.	2.3	79
156	Recent advances on biosorption by aerobic granular sludge. Journal of Hazardous Materials, 2018, 357, 253-270.	6.5	79
157	Core-shell Si/C nanocomposite as anode material for lithium ion batteries. Pure and Applied Chemistry, 2006, 78, 1889-1896.	0.9	78
158	Preparation of Cu2O particles with different morphologies and their application in lithium ion batteries. Journal of Power Sources, 2007, 174, 1197-1200.	4.0	78
159	Macroporous LiFePO4 as a cathode for an aqueous rechargeable lithium battery of high energy density. Journal of Materials Chemistry A, 2013, 1, 14713.	5.2	78
160	Nanowire Na0.35MnO2 from a hydrothermal method as a cathode material for aqueous asymmetric supercapacitors. Journal of Power Sources, 2014, 253, 98-103.	4.0	77
161	Rapid synthesis of Li4Ti5O12/graphene composite with superior rate capability by a microwave-assisted hydrothermal method. Nano Energy, 2014, 8, 297-304.	8.2	77
162	Rechargeable Li//Br battery: a promising platform for post lithium ion batteries. Journal of Materials Chemistry A, 2014, 2, 19444-19450.	5.2	76

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163	Warming and fertilization alter the dilution effect of host diversity on disease severity. Ecology, 2016, 97, 1680-1689.	1.5	76
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