

Xiao-Gang Zhang

List of Publications by Year in descending order

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433
papers

38,017
citations

2093

100
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all docs

438
docs citations

438
times ranked

28257
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrathin Mesoporous NiCo ₂ O ₄ Nanosheets Supported on Ni Foam as Advanced Electrodes for Supercapacitors. <i>Advanced Functional Materials</i> , 2012, 22, 4592-4597.	7.8	1,545
2	Formation of nickel cobalt sulfide ball-in-ball hollow spheres with enhanced electrochemical pseudocapacitive properties. <i>Nature Communications</i> , 2015, 6, 6694.	5.8	1,101
3	Facile synthesis and self-assembly of hierarchical porous NiO nano/micro spherical superstructures for high performance supercapacitors. <i>Journal of Materials Chemistry</i> , 2009, 19, 5772.	6.7	830
4	Growth of ultrathin mesoporous Co ₃ O ₄ nanosheet arrays on Ni foam for high-performance electrochemical capacitors. <i>Energy and Environmental Science</i> , 2012, 5, 7883.	15.6	780
5	NiCo ₂ S ₄ Nanosheets Grown on Nitrogen-Doped Carbon Foams as an Advanced Electrode for Supercapacitors. <i>Advanced Energy Materials</i> , 2015, 5, 1400977.	10.2	729
6	Mesoporous NiCo ₂ O ₄ Nanowire Arrays Grown on Carbon Textiles as Binder-Free Flexible Electrodes for Energy Storage. <i>Advanced Functional Materials</i> , 2014, 24, 2630-2637.	7.8	718
7	Self-Templated Formation of Uniform NiCo ₂ O ₄ Hollow Spheres with Complex Interior Structures for Lithium-Ion Batteries and Supercapacitors. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1868-1872.	7.2	713
8	Biomass derived carbon for energy storage devices. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2411-2428.	5.2	632
9	Biomass-derived porous carbon materials with sulfur and nitrogen dual-doping for energy storage. <i>Green Chemistry</i> , 2015, 17, 1668-1674.	4.6	572
10	Controllable Synthesis of Mesoporous Co ₃ O ₄ Nanostructures with Tunable Morphology for Application in Supercapacitors. <i>Chemistry - A European Journal</i> , 2009, 15, 5320-5326.	1.7	503
11	Hydrogenated Li ₄ Ti ₅ O ₁₂ Nanowire Arrays for High Rate Lithium Ion Batteries. <i>Advanced Materials</i> , 2012, 24, 6502-6506.	11.1	451
12	Exploring metal organic frameworks for energy storage in batteries and supercapacitors. <i>Materials Today</i> , 2017, 20, 191-209.	8.3	402
13	Flexible Hybrid Paper Made of Monolayer Co ₃ O ₄ Microsphere Arrays on rGO/CNTs and Their Application in Electrochemical Capacitors. <i>Advanced Functional Materials</i> , 2012, 22, 2560-2566.	7.8	362
14	Self-Sacrifice Template Fabrication of Hierarchical Mesoporous Bi-Component Active ZnO/ZnFe ₂ O ₄ Sub-Microcubes as Superior Anode Towards High-Performance Lithium-Ion Battery. <i>Advanced Functional Materials</i> , 2015, 25, 238-246.	7.8	334
15	Li ₄ Ti ₅ O ₁₂ Nanoparticles Embedded in a Mesoporous Carbon Matrix as a Superior Anode Material for High Rate Lithium Ion Batteries. <i>Advanced Energy Materials</i> , 2012, 2, 691-698.	10.2	321
16	Facile growth of mesoporous Co ₃ O ₄ nanowire arrays on Ni foam for high performance electrochemical capacitors. <i>Journal of Power Sources</i> , 2012, 203, 250-256.	4.0	289
17	Flexible and anti-freezing quasi-solid-state zinc ion hybrid supercapacitors based on pencil shavings derived porous carbon. <i>Energy Storage Materials</i> , 2020, 28, 307-314.	9.5	279
18	Flexible Sodium-Ion Pseudocapacitors Based on 3D Na ₂ Ti ₃ O ₇ Nanosheet Arrays/Carbon Textiles Anodes. <i>Advanced Functional Materials</i> , 2016, 26, 3703-3710.	7.8	270

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19	High performance lithium-sulfur batteries: advances and challenges. Journal of Materials Chemistry A, 2014, 2, 12662-12676.	5.2	269
20	Facile synthesis of hierarchically porous Li ₄ Ti ₅ O ₁₂ microspheres for high rate lithium ion batteries. Journal of Materials Chemistry, 2010, 20, 6998.	6.7	266
21	Sulfur embedded in metal organic framework-derived hierarchically porous carbon nanoplates for high performance lithium-sulfur battery. Journal of Materials Chemistry A, 2013, 1, 4490.	5.2	266
22	Hierarchical porous carbons with layer-by-layer motif architectures from confined soft-template self-assembly in layered materials. Nature Communications, 2017, 8, 15717.	5.8	263
23	Self-Assembled Nb ₂ O ₅ Nanosheets for High Energy/High Power Sodium Ion Capacitors. Chemistry of Materials, 2016, 28, 5753-5760.	3.2	254
24	Hollow mesoporous hetero-NiCo ₂ S ₄ /Co ₉ S ₈ submicro-spindles: unusual formation and excellent pseudocapacitance towards hybrid supercapacitors. Journal of Materials Chemistry A, 2017, 5, 133-144.	5.2	249
25	An advanced high-energy sodium ion full battery based on nanostructured Na ₂ Ti ₃ O ₇ /VOPO ₄ layered materials. Energy and Environmental Science, 2016, 9, 3399-3405.	15.6	247
26	A flexible graphene/multiwalled carbon nanotube film as a high performance electrode material for supercapacitors. Electrochimica Acta, 2011, 56, 5115-5121.	2.6	243
27	Facile template-free synthesis of ultralayered mesoporous nickel cobaltite nanowires towards high-performance electrochemical capacitors. Journal of Materials Chemistry, 2012, 22, 16084.	6.7	241
28	Prussian blue analogues: a new class of anode materials for lithium ion batteries. Journal of Materials Chemistry A, 2014, 2, 5852-5857.	5.2	241
29	Confined Self-Assembly in Two-Dimensional Interlayer Space: Monolayered Mesoporous Carbon Nanosheets with In-Plane Orderly Arranged Mesopores and a Highly Graphitized Framework. Angewandte Chemie - International Edition, 2018, 57, 2894-2898.	7.2	235
30	Flexible Films Derived from Electrospun Carbon Nanofibers Incorporated with Co ₃ O ₄ Hollow Nanoparticles as Self-Supported Electrodes for Electrochemical Capacitors. Advanced Functional Materials, 2013, 23, 3909-3915.	7.8	233
31	2D MXene/SnS ₂ composites as high-performance anodes for sodium ion batteries. Chemical Engineering Journal, 2018, 334, 932-938.	6.6	230
32	Preparation and enhanced capacitance of core-shell polypyrrole/polyaniline composite electrode for supercapacitors. Journal of Power Sources, 2008, 176, 403-409.	4.0	218
33	High-Performance Blue/Ultraviolet-Sensitive ZnSe Nanobelt Photodetectors. Advanced Materials, 2009, 21, 5016-5021.	11.1	217
34	Pseudocapacitive materials for electrochemical capacitors: from rational synthesis to capacitance optimization. National Science Review, 2017, 4, 71-90.	4.6	215
35	Monodisperse Metallic NiCoSe ₂ Hollow Sub-Microspheres: Formation Process, Intrinsic Charge-Storage Mechanism, and Appealing Pseudocapacitance as Highly Conductive Electrode for Electrochemical Supercapacitors. Advanced Functional Materials, 2018, 28, 1705921.	7.8	214
36	Encapsulating Sulfur into Hierarchically Ordered Porous Carbon as a High-Performance Cathode for Lithium-Sulfur Batteries. Chemistry - A European Journal, 2013, 19, 1013-1019.	1.7	212

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37	Novel Potassium-Ion Hybrid Capacitor Based on an Anode of $K_{2Ti_6O_{13}}$ Microscaffolds. ACS Applied Materials & Interfaces, 2018, 10, 15542-15547.	4.0	209
38	Ultra-fast NH_4^+ Storage: Strong H Bonding between NH_4^+ and Bi-layered V_2O_5 . Chem, 2019, 5, 1537-1551.	5.8	207
39	Design and Tailoring of a Three-Dimensional TiO_2 "Graphene" Carbon Nanotube Nanocomposite for Fast Lithium Storage. Journal of Physical Chemistry Letters, 2011, 2, 3096-3101.	2.1	205
40	3D porous layered double hydroxides grown on graphene as advanced electrochemical pseudocapacitor materials. Journal of Materials Chemistry A, 2013, 1, 9046.	5.2	202
41	Enhanced high-current capacitive behavior of graphene/CoAl-layered double hydroxide composites as electrode material for supercapacitors. Journal of Power Sources, 2012, 199, 395-401.	4.0	195
42	General Strategy for Designing Core-Shell Nanostructured Materials for High-Power Lithium Ion Batteries. Nano Letters, 2012, 12, 5673-5678.	4.5	193
43	Electrochemical reduction of CO_2 on RuO_2/TiO_2 nanotubes composite modified Pt electrode. Electrochimica Acta, 2005, 50, 3576-3580.	2.6	191
44	Improvement of the capacitive performances for Co-Al layered double hydroxide by adding hexacyanoferrate into the electrolyte. Physical Chemistry Chemical Physics, 2009, 11, 2195.	1.3	190
45	Pseudocapacitive behaviours of $Na_2Ti_3O_7$ @CNT coaxial nanocables for high-performance sodium-ion capacitors. Journal of Materials Chemistry A, 2015, 3, 21277-21283.	5.2	187
46	Polypyrrole/carbon nanotube nanocomposite enhanced the electrochemical capacitance of flexible graphene film for supercapacitors. Journal of Power Sources, 2012, 197, 319-324.	4.0	185
47	Hydrothermal synthesis of Co_3O_4 microspheres as anode material for lithium-ion batteries. Electrochimica Acta, 2008, 53, 2507-2513.	2.6	182
48	In situ growth of $Li_4Ti_5O_{12}$ on multi-walled carbon nanotubes: novel coaxial nanocables for high rate lithium ion batteries. Journal of Materials Chemistry, 2011, 21, 761-767.	6.7	182
49	In situ synthesis of high-loading $Li_4Ti_5O_{12}$ "graphene hybrid nanostructures for high rate lithium ion batteries. Nanoscale, 2011, 3, 572-574.	2.8	181
50	Chemically tailoring the nanostructure of graphene nanosheets to confine sulfur for high-performance lithium-sulfur batteries. Journal of Materials Chemistry A, 2013, 1, 1096-1101.	5.2	180
51	Facile synthesis of N-doped carbon-coated $Li_4Ti_5O_{12}$ microspheres using polydopamine as a carbon source for high rate lithium ion batteries. Journal of Materials Chemistry A, 2013, 1, 7270.	5.2	177
52	Achieving High-Energy "High-Power Density in a Flexible Quasi-Solid-State Sodium Ion Capacitor. Nano Letters, 2016, 16, 5938-5943.	4.5	171
53	An efficient reduction route for the production of Pd-Pt nanoparticles anchored on graphene nanosheets for use as durable oxygen reduction electrocatalysts. Carbon, 2012, 50, 265-274.	5.4	169
54	Electrochemical capacitance of $NiO/Ru_{0.35}V_{0.65}O_2$ asymmetric electrochemical capacitor. Journal of Power Sources, 2007, 173, 606-612.	4.0	167

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55	Fabrication and electrochemical capacitance of hierarchical graphene/polyaniline/carbon nanotube ternary composite film. <i>Electrochimica Acta</i> , 2011, 56, 9224-9232.	2.6	164
56	Porous Nitrogen-Doped Carbon Nanotubes Derived from Tubular Polypyrrole for Energy Storage Applications. <i>Chemistry - A European Journal</i> , 2013, 19, 12306-12312.	1.7	162
57	Polymer-assisted synthesis of a 3D hierarchical porous network-like spinel NiCo ₂ O ₄ framework towards high-performance electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11145.	5.2	160
58	Polyaniline nanofibers as the electrode material for supercapacitors. <i>Materials Chemistry and Physics</i> , 2008, 112, 127-131.	2.0	159
59	Preparation and properties of Co ₃ O ₄ nanorods as supercapacitor material. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 1871-1876.	1.5	156
60	Pencil Drawing Stable Interface for Reversible and Durable Aqueous Zinc-Ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2006495.	7.8	153
61	Synthesis of NASICON-type structured NaTi ₂ (PO ₄) ₃ "graphene nanocomposite as an anode for aqueous rechargeable Na-ion batteries. <i>Nanoscale</i> , 2014, 6, 6328-6334.	2.8	152
62	Hierarchically Porous Carbon Encapsulating Sulfur as a Superior Cathode Material for High Performance Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 194-199.	4.0	152
63	Few-Layer MXenes Delaminated via High-Energy Mechanical Milling for Enhanced Sodium-Ion Batteries Performance. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 39610-39617.	4.0	152
64	Microwave-assisted synthesis and electrochemical capacitance of polyaniline/multi-wall carbon nanotubes composite. <i>Electrochemistry Communications</i> , 2007, 9, 2859-2862.	2.3	150
65	High rate capability and superior cycle stability of a flower-like Sb ₂ S ₃ anode for high-capacity sodium ion batteries. <i>Nanoscale</i> , 2015, 7, 3309-3315.	2.8	147
66	Conductive graphene oxide-polyacrylic acid (GOPAA) binder for lithium-sulfur battery. <i>Nano Energy</i> , 2017, 31, 568-574.	8.2	147
67	Graphene Caging Silicon Particles for High-Performance Lithium-Ion Batteries. <i>Small</i> , 2018, 14, e1800635.	5.2	146
68	Zinc cobalt sulfide nanosheets grown on nitrogen-doped graphene/carbon nanotube film as a high-performance electrode for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11256-11263.	5.2	145
69	Nasicon-Type Surface Functional Modification in Core-Shell LiNi _{0.5} Mn _{0.3} Co _{0.2} O ₂ @NaTi ₂ (PO ₄) ₃ Cathode Enhances Its High-Voltage Cycling Stability and Rate Capacity toward Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 5498-5510.	4.0	145
70	Preparation of urchinlike NiO nanostructures and their electrochemical capacitive behaviors. <i>Materials Research Bulletin</i> , 2006, 41, 620-627.	2.7	141
71	An All-Stretchable-Component Sodium-Ion Full Battery. <i>Advanced Materials</i> , 2017, 29, 1700898.	11.1	141
72	Progress on zinc ion hybrid supercapacitors: Insights and challenges. <i>Energy Storage Materials</i> , 2020, 31, 252-266.	9.5	141

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73	Metal-free energy storage systems: combining batteries with capacitors based on a methylene blue functionalized graphene cathode. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19668-19675.	5.2	138
74	Synthesis and utilization of RuO ₂ ·xH ₂ O nanodots well dispersed on poly(sodium 4-styrene sulfonate) functionalized multi-walled carbon nanotubes for supercapacitors. <i>Journal of Materials Chemistry</i> , 2009, 19, 246-252.	6.7	136
75	Studies on Me/Al-layered double hydroxides (Me = Ni and Co) as electrode materials for electrochemical capacitors. <i>Electrochimica Acta</i> , 2004, 49, 3137-3141.	2.6	133
76	Hierarchical NiCo ₂ O ₄ nanosheets/nitrogen doped graphene/carbon nanotube film with ultrahigh capacitance and long cycle stability as a flexible binder-free electrode for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 689-698.	5.2	131
77	TiNb ₂ O ₇ nanoparticles assembled into hierarchical microspheres as high-rate capability and long-cycle-life anode materials for lithium ion batteries. <i>Nanoscale</i> , 2015, 7, 619-624.	2.8	129
78	Encapsulating sulfur into mesoporous TiO ₂ host as a high performance cathode for lithium-sulfur battery. <i>Electrochimica Acta</i> , 2013, 107, 78-84.	2.6	128
79	Bacterial-cellulose-derived interconnected meso-microporous carbon nanofiber networks as binder-free electrodes for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2017, 352, 34-41.	4.0	128
80	Insights on the Proton Insertion Mechanism in the Electrode of Hexagonal Tungsten Oxide Hydrate. <i>Journal of the American Chemical Society</i> , 2018, 140, 11556-11559.	6.6	128
81	One-Pot Synthesis of Graphene-Supported Monodisperse Pd Nanoparticles as Catalyst for Formic Acid Electro-oxidation. <i>Scientific Reports</i> , 2014, 4, 4501.	1.6	127
82	Growth of 3D SnO ₂ nanosheets on carbon cloth as a binder-free electrode for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15057-15067.	5.2	126
83	Preparation and properties of polystyrene nanocomposites with graphite oxide and graphene as flame retardants. <i>Journal of Materials Science</i> , 2013, 48, 4214-4222.	1.7	125
84	Nanosheets assembled layered MoS ₂ /MXene as high performance anode materials for potassium ion batteries. <i>Journal of Power Sources</i> , 2020, 449, 227481.	4.0	125
85	MoS ₂ Nanosheet Decorated 2D Titanium Carbide (MXene) as High-Performance Anodes for Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2017, 4, 1560-1565.	1.7	123
86	A sustainable route from corn stalks to N, P-dual doping carbon sheets toward high performance sodium-ion batteries anode. <i>Carbon</i> , 2018, 130, 664-671.	5.4	123
87	Electrochemical capacitance of polypyrrole nanowire prepared by using cetyltrimethylammonium bromide (CTAB) as soft template. <i>Materials Chemistry and Physics</i> , 2007, 101, 367-371.	2.0	122
88	Mesoporous Silicon Anodes by Using Polybenzimidazole Derived Pyrrolic N-Enriched Carbon toward High-Energy Li-Ion Batteries. <i>ACS Energy Letters</i> , 2017, 2, 1279-1287.	8.8	122
89	Mesoporous NiO with various hierarchical nanostructures by quasi-nanotubes/nanowires/nanorod self-assembly: controllable preparation and application in supercapacitors. <i>CrystEngComm</i> , 2011, 13, 626-632.	1.3	121
90	Pd nanoparticles supported on functionalized multi-walled carbon nanotubes (MWCNTs) and electrooxidation for formic acid. <i>Journal of Power Sources</i> , 2008, 175, 26-32.	4.0	118

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91	Preparation and electrochemistry of one-dimensional nanostructured MnO ₂ /PPy composite for electrochemical capacitor. <i>Applied Surface Science</i> , 2010, 256, 4339-4343.	3.1	118
92	Template-engaged synthesis of uniform mesoporous hollow NiCo ₂ O ₄ sub-microspheres towards high-performance electrochemical capacitors. <i>RSC Advances</i> , 2013, 3, 18573.	1.7	118
93	Rational Design of Void-Involved Si@TiO ₂ Nanospheres as High-Performance Anode Material for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 6497-6503.	4.0	117
94	Enhanced electrochemical stability and charge storage of MnO ₂ /carbon nanotubes composite modified by polyaniline coating layer in acidic electrolytes. <i>Electrochimica Acta</i> , 2008, 53, 7039-7047.	2.6	116
95	Lysine-assisted hydrothermal synthesis of urchin-like ordered arrays of mesoporous Co(OH) ₂ nanowires and their application in electrochemical capacitors. <i>Journal of Materials Chemistry</i> , 2010, 20, 10809.	6.7	115
96	Synthesis and electrochemical capacitance of core-shell poly (3,4-ethylenedioxythiophene)/poly (sodium 4-styrenesulfonate)-modified multiwalled carbon nanotube nanocomposites. <i>Electrochimica Acta</i> , 2009, 54, 2335-2341.	2.6	112
97	Electrochemically induced transformation of NiS nanoparticles into Ni(OH) ₂ in KOH aqueous solution toward electrochemical capacitors. <i>Electrochimica Acta</i> , 2011, 56, 7454-7459.	2.6	112
98	Preparation of activated carbon from waste <i>Camellia oleifera</i> shell for supercapacitor application. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 2179-2186.	1.2	109
99	Advanced Energy Storage Architectures Composed of Spinel Lithium Metal Oxide Nanocrystal on Carbon Textiles. <i>Advanced Energy Materials</i> , 2013, 3, 1484-1489.	10.2	109
100	Ge-graphene-carbon nanotube composite anode for high performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1498-1503.	5.2	105
101	A novel coronene//Na ₂ Ti ₃ O ₇ dual-ion battery. <i>Nano Energy</i> , 2017, 40, 233-239.	8.2	103
102	Interface synthesis of mesoporous MnO ₂ and its electrochemical capacitive behaviors. <i>Journal of Colloid and Interface Science</i> , 2008, 322, 545-550.	5.0	101
103	High capacitive performance of nanostructured Mn-Ni-Co oxide composites for supercapacitor. <i>Materials Research Bulletin</i> , 2008, 43, 1119-1125.	2.7	101
104	Nitrogen-doped carbon coated Li ₄ Ti ₅ O ₁₂ nanocomposite: Superior anode materials for rechargeable lithium ion batteries. <i>Journal of Power Sources</i> , 2013, 221, 122-127.	4.0	100
105	MXene debris modified eggshell membrane as separator for high-performance lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2018, 352, 695-703.	6.6	100
106	Solid-state lithium-sulfur batteries: Advances, challenges and perspectives. <i>Materials Today</i> , 2020, 40, 114-131.	8.3	100
107	Investigation of Nonionic Surfactant Dynol-604 Based Reverse Microemulsions Formed in Supercritical Carbon Dioxide. <i>Langmuir</i> , 2001, 17, 8040-8043.	1.6	99
108	Ultrasonic synthesis of highly dispersed Pt nanoparticles supported on MWCNTs and their electrocatalytic activity towards methanol oxidation. <i>Carbon</i> , 2007, 45, 2424-2432.	5.4	99

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109	Mesoporous NaTi ₂ (PO ₄) ₃ /CMK-3 nanohybrid as anode for long-life Na-ion batteries. Journal of Materials Chemistry A, 2014, 2, 20659-20666.	5.2	99
110	A novel aqueous ammonium dual-ion battery based on organic polymers. Journal of Materials Chemistry A, 2019, 7, 11314-11320.	5.2	99
111	Facile interfacial synthesis of flower-like hierarchical α -MnO ₂ sub-microspherical superstructures constructed by two-dimension mesoporous nanosheets and their application in electrochemical capacitors. Journal of Materials Chemistry, 2011, 21, 16035.	6.7	96
112	Graphene nanosheets-polypyrrole hybrid material as a highly active catalyst support for formic acid electro-oxidation. Nanoscale, 2011, 3, 3277.	2.8	96
113	Three-dimensionally ordered porous TiNb ₂ O ₇ nanotubes: a superior anode material for next generation hybrid supercapacitors. Journal of Materials Chemistry A, 2015, 3, 16785-16790.	5.2	96
114	Prussian Blue Analogue with Fast Kinetics Through Electronic Coupling for Sodium Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 20306-20312.	4.0	96
115	Engineering Ultrathin MoS ₂ Nanosheets Anchored on N-Doped Carbon Microspheres with Pseudocapacitive Properties for High-Performance Lithium-Ion Capacitors. Small Methods, 2019, 3, 1900081.	4.6	96
116	Absorption mechanism of carbon-nanotube paper-titanium dioxide as a multifunctional barrier material for lithium-sulfur batteries. Nano Research, 2015, 8, 3066-3074.	5.8	95
117	Flexible metal-organic frameworks as superior cathodes for rechargeable sodium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 16590-16597.	5.2	94
118	Highly stable lithium ion capacitor enabled by hierarchical polyimide derived carbon microspheres combined with 3D current collectors. Journal of Materials Chemistry A, 2017, 5, 23283-23291.	5.2	94
119	A thin multifunctional coating on a separator improves the cyclability and safety of lithium sulfur batteries. Chemical Science, 2017, 8, 6619-6625.	3.7	94
120	Highly enhanced lithium storage capability of LiNi _{0.5} Mn _{1.5} O ₄ by coating with Li ₂ TiO ₃ for Li-ion batteries. Journal of Materials Chemistry A, 2014, 2, 18256-18262.	5.2	93
121	Preparation of ZnCo ₂ O ₄ nanoflowers on a 3D carbon nanotube/nitrogen-doped graphene film and its electrochemical capacitance. Journal of Materials Chemistry A, 2015, 3, 21891-21898.	5.2	93
122	Preparation and characterization of pyrrole/aniline copolymer nanofibrils using the template-synthesis method. Journal of Applied Polymer Science, 2001, 81, 3002-3007.	1.3	92
123	Effect of calcination temperature on the morphology and electrochemical properties of Co ₃ O ₄ for lithium-ion battery. Electrochimica Acta, 2009, 54, 4180-4185.	2.6	92
124	Simple preparation of Pd-Pt nanoalloy catalysts for methanol-tolerant oxygen reduction. Journal of Power Sources, 2010, 195, 1046-1050.	4.0	92
125	A modified molten-salt method to prepare graphene electrode with high capacitance and low self-discharge rate. Carbon, 2016, 102, 255-261.	5.4	92
126	Soft template synthesis of mesoporous Co ₃ O ₄ /RuO ₂ ·xH ₂ O composites for electrochemical capacitors. Electrochimica Acta, 2008, 53, 3296-3304.	2.6	91

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127	High-voltage $\text{LiNi}_{0.45}\text{Cr}_{0.1}\text{Mn}_{1.45}\text{O}_4$ Cathode with Superlong Cycle Performance for Wide Temperature Lithium-ion Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1704808.	7.8	91
128	Preparation and electrochemical capacitance of hierarchical graphene/polypyrrole/carbon nanotube ternary composites. <i>Electrochimica Acta</i> , 2012, 69, 160-166.	2.6	90
129	Enhanced cycling performance and electrochemical reversibility of a novel sulfur-impregnated mesoporous hollow TiO_2 sphere cathode for advanced Li-S batteries. <i>Nanoscale</i> , 2013, 5, 5743.	2.8	90
130	Preparation of a two-dimensional flexible MnO_2 /graphene thin film and its application in a supercapacitor. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10618-10626.	5.2	90
131	Sodium-ion capacitors: Materials, Mechanism, and Challenges. <i>ChemSusChem</i> , 2020, 13, 2522-2539.	3.6	90
132	Self-sacrifice Template Formation of Hollow Hetero- $\text{Ni}_7\text{S}_6/\text{Co}_3\text{S}_4$ Nanoboxes with Intriguing Pseudo-capacitance for High-performance Electrochemical Capacitors. <i>Scientific Reports</i> , 2016, 6, 20973.	1.6	89
133	Large-scale Co_3O_4 nanoparticles growing on nickel sheets via a one-step strategy and their ultra-highly reversible redox reaction toward supercapacitors. <i>Journal of Materials Chemistry</i> , 2011, 21, 18183.	6.7	88
134	Progress of Nanostructured Electrode Materials for Supercapacitors. <i>Advanced Sustainable Systems</i> , 2018, 2, 1700110.	2.7	87
135	Ammonia, a Switch for Controlling High Ionic Conductivity in Lithium Borohydride Ammoniates. <i>Joule</i> , 2018, 2, 1522-1533.	11.7	87
136	Three-Dimensional Coherent Titania-Mesoporous Carbon Nanocomposite and Its Lithium-Ion Storage Properties. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 2985-2992.	4.0	84
137	Electrochemical insertion of magnesium ions into V_2O_5 from aprotic electrolytes with varied water content. <i>Journal of Colloid and Interface Science</i> , 2004, 278, 160-165.	5.0	83
138	Fabrication of porous carbon spheres for high-performance electrochemical capacitors. <i>RSC Advances</i> , 2014, 4, 7538.	1.7	83
139	Mesoporous N-containing carbon nanosheets towards high-performance electrochemical capacitors. <i>Carbon</i> , 2013, 64, 141-149.	5.4	82
140	<i>Ad hoc</i> solid electrolyte on acidized carbon nanotube paper improves cycle life of lithium-sulfur batteries. <i>Energy and Environmental Science</i> , 2017, 10, 2544-2551.	15.6	82
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