Xian-you Wang

List of Publications by Year in descending order

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443 papers	17,528 citations	12303 69 h-index	38300 95 g-index
446 all docs	446 docs citations	446 times ranked	13671 citing authors

#	Article	IF	Citations
1	Studies on preparation and performances of carbon aerogel electrodes for the application of supercapacitor. Journal of Power Sources, 2006, 158, 784-788.	4.0	317
2	Solâ€“gel template synthesis of highly ordered MnO2 nanowire arrays. Journal of Power Sources, 2005, 140, 211-215.	4.0	225
3	Effect of aqueous electrolytes on the electrochemical behaviors of supercapacitors based on hierarchically porous carbons. Journal of Power Sources, 2012, 216, 290-296.	4.0	223
4	Free-standing SnS/C nanofiber anodes for ultralong cycle-life lithium-ion batteries and sodium-ion batteries. Energy Storage Materials, 2019, 17, 1-11.	9.5	221
5	Polypyrrole/carbon aerogel composite materials for supercapacitor. Journal of Power Sources, 2010, 195, 6964-6969.	4.0	209
6	Co₃S₄@polyaniline nanotubes as high-performance anode materials for sodium ion batteries. Journal of Materials Chemistry A, 2016, 4, 5505-5516.	5.2	204
7	A high-capacity carbon prepared from renewable chicken feather biopolymer forÂsupercapacitors. Journal of Power Sources, 2013, 225, 101-107.	4.0	187
8	MnO2 nanosheets grown on the internal/external surface of N-doped hollow porous carbon nanospheres as the sulfur host of advanced lithium-sulfur batteries. Chemical Engineering Journal, 2018, 335, 831-842.	6.6	157
9	Rapid sintering method for highly conductive Li7La3Zr2O12 ceramic electrolyte. Ceramics International, 2020, 46, 10917-10924.	2.3	146
10	Honeycombâ€like Nitrogen and Sulfur Dualâ€Doped Hierarchical Porous Biomassâ€Derived Carbon for Lithiumâ€“Sulfur Batteries. ChemSusChem, 2017, 10, 1803-1812.	3.6	143
11	The effects of electrolyte on the supercapacitive performance of activated calcium carbide-derived carbon. Journal of Power Sources, 2013, 226, 202-209.	4.0	142
12	Synchronous Tailoring Surface Structure and Chemical Composition of Liâ€Richâ€“Layered Oxide for Highâ€Energy Lithiumâ€Ion Batteries. Advanced Functional Materials, 2018, 28, 1803392.	7.8	137
13	The preparation of NaV1â^'xCrxPO4F cathode materials for sodium-ion battery. Journal of Power Sources, 2006, 160, 698-703.	4.0	134
14	Honeycomb-like nitrogen and sulfur dual-doped hierarchical porous biomass carbon bifunctional interlayer for advanced lithium-sulfur batteries. Chemical Engineering Journal, 2019, 355, 478-486.	6.6	124
15	Hollow porous carbon spheres with hierarchical nanoarchitecture for application of the high performance supercapacitors. Electrochimica Acta, 2016, 211, 183-192.	2.6	119
16	NiMoO₄ Nanosheets Anchored on Nï£¿S Doped Carbon Clothes with Hierarchical Structure as a Bidirectional Catalyst toward Accelerating Polysulfides Conversion for Lïï£¿S Battery. Advanced Functional Materials, 2021, 31, 2101285.	7.8	119
17	Improved electrochemical performance of LiFePO4/C cathode via Ni and Mn co-doping for lithium-ion batteries. Journal of Power Sources, 2013, 237, 149-155.	4.0	118
18	Nickel hydroxide/activated carbon composite electrodes for electrochemical capacitors. Journal of Power Sources, 2007, 164, 425-429.	4.0	116

#	Article	IF	Citations
19	A comparison among FeF3Â·3H2O, FeF3Â·0.33H2O and FeF3 cathode materials for lithium ion batteries: Structural, electrochemical, and mechanism studies. Journal of Power Sources, 2013, 238, 501-515.	4.0	115
20	Determination of the chemical diffusion coefficient of lithium ions in spherical Li[Ni0.5Mn0.3Co0.2]O2. Electrochimica Acta, 2012, 66, 88-93.	2.6	113
21	Suppressing H2â€“H3 phase transition in high Niâ€“low Co layered oxide cathode material by dual modification. Journal of Materials Chemistry A, 2020, 8, 21306-21316.	5.2	112
22	Synthesis and characterization of high tap-density layered Li[Ni1/3Co1/3Mn1/3]O2 cathode material via hydroxide co-precipitation. Journal of Power Sources, 2006, 158, 654-658.	4.0	111
23	High Molar Extinction Coefficient Branchlike Organic Dyes Containing Di(p-tolyl)phenylamine Donor for Dye-Sensitized Solar Cells Applications. Journal of Physical Chemistry C, 2010, 114, 3280-3286.	1.5	110
24	Oxygen catalytic evolution reaction on nickel hydroxide electrode modified by electroless cobalt coating. International Journal of Hydrogen Energy, 2004, 29, 967-972.	3.8	109
25	Suppressed capacity/voltage fading of high-capacity lithium-rich layered materials via the design of heterogeneous distribution in the composition. Journal of Materials Chemistry A, 2014, 2, 3899.	5.2	109
26	In situ ceramic fillers of electrospun thermoplastic polyurethane/poly(vinylidene fluoride) based gel polymer electrolytes for Li-ion batteries. Journal of Power Sources, 2011, 196, 9751-9756.	4.0	107
27	Effect of magnesium doping on properties of lithium-rich layered oxide cathodes based on a one-step co-precipitation strategy. Journal of Materials Chemistry A, 2016, 4, 4941-4951.	5.2	106
28	Excellent cycle performance of Co-doped FeF3/C nanocomposite cathode material for lithium-ion batteries. Journal of Materials Chemistry, 2012, 22, 17539.	6.7	103
29	Structure and electrochemical properties of carbon aerogels synthesized at ambient temperatures as supercapacitors. Journal of Non-Crystalline Solids, 2008, 354, 19-24.	1.5	98
30	Boron-doped ordered mesoporous carbons for the application of supercapacitors. Electrochimica Acta, 2016, 207, 266-274.	2.6	98
31	A tightly integrated sodium titanate-carbon composite as an anode material for rechargeable sodium ion batteries. Journal of Power Sources, 2015, 274, 8-14.	4.0	97
32	Tin disulfide embedded in N-, S-doped carbon nanofibers as anode material for sodium-ion batteries. Chemical Engineering Journal, 2019, 359, 1244-1251.	6.6	97
33	Electrospun SnSe/C nanofibers as binder-free anode for lithiumâ€“ion and sodium-ion batteries. Journal of Power Sources, 2020, 449, 227559.	4.0	96
34	One-pot synthesis of bicrystalline titanium dioxide spheres with a coreâ€“shell structure as anode materials for lithium and sodium ion batteries. Journal of Power Sources, 2014, 269, 37-45.	4.0	94
35	Hierarchical porous carbon modified with ionic surfactants as efficient sulfur hosts for the high-performance lithium-sulfur batteries. Chemical Engineering Journal, 2017, 313, 404-414.	6.6	93
36	Kinetically elevated redox conversion of polysulfides of lithium-sulfur battery using a separator modified with transition metals coordinated gâ€‘C3N4 with carbon-conjugated. Chemical Engineering Journal, 2020, 385, 123905.	6.6	93

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37	Dual stabilized architecture of hollow Si@TiO2@C nanospheres as anode of high-performance Li-ion battery. Chemical Engineering Journal, 2018, 351, 269-279.	6.6	92
38	Template-Free Synthesis of Sb2S3 Hollow Microspheres as Anode Materials for Lithium-Ion and Sodium-Ion Batteries. Nano-Micro Letters, 2018, 10, 12.	14.4	91
39	Layer-by-layered SnS2/graphene hybrid nanosheets via ball-milling as promising anode materials for lithium ion batteries. Electrochimica Acta, 2018, 269, 452-461.	2.6	91
40	Improving the Structure and Cycling Stability of Ni-Rich Layered Cathodes by Dual Modification of Yttrium Doping and Surface Coating. ACS Applied Materials & Interfaces, 2020, 12, 19483-19494.	4.0	91
41	Effective enhancement of electrochemical properties for LiFePO4/C cathode materials by Na and Ti co-doping. Electrochimica Acta, 2013, 89, 479-487.	2.6	90
42	Ab initio study of graphene-like monolayer molybdenum disulfide as a promising anode material for rechargeable sodium ion batteries. RSC Advances, 2014, 4, 43183-43188.	1.7	88
43	A new type of MnO2Â·xH2O/CRF composite electrode for supercapacitors. Journal of Power Sources, 2006, 160, 1501-1505.	4.0	86
44	Tellurium Surface Doping to Enhance the Structural Stability and Electrochemical Performance of Layered Ni-Rich Cathodes. ACS Applied Materials & Interfaces, 2019, 11, 40022-40033.	4.0	85
45	Carbon-supported Ptâ€“Co nanoparticles as anode catalyst for direct borohydride-hydrogen peroxide fuel cell: Electrocatalysis and fuel cell performance. International Journal of Hydrogen Energy, 2012, 37, 12650-12658.	3.8	84
46	The kinetics of Li-ion deintercalation in the Li-rich layered Li1.12[Ni0.5Co0.2Mn0.3]0.89O2 studied by electrochemical impedance spectroscopy and galvanostatic intermittent titration technique. Electrochimica Acta, 2013, 109, 355-364.	2.6	84
47	Modified Chestnut-Like Structure Silicon Carbon Composite as Anode Material for Lithium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2019, 7, 10415-10424.	3.2	84
48	Stability and electronic structure of the Coâ€“P compounds from first-principle calculations. Journal of Alloys and Compounds, 2011, 509, 165-171.	2.8	82
49	Porous hollow Î±-Fe₂O₃@TiO₂ coreâ€“shell nanospheres for superior lithium/sodium storage capability. Journal of Materials Chemistry A, 2015, 3, 13807-13818.	5.2	82
50	Studies of the performance of nanostructural multiphase nickel hydroxide. Journal of Power Sources, 2003, 115, 153-160.	4.0	81
51	Studies on the oxygen reduction catalyst for zincâ€“air battery electrode. Journal of Power Sources, 2003, 124, 278-284.	4.0	80
52	Mitigating voltage and capacity fading of lithium-rich layered cathodes by lanthanum doping. Journal of Power Sources, 2016, 335, 65-75.	4.0	79
53	Sandwich-like cobalt sulfideâ€“graphene composite â€“ an anode material with excellent electrochemical performance for sodium ion batteries. RSC Advances, 2015, 5, 71644-71651.	1.7	77
54	Multifunctional Heterostructures for Polysulfide Suppression in Highâ€Performance Lithiumâ€Sulfur Cathode. Small, 2018, 14, e1803134.	5.2	77

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55	Li_{1.2}Ni_{0.13}Co_{0.13}Mn_{0.54}O₂ with Controllable Morphology and Size for High Performance Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 25358-25368.	4.0	76
56	Effects of synthesis conditions on the structural and electrochemical properties of layered Li[Ni1/3Co1/3Mn1/3]O2 cathode material via the hydroxide co-precipitation method LIB SCITECH. Journal of Power Sources, 2006, 161, 601-605.	4.0	75
57	Performance of supported Auâ€“Co alloy as the anode catalyst of direct borohydride-hydrogen peroxide fuel cell. International Journal of Hydrogen Energy, 2010, 35, 8136-8142.	3.8	74
58	Supercapacitive performance of hierarchical porous carbon microspheres prepared by simple one-pot method. Journal of Power Sources, 2014, 254, 10-17.	4.0	74
59	Expanded graphite@SnO2@ polyaniline Composite with Enhanced Performance as Anode Materials for Lithium Ion Batteries. Electrochimica Acta, 2017, 240, 63-71.	2.6	74
60	A novel high-performance gel polymer electrolyte membrane basing on electrospinning technique for lithium rechargeable batteries. Journal of Power Sources, 2011, 196, 8638-8643.	4.0	73
61	Porous polythiophene as a cathode material for lithium batteries with high capacity and good cycling stability. Reactive and Functional Polymers, 2012, 72, 45-49.	2.0	73
62	Structure and electrochemical performance of FeF3/V2O5 composite cathode material for lithium-ion battery. Journal of Alloys and Compounds, 2009, 486, 93-96.	2.8	72
63	Investigation of carbon supported Auâ€“Ni bimetallic nanoparticles as electrocatalyst for direct borohydride fuel cell. Journal of Power Sources, 2011, 196, 1042-1047.	4.0	72
64	MoS₂-Coated N-doped Mesoporous Carbon Spherical Composite Cathode and CNT/Chitosan Modified Separator for Advanced Lithium Sulfur Batteries. ACS Sustainable Chemistry and Engineering, 2018, 6, 16828-16837.	3.2	72
65	Electrochemical oxidation of sodium borohydride on carbon supported Pt-Zn nanoparticle bimetallic catalyst and its implications to direct borohydride-hydrogen peroxide fuel cell. Electrochimica Acta, 2015, 158, 209-218.	2.6	71
66	A facile synthesis of Fe₃O₄ nanoparticles/graphene for high-performance lithium/sodium-ion batteries. RSC Advances, 2016, 6, 16624-16633.	1.7	71
67	Effects of Nanofiber Architecture and Antimony Doping on the Performance of Lithium-Rich Layered Oxides: Enhancing Lithium Diffusivity and Lattice Oxygen Stability. ACS Applied Materials & Interfaces, 2018, 10, 16561-16571.	4.0	71
68	Enhanced cycling stability of nickel-rich layered oxide by tantalum doping. Journal of Power Sources, 2020, 473, 228597.	4.0	71
69	Layered Li[Ni0.5Co0.2Mn0.3]O2â€“Li2MnO3 coreâ€“shell structured cathode material with excellent stability. Journal of Power Sources, 2013, 242, 589-596.	4.0	70
70	Suppressing the Polysulfide Shuttle Effect by Heteroatom-Doping for High-Performance Lithiumâ€“Sulfur Batteries. ACS Sustainable Chemistry and Engineering, 2018, 6, 7545-7557.	3.2	70
71	The effects of FePO4-coating on high-voltage cycling stability and rate capability of Li[Ni0.5Co0.2Mn0.3]O2. Journal of Alloys and Compounds, 2012, 541, 125-131.	2.8	69
72	Electrospun PVdFâ€“PVC nanofibrous polymer electrolytes for polymer lithium-ion batteries. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 86-91.	1.7	69

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73	Design and synthesis of three-dimensional hierarchical ordered porous carbons for supercapacitors. Electrochimica Acta, 2015, 154, 110-118.	2.6	69
74	Spinel/Layered Heterostructured Lithium-Rich Oxide Nanowires as Cathode Material for High-Energy Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 41210-41223.	4.0	69
75	A novel electrospun PVDF/PMMA gel polymer electrolyte with in situ TiO2 for Li-ion batteries. Solid State Ionics, 2013, 249-250, 93-97.	1.3	67
76	Study of a novel porous gel polymer electrolyte based onÂthermoplastic polyurethane/poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 T 118-124.	4.0	67
77	Sb2S3 embedded in carbonâ€“silicon oxide nanofibers as high-performance anode materials for lithium-ion and sodium-ion batteries. Journal of Power Sources, 2019, 435, 226762.	4.0	67
78	Improved cycle and air stability of P3-Na0.65Mn0.75Ni0.25O2 electrode for sodium-ion batteries coated with metal phosphates. Chemical Engineering Journal, 2019, 372, 1066-1076.	6.6	67
79	The novel P3-type layered Na0.65Mn0.75Ni0.25O2 oxides doped by non-metallic elements for high performance sodium-ion batteries. Chemical Engineering Journal, 2019, 360, 139-147.	6.6	67
80	Effects of MoS2 doping on the electrochemical performance of FeF3 cathode materials for lithium-ion batteries. Materials Letters, 2009, 63, 1788-1790.	1.3	66
81	The preparation of PANI/CA composite electrode material for supercapacitors and its electrochemical performance. Journal of Solid State Electrochemistry, 2010, 14, 651-657.	1.2	66
82	Aqueous rechargeable lithium battery based on polyaniline and LiMn2O4 with good cycling performance. Electrochimica Acta, 2012, 70, 360-364.	2.6	66
83	Carbon supported Ptâ€“Sn nanoparticles as anode catalyst for direct borohydrideâ€“hydrogen peroxide fuel cell: Electrocatalysis and fuel cell performance. Journal of Power Sources, 2013, 224, 6-12.	4.0	63
84	Sheet-like structure FeF₃/graphene composite as novel cathode material for Na ion batteries. RSC Advances, 2015, 5, 38277-38282.	1.7	63
85	Spherical concentration-gradient LiMn1.87Ni0.13O4 spinel as a high performance cathode for lithium ion batteries. Journal of Materials Chemistry A, 2013, 1, 4010.	5.2	62
86	Cornlike Ordered Mesoporous Silicon Particles Modified by Nitrogen-Doped Carbon Layer for the Application of Li-Ion Battery. ACS Applied Materials & Interfaces, 2017, 9, 32829-32839.	4.0	62
87	Surface modification and electrochemical studies of spherical nickel hydroxide. Journal of Power Sources, 1998, 72, 221-225.	4.0	60
88	Iron fluoride with excellent cycle performance synthesized by solvothermal method as cathodes for lithium ion batteries. Journal of Power Sources, 2014, 251, 75-84.	4.0	60
89	Preparation and performances of the modified gel composite electrolyte for application of quasi-solid-state lithium sulfur battery. Chemical Engineering Journal, 2020, 389, 124300.	6.6	60
90	Electrochemical performance of LaF3-coated LiMn2O4 cathode materials for lithium ion batteries. Electrochimica Acta, 2012, 83, 65-72.	2.6	59

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91	Synthesis of lithium titanate nanorods as anode materials for lithium and sodium ion batteries with superior electrochemical performance. Journal of Power Sources, 2015, 283, 243-250.	4.0	59
92	Nitrogen-Doped TiO2â€“C Composite Nanofibers with High-Capacity and Long-Cycle Life as Anode Materials for Sodium-Ion Batteries. Nano-Micro Letters, 2018, 10, 71.	14.4	59
93	Porous activated carbon derived from Chinese-chive for high energy hybrid lithium-ion capacitor. Journal of Power Sources, 2018, 398, 128-136.	4.0	59
94	Facile synthesis and performances of nanosized Li₂TiO₃-based shell encapsulated LiMn_{1/3}Ni_{1/3}Co_{1/3}O₂ microspheres. Journal of Materials Chemistry A, 2014, 2, 8362-8368.	5.2	58
95	Hydrothermal preparation and performance of LiFePO4 by using Li3PO4 recovered from spent cathode scraps as Li source. Waste Management, 2018, 78, 208-216.	3.7	58
96	A freestanding metallic tin-modified and nitrogen-doped carbon skeleton as interlayer for lithium-sulfur battery. Chemical Engineering Journal, 2020, 399, 125723.	6.6	58
97	High activity of Auâ€“Cu/C electrocatalyst as anodic catalyst for direct borohydride-hydrogen peroxide fuel cell. International Journal of Hydrogen Energy, 2011, 36, 15775-15782.	3.8	57
98	Preparation and performances of carbon aerogel microspheres for the application of supercapacitor. Journal of Solid State Electrochemistry, 2011, 15, 643-648.	1.2	57
99	Zn, Co, and Fe Tridoped Nâ€“C Coreâ€“Shell Nanocages as the High-Efficiency Oxygen Reduction Reaction Electrocatalyst in Zincâ€“Air Batteries. ACS Applied Materials & Interfaces, 2021, 13, 28324-28333.	4.0	57
100	Effects of magnesium and fluorine co-doping on the structural and electrochemical performance of the spinel LiMn2O4 cathode materials. Electrochimica Acta, 2014, 147, 271-278.	2.6	56
101	The electrochemical performance and mechanism of cobalt (II) fluoride as anode material for lithium and sodium ion batteries. Electrochimica Acta, 2015, 168, 225-233.	2.6	56
102	Investigation of carbon-supported Au hollow nanospheres as electrocatalyst for electrooxidation of sodium borohydride. International Journal of Hydrogen Energy, 2009, 34, 3360-3366.	3.8	55
103	Spherical lithium-rich layered Li1.13[Mn0.534Ni0.233Co0.233]0.87O2 with concentration-gradient outer layer as high-performance cathodes for lithium ion batteries. Journal of Power Sources, 2013, 232, 338-347.	4.0	55
104	Effects of Ni and Mn doping on physicochemical and electrochemical performances of LiFePO4/C. Journal of Alloys and Compounds, 2016, 675, 187-194.	2.8	55
105	Gel electrolytes based on poly(vinylidenefluoride-co-hexafluoropropylene)/thermoplastic polyurethane/poly(methyl methacrylate) with in situ SiO₂ for polymer lithium batteries. RSC Advances, 2017, 7, 3240-3248.	1.7	55
106	Tailoring bulk Li+ ion diffusion kinetics and surface lattice oxygen activity for high-performance lithium-rich manganese-based layered oxides. Energy Storage Materials, 2021, 37, 509-520.	9.5	55
107	Architecture and Performance of the Novel Sulfur Host Material Based on Ti₂O₃ Microspheres for Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2019, 11, 22439-22448.	4.0	54
108	Improvement of the Cycling Stability of Li-Rich Layered Mn-Based Oxide Cathodes Modified by Nanoscale LaPO₄ Coating. ACS Applied Energy Materials, 2019, 2, 3532-3541.	2.5	53

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109	ZnFe₂O₄â€“Ni₅P₄ Mottâ€“Schottky Heterojunctions to Promote Kinetics for Advanced Liâ€“S Batteries. ACS Applied Materials & Interfaces, 2022, 14, 23546-23557.	4.0	53
110	Characterization and performance of hydrous manganese oxide prepared by electrochemical method and its application for supercapacitors. Electrochimica Acta, 2006, 52, 1758-1762.	2.6	52
111	Synthesis and characterization of a Li-rich layered cathode material Li1.15[(Mn1/3Ni1/3Co1/3)0.5(Ni1/4Mn3/4)0.5]0.85O2 with spherical coreâ€“shell structure. Journal of Materials Chemistry, 2012, 22, 19666.	6.7	52
112	Polyaniline modification and performance enhancement of lithium-rich cathode material based on layered-spinel hybrid structure. Journal of Power Sources, 2015, 293, 89-94.	4.0	52
113	A graphene loading heterogeneous hydrated forms iron based fluoride nanocomposite as novel and high-capacity cathode material for lithium/sodium ion batteries. Journal of Power Sources, 2015, 283, 204-210.	4.0	52
114	Enhancing the performance of lithiumâ€“sulfur batteries by anchoring polar polymers on the surface of sulfur host materials. Journal of Materials Chemistry A, 2016, 4, 16148-16156.	5.2	52
115	Mn2O3/carbon aerogel microbead composites synthesized by in situ coating method for supercapacitors. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 1232-1238.	1.7	51
116	Comparison of electrocatalytic activity of carbon-supported Auâ€“M (MÂ=ÂFe, Co, Ni, Cu and Zn) bimetallic nanoparticles for direct borohydride fuel cells. International Journal of Hydrogen Energy, 2012, 37, 11984-11993.	3.8	51
117	Graphene supported platinum nanoparticles as anode electrocatalyst for direct borohydride fuel cell. International Journal of Hydrogen Energy, 2012, 37, 17984-17991.	3.8	51
118	Effective enhancement of electrochemical performance for spherical spinel LiMn2O4 via Li ion conductive Li2ZrO3 coating. Electrochimica Acta, 2014, 134, 143-149.	2.6	51
119	Hollow Siliconâ€“Tin Nanospheres Encapsulated by N-Doped Carbon as Anode Materials for Lithium-Ion Batteries. ACS Applied Nano Materials, 2018, 1, 6989-6999.	2.4	51
120	Preparation and capacitive properties of the coreâ€“shell structure carbon aerogel microbeads-nanowhisker-like NiO composites. Journal of Power Sources, 2013, 224, 317-323.	4.0	50
121	Perovskite-type La_{0.56}Li_{0.33}TiO₃as an effective polysulfide promoter for stable lithiumâ€“sulfur batteries in lean electrolyte conditions. Journal of Materials Chemistry A, 2019, 7, 10293-10302.	5.2	50
122	The effects of surfactant template concentration on the supercapacitive behaviors of hierarchically porous carbons. Journal of Power Sources, 2012, 199, 402-408.	4.0	49
123	Mesoporous aluminium manganese cobalt oxide with pentahedron structures for energy storage devices. Journal of Materials Chemistry A, 2019, 7, 18417-18427.	5.2	49
124	Improved high-voltage performance of LiNi0.87Co0.1Al0.03O2 by Li+-conductor coating. Chemical Engineering Journal, 2021, 407, 126442.	6.6	49
125	The preparation and performance of calcium carbide-derived carbon/polyaniline composite electrode material for supercapacitors. Journal of Power Sources, 2010, 195, 1747-1752.	4.0	48
126	Core-shell structured MoS2@Mesoporous hollow carbon spheres nanocomposite for supercapacitors applications with enhanced capacitance and energy density. Electrochimica Acta, 2019, 298, 630-639.	2.6	48

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127	The effects of dual modification on structure and performance of P2-type layered oxide cathode for sodium-ion batteries. Chemical Engineering Journal, 2020, 384, 123234.	6.6	48
128	Hydrothermal synthesis of antimony oxychlorides submicron rods as anode materials for lithium-ion batteries and sodium-ion batteries. Electrochimica Acta, 2017, 254, 246-254.	2.6	47
129	Dual cationic modified high Ni-low co layered oxide cathode with a heteroepitaxial interface for high energy-density lithium-ion batteries. Chemical Engineering Journal, 2021, 416, 129118.	6.6	47
130	P-doped ternary transition metal oxide as electrode material of asymmetric supercapacitor. Journal of Energy Storage, 2020, 28, 101248.	3.9	46
131	The hollow mesoporous silicon nanobox dually encapsulated by SnO2/C as anode material of lithium ion battery. Electrochimica Acta, 2018, 288, 61-70.	2.6	45
132	Graphene/antimonene/graphene heterostructure: A potential anode for sodium-ion batteries. Carbon, 2019, 153, 767-775.	5.4	45
133	Carbon-Coated Yttria Hollow Spheres as Both Sulfur Immobilizer and Catalyst of Polysulfides Conversion in Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2019, 11, 42104-42113.	4.0	45
134	Hierarchically structured spherical nickel cobalt layered double hydroxides particles grown on biomass porous carbon as an advanced electrode for high specific energy asymmetric supercapacitor. Journal of Energy Storage, 2020, 30, 101454.	3.9	45
135	A novel electrospun TPU/PVdF porous fibrous polymer electrolyte for lithium ion batteries. Journal of Applied Polymer Science, 2012, 125, 2556-2563.	1.3	44
136	Supercapacitive performance of nitrogen-enriched carbons from carbonization ofÂpolyaniline/activated mesocarbon microbeads. Journal of Power Sources, 2013, 227, 1-7.	4.0	44
137	Electrochemical characterization of polyanilineâ€“LiV3O8 nanocomposite cathode material for lithium ion batteries. Electrochimica Acta, 2013, 94, 113-123.	2.6	44
138	Synthesis and electrochemical performance of LiV3O8/polythiophene composite as cathode materials for lithium ion batteries. Journal of Power Sources, 2014, 247, 117-126.	4.0	44
139	Design, preparation and performance of novel three-dimensional hierarchically porous carbon for supercapacitors. Electrochimica Acta, 2015, 173, 566-574.	2.6	44
140	Hierarchically Structured Lithium-Rich Layered Oxide with Exposed Active {010} Planes as High-Rate-Capability Cathode for Lithium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2017, 5, 8970-8981.	3.2	44
141	Electrospun Ta-doped TiO₂/C nanofibers as a high-capacity and long-cycling anode material for Li-ion and K-ion batteries. Journal of Materials Chemistry A, 2020, 8, 20666-20676.	5.2	44
142	Flower-like Bi4Ti3O12/Carbon nanotubes as reservoir and promoter of polysulfide for lithium sulfur battery. Journal of Power Sources, 2020, 453, 227896.	4.0	44
143	Electrochemical performance of the graphene/Y2O3/LiMn2O4 hybrid as cathode for lithium-ion battery. Journal of Alloys and Compounds, 2014, 584, 454-460.	2.8	43
144	Electrochemical performance and structural stability of air-stable Na0.67Ni0.33Mn0.67-xTixO2 cathode materials for high-performance sodium-ion batteries. Chemical Engineering Journal, 2020, 399, 125725.	6.6	43

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145	Synthesis and electrochemical properties of layered Li[Ni0.333Co0.333Mn0.293Al0.04]O2â^'zFz cathode materials prepared by the solâ€“gel method. Journal of Power Sources, 2006, 160, 657-661.	4.0	42
146	Electrochemical behavior of Li3V2(PO4)3/C composite cathode material for lithium-ion batteries. Materials Letters, 2008, 62, 1646-1648.	1.3	42
147	Carbon supported Pt hollow nanospheres as anode catalysts for direct borohydride-hydrogen peroxide fuel cells. International Journal of Hydrogen Energy, 2011, 36, 11512-11518.	3.8	42
148	Improving the electrochemical performances of spherical LiNi0.5Mn1.5O4 by Fe2O3 surface coating for lithium-ion batteries. Electrochimica Acta, 2016, 212, 791-799.	2.6	42
149	Carbon-Supported Au Hollow Nanospheres as Anode Catalysts for Direct Borohydrideâ^'Hydrogen Peroxide Fuel Cells. Energy & Fuels, 2009, 23, 4037-4041.	2.5	41
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