Li-Jie Ci

List of Publications by Year
in descending order

292 papers	27,247 citations	11608 70 h-index	6454 157 g-index
294 all docs	294 docs citations	294 times ranked	32141 citing authors

#	Article	IF	Citations
1	New insights into the structure and reduction of graphite oxide. Nature Chemistry, 2009, 1, 403-408.	6.6	2,355
2	Large Scale Growth and Characterization of Atomic Hexagonal Boron Nitride Layers. Nano Letters, 2010, 10, 3209-3215.	4.5	2,317
3	Atomic layers of hybridized boron nitride and graphene domains. Nature Materials, 2010, 9, 430-435.	13.3	2,002
4	Direct laser writing of micro-supercapacitors on hydrated graphite oxide films. Nature Nanotechnology, 2011, 6, 496-500.	15.6	1,322
5	Flexible energy storage devices based on nanocomposite paper. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13574-13577.	3.3	1,032
6	Catalytic performance of Pt nanoparticles on reduced graphene oxide for methanol electro-oxidation. Carbon, 2010, 48, 1124-1130.	5.4	898
7	Experimental Observation of an Extremely Dark Material Made By a Low-Density Nanotube Array. Nano Letters, 2008, 8, 446-451.	4.5	614
8	Controlled nanocutting of graphene. Nano Research, 2008, 1, 116-122.	5.8	472
9	Direct growth of aligned carbon nanotubes on bulk metals. Nature Nanotechnology, 2006, 1, 112-116.	15.6	416
10	Investigation of the interfacial reaction between multi-walled carbon nanotubes and aluminum. Acta Materialia, 2006, 54, 5367-5375.	3.8	403
11	Carbon nanotube-based synthetic gecko tapes. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10792-10795.	3.3	400
12	Facile Fabrication of Nitrogenâ€Doped Porous Carbon as Superior Anode Material for Potassiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1802386.	10.2	393
13	Longitudinal Cutting of Pure and Doped Carbon Nanotubes to Form Graphitic Nanoribbons Using Metal Clusters as Nanoscalpels. Nano Letters, 2010, 10, 366-372.	4.5	323
14	Commercial expanded graphite as a lowâ€“cost, long-cycling life anode for potassiumâ€“ion batteries with conventional carbonate electrolyte. Journal of Power Sources, 2018, 378, 66-72.	4.0	299
15	Continuous Carbon Nanotube Reinforced Composites. Nano Letters, 2008, 8, 2762-2766.	4.5	289
16	Fatigue resistance of aligned carbon nanotube arrays under cyclic compression. Nature Nanotechnology, 2007, 2, 417-421.	15.6	281
17	Green, Scalable, and Controllable Fabrication of Nanoporous Silicon from Commercial Alloy Precursors for High-Energy Lithium-Ion Batteries. ACS Nano, 2018, 12, 4993-5002.	7.3	269
18	Quasi-Molecular Fluorescence from Graphene Oxide. Scientific Reports, 2011, 1, 85.	1.6	253

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19	High performance agar/graphene oxide composite aerogel for methylene blue removal. Carbohydrate Polymers, 2017, 155, 345-353.	5.1	251
20	Novel Liquid Precursor-Based Facile Synthesis of Large-Area Continuous, Single, and Few-Layer Graphene Films. Chemistry of Materials, 2010, 22, 3457-3461.	3.2	239
21	Micron-Sized Nanoporous Antimony with Tunable Porosity for High-Performance Potassium-Ion Batteries. ACS Nano, 2018, 12, 12932-12940.	7.3	223
22	Vacuum distillation derived 3D porous current collector for stable lithiumâ€“metal batteries. Nano Energy, 2018, 47, 503-511.	8.2	221
23	Gecko-Inspired Carbon Nanotube-Based Self-Cleaning Adhesives. Nano Letters, 2008, 8, 822-825.	4.5	220
24	The reinforcement role of carbon nanotubes in epoxy composites with different matrix stiffness. Composites Science and Technology, 2006, 66, 599-603.	3.8	196
25	Synthesis of hybrid nanowire arrays and their application as high power supercapacitor electrodes. Chemical Communications, 2008, , 2373.	2.2	180
26	Polarity-Dependent Electrochemically Controlled Transport of Water through Carbon Nanotube Membranes. Nano Letters, 2007, 7, 697-702.	4.5	176
27	Synthesis of S-doped graphene by liquid precursor. Nanotechnology, 2012, 23, 275605.	1.3	169
28	Nanostructured VO₂ Photocatalysts for Hydrogen Production. ACS Nano, 2008, 2, 1492-1496.	7.3	162
29	Double wall carbon nanotubes promoted by sulfur in a floating iron catalyst CVD system. Chemical Physics Letters, 2002, 359, 63-67.	1.2	155
30	Graphene Shape Control by Multistage Cutting and Transfer. Advanced Materials, 2009, 21, 4487-4491.	11.1	149
31	Growth of SnO 2 nanowires with uniform branched structures. Solid State Communications, 2004, 130, 89-94.	0.9	148
32	High performance graphene oxide nanofiltration membrane prepared by electrospraying for wastewater purification. Carbon, 2018, 130, 487-494.	5.4	144
33	Graphene oxide based membrane intercalated by nanoparticles for high performance nanofiltration application. Chemical Engineering Journal, 2018, 347, 12-18.	6.6	143
34	Foldable potassium-ion batteries enabled by free-standing and flexible SnS₂@C nanofibers. Energy and Environmental Science, 2021, 14, 424-436.	15.6	142
35	Ultrathick Freestanding Aligned Carbon Nanotube Films. Advanced Materials, 2007, 19, 3300-3303.	11.1	136
36	A large-area free-standing graphene oxide multilayer membrane with high stability for nanofiltration applications. Chemical Engineering Journal, 2018, 345, 536-544.	6.6	136

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37	Carbon nanofibers and single-walled carbon nanotubes prepared by the floating catalyst method. Carbon, 2001, 39, 329-335.	5.4	133
38	Direct Synthesis of a Macroscale Single-Walled Carbon Nanotube Non-Woven Material. Advanced Materials, 2004, 16, 1529-1534.	11.1	131
39	Tuning the Dirac Point in CVD-Grown Graphene through Solution Processed n-Type Doping with 2-(2-Methoxyphenyl)-1,3-dimethyl-2,3-dihydro-1H-benzoimidazole. Nano Letters, 2013, 13, 1890-1897.	4.5	129
40	Lithium Dendrite Suppression and Enhanced Interfacial Compatibility Enabled by an Ex Situ SEI on Li Anode for LAGP-Based All-Solid-State Batteries. ACS Applied Materials & Interfaces, 2018, 10, 18610-18618.	4.0	123
41	Direct Synthesis of Lithium-Intercalated Graphene for Electrochemical Energy Storage Application. ACS Nano, 2011, 5, 4345-4349.	7.3	120
42	Nanoporous Red Phosphorus on Reduced Graphene Oxide as Superior Anode for Sodium-Ion Batteries. ACS Nano, 2018, 12, 7380-7387.	7.3	120
43	Hierarchically porous carbon supported Sn4P3 as a superior anode material for potassium-ion batteries. Energy Storage Materials, 2019, 23, 367-374.	9.5	120
44	Structural Engineering of SnS₂ Encapsulated in Carbon Nanoboxes for Highâ€Performance Sodium/Potassiumâ€Ion Batteries Anodes. Small, 2020, 16, e2005023.	5.2	120
45	The growth of multi-walled carbon nanotubes with different morphologies on carbon fibers. Carbon, 2005, 43, 663-665.	5.4	118
46	Transfer Printing of Graphene Using Gold Film. ACS Nano, 2009, 3, 1353-1356.	7.3	115
47	Flexible all-solid-state supercapacitors based on freestanding, binder-free carbon nanofibers@polypyrrole@graphene film. Chemical Engineering Journal, 2018, 334, 184-190.	6.6	113
48	A Review of the Role of Solvents in Formation of High-Quality Solution-Processed Perovskite Films. ACS Applied Materials & Interfaces, 2019, 11, 7639-7654.	4.0	113
49	Core-shell structured carbon nanofibers yarn@polypyrrole@graphene for high performance all-solid-state fiber supercapacitors. Carbon, 2018, 138, 264-270.	5.4	110
50	Nitrogen-doped carbon derived from pre-oxidized pitch for surface dominated potassium-ion storage. Carbon, 2019, 155, 601-610.	5.4	110
51	Stable all-solid-state potassium battery operating at room temperature with a composite polymer electrolyte and a sustainable organic cathode. Journal of Power Sources, 2018, 399, 294-298.	4.0	109
52	Crystallization behavior of the amorphous carbon nanotubes prepared by the CVD method. Journal of Crystal Growth, 2001, 233, 823-828.	0.7	104
53	Aluminum/graphene composites with enhanced heat-dissipation properties by in-situ reduction of graphene oxide on aluminum particles. Journal of Alloys and Compounds, 2018, 748, 854-860.	2.8	103
54	Chemical dealloying synthesis of porous silicon anchored by in situ generated graphene sheets as anode material for lithium-ion batteries. Journal of Power Sources, 2015, 287, 177-183.	4.0	102

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55	Hierarchical layer-by-layer porous FeCo₂S₄@Ni(OH)₂ arrays for all-solid-state asymmetric supercapacitors. Journal of Materials Chemistry A, 2018, 6, 20480-20490.	5.2	102
56	Conformal Coating of Thin Polymer Electrolyte Layer on Nanostructured Electrode Materials for Three-Dimensional Battery Applications. Nano Letters, 2011, 11, 101-106.	4.5	98
57	Surfaceâ€Confined SnS₂@C@rGO as Highâ€Performance Anode Materials for Sodiumâ€and Potassiumâ€Ion Batteries. ChemSusChem, 2019, 12, 2689-2700.	3.6	98
58	Preparation of carbon nanofibers by the floating catalyst method. Carbon, 2000, 38, 1933-1937.	5.4	96
59	A titanium-based metalâ€“organic framework as an ultralong cycle-life anode for PIBs. Chemical Communications, 2017, 53, 8360-8363.	2.2	94
60	Hierarchical Porous Chitosan Sponges as Robust and Recyclable Adsorbents for Anionic Dye Adsorption. Scientific Reports, 2017, 7, 18054.	1.6	94
61	Lithium-conducting covalent-organic-frameworks as artificial solid-electrolyte-interphase on silicon anode for high performance lithium ion batteries. Nano Energy, 2020, 72, 104657.	8.2	93
62	Impact of carbon nanotube exposure, dosage and aggregation on smooth muscle cells. Toxicology Letters, 2007, 169, 51-63.	0.4	91
63	Li7P3S11/poly(ethylene oxide) hybrid solid electrolytes with excellent interfacial compatibility for all-solid-state batteries. Journal of Power Sources, 2018, 400, 212-217.	4.0	88
64	Combined micro-/nanoscale surface roughness for enhanced hydrophobic stability in carbon nanotube arrays. Applied Physics Letters, 2007, 90, 143117.	1.5	87
65	Potassium gluconate-derived N/S Co-doped carbon nanosheets as superior electrode materials for supercapacitors and sodium-ion batteries. Journal of Power Sources, 2019, 414, 308-316.	4.0	87
66	Hydrogen uptake by graphitized multi-walled carbon nanotubes under moderate pressure and at room temperature. Carbon, 2001, 39, 2077-2079.	5.4	86
67	Metalâ€“Organic Framework Derived Iron Sulfideâ€“Carbon Coreâ€“Shell Nanorods as a Conversion-Type Battery Material. ACS Sustainable Chemistry and Engineering, 2017, 5, 5039-5048.	3.2	82
68	Fabrication of high quality perovskite films by modulating the Pbâ€“O bonds in Lewis acidâ€“base adducts. Journal of Materials Chemistry A, 2017, 5, 8416-8422.	5.2	73
69	High efficient adsorption and storage of iodine on S, N co-doped graphene aerogel. Journal of Hazardous Materials, 2019, 373, 705-715.	6.5	73
70	Controllable growth of single wall carbon nanotubes by pyrolizing acetylene on the floating iron catalysts. Chemical Physics Letters, 2001, 349, 191-195.	1.2	72
71	Aligned Carbon Nanotube Stationary Phases for Electrochromatographic Chip Separations. Chromatographia, 2009, 69, 473-480.	0.7	72
72	Walnut-inspired microsized porous silicon/graphene coreâ€“shell composites for high-performance lithium-ion battery anodes. Nano Research, 2017, 10, 4274-4283.	5.8	72

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73	Self-supported multidimensional Niâ€“Fe phosphide networks with holey nanosheets for high-performance all-solid-state supercapacitors. Journal of Materials Chemistry A, 2019, 7, 17386-17399.	5.2	72
74	Nitrogen and sulfur co-doped porous carbon fibers film for flexible symmetric all-solid-state supercapacitors. Carbon, 2020, 158, 456-464.	5.4	72
75	Annealing amorphous carbon nanotubes for their application in hydrogen storage. Applied Surface Science, 2003, 205, 39-43.	3.1	70
76	Preparation of highly pure double-walled carbon nanotubes. Journal of Materials Chemistry, 2003, 13, 1340.	6.7	70
77	Observation of Dynamic Strain Hardening in Polymer Nanocomposites. ACS Nano, 2011, 5, 2715-2722.	7.3	70
78	Temperature dependence of resonant Raman scattering in double-wall carbon nanotubes. Applied Physics Letters, 2003, 82, 3098-3100.	1.5	69
79	Vertically Aligned Large-Diameter Double-Walled Carbon Nanotube Arrays Having Ultralow Density. Journal of Physical Chemistry C, 2007, 111, 9077-9080.	1.5	69
80	Air-assisted growth of ultra-long carbon nanotube bundles. Nanotechnology, 2008, 19, 455609.	1.3	66
81	Tensile properties of millimeter-long multi-walled carbon nanotubes. Scientific Reports, 2017, 7, 9512.	1.6	66
82	Effect of Nitrogen Doping on the Mechanical Properties of Carbon Nanotubes. ACS Nano, 2010, 4, 7637-7643.	7.3	65
83	Dendrite-free Li metal anode enabled by a 3D free-standing lithiophilic nitrogen-enriched carbon sponge. Journal of Power Sources, 2018, 386, 77-84.	4.0	65
84	High-performance red phosphorus/carbon nanofibers/graphene free-standing paper anode for sodium ion batteries. Journal of Materials Chemistry A, 2018, 6, 1574-1581.	5.2	65
85	Nonflammable electrolyte for safer non-aqueous sodium batteries. Journal of Materials Chemistry A, 2015, 3, 14539-14544.	5.2	64
86	Tunable synthesis of LixMnO2 nanowires for aqueous Li-ion hybrid supercapacitor with high rate capability and ultra-long cycle life. Journal of Power Sources, 2019, 413, 302-309.	4.0	63
87	Controllable growth of double wall carbon nanotubes in a floating catalytic system. Carbon, 2003, 41, 337-342.	5.4	62
88	Well-defined cobalt sulfide nanoparticles locked in 3D hollow nitrogen-doped carbon shells for superior lithium and sodium storage. Energy Storage Materials, 2019, 18, 114-124.	9.5	62
89	Novel Micro/Nanoscale Hybrid Reinforcement: Multiwalled Carbon Nanotubes on SiC Particles. Advanced Materials, 2004, 16, 2021-2024.	11.1	60
90	Surfactant-dependent flower- and grass-like Zn_{0.76}Co_{0.24}S/Co₃S₄ for high-performance all-solid-state asymmetric supercapacitors. Journal of Materials Chemistry A, 2018, 6, 22830-22839.	5.2	60

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91	Synthesis, Characterization, and Electrochemical Properties of Cu₃V₂O₇(OH)₂Â·2H₂O Nanostructures. Journal of Physical Chemistry C, 2009, 113, 8624-8629.	1.5	59
92	Effective synthetic strategy for Zn_{0.76}Co_{0.24}S encapsulated in stabilized N-doped carbon nanoarchitecture towards ultra-long-life hybrid supercapacitors. Journal of Materials Chemistry A, 2019, 7, 14670-14680.	5.2	59
93	Direct growth of carbon nanotubes on the surface of ceramic fibers. Carbon, 2005, 43, 883-886.	5.4	58
94	Design and Reinforcement: Vertically Aligned Carbon Nanotube-Based Sandwich Composites. ACS Nano, 2010, 4, 6798-6804.	7.3	58
95	Fabrication of Perovskite Films with Large Columnar Grains via Solvent-Mediated Ostwald Ripening for Efficient Inverted Perovskite Solar Cells. ACS Applied Energy Materials, 2018, 1, 868-875.	2.5	58
96	Ultrathin carbon nanosheets for highly efficient capacitive K-ion and Zn-ion storage. Journal of Materials Chemistry A, 2020, 8, 22874-22885.	5.2	58
97	Large-Scale Synthesis of Rings of Bundled Single-Walled Carbon Nanotubes by Floating Chemical Vapor Deposition. Advanced Materials, 2006, 18, 1817-1821.	11.1	57
98	Control of the morphology of PbI₂ films for efficient perovskite solar cells by strong Lewis base additives. Journal of Materials Chemistry C, 2017, 5, 7458-7464.	2.7	57
99	Three-dimensional iron sulfide-carbon interlocked graphene composites for high-performance sodium-ion storage. Nanoscale, 2018, 10, 7851-7859.	2.8	56
100	An effective way to lower catalyst content in well-aligned carbon nanotube films. Carbon, 2001, 39, 152-155.	5.4	55
101	Vertical aligned carbon nanotubes grown on Au film and reduction of threshold field in field emission. Chemical Physics Letters, 2001, 335, 150-154.	1.2	55
102	Effects of compressive strains on electrical conductivities of a macroscale carbon nanotube block. Applied Physics Letters, 2007, 91, .	1.5	54
103	Synergic mechanism of adsorption and metal-free catalysis for phenol degradation by N-doped graphene aerogel. Chemosphere, 2018, 191, 389-399.	4.2	54
104	Artificial Solid Electrolyte Interphase Coating to Reduce Lithium Trapping in Silicon Anode for High Performance Lithiumâ€ion Batteries. Advanced Materials Interfaces, 2019, 6, 1901187.	1.9	54
105	Temperature Dependence of the Raman Spectra of Individual Carbon Nanotubes. Journal of Physical Chemistry B, 2006, 110, 1206-1209.	1.2	53
106	Sandwichâ€Like FeCl₃@C as Highâ€Performance Anode Materials for Potassiumâ€ion Batteries. Advanced Materials Interfaces, 2018, 5, 1800606.	1.9	53
107	Multifunctional Macroarchitectures of Double-Walled Carbon Nanotube Fibers. Advanced Materials, 2007, 19, 1719-1723.	11.1	52
108	Facilely tunable core-shell Si@SiOx nanostructures prepared in aqueous solution for lithium ion battery anode. Electrochimica Acta, 2020, 342, 136068.	2.6	52

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109	Effect of H2O adsorption on the electrical transport properties of double-walled carbon nanotubes. Carbon, 2006, 44, 2155-2159.	5.4	51
110	Engineering Low-Aspect Ratio Carbon Nanostructures: Nanocups, Nanorings, and Nanocontainers. ACS Nano, 2009, 3, 1274-1278.	7.3	51
111	Vaporâ˜Solid Reaction for Silicon Carbide Hollow Spherical Nanocrystals. Journal of Physical Chemistry C, 2007, 111, 12517-12521.	1.5	50
112	Commercial carbon cloth: An emerging substrate for practical lithium metal batteries. Energy Storage Materials, 2022, 48, 172-190.	9.5	50
113	Metalâ€“organic framework-derived graphene@nitrogen doped carbon@ultrafine TiO₂ nanocomposites as high rate and long-life anodes for sodium ion batteries. Chemical Communications, 2016, 52, 12810-12812.	2.2	48
114	Non-Flammable Phosphate Electrolyte with High Salt-to-Solvent Ratios for Safe Potassium-Ion Battery. Journal of the Electrochemical Society, 2019, 166, A1217-A1222.	1.3	48
115	Composite solid electrolyte of Na3PS4-PEO for all-solid-state SnS2/Na batteries with excellent interfacial compatibility between electrolyte and Na metal. Journal of Energy Chemistry, 2020, 41, 73-78.	7.1	48
116	Characterization of zinc oxide crystal nanowires grown by thermal evaporation of ZnS powders. Chemical Physics Letters, 2003, 371, 337-341.	1.2	47
117	On the growth mechanism of nickel and cobalt nanowires and comparison of their magnetic properties. Nano Research, 2008, 1, 465-473.	5.8	47
118	Cooperative Adhesion and Friction of Compliant Nanohairs. Nano Letters, 2010, 10, 4509-4513.	4.5	47
119	Experimental observation of extremely weak optical scattering from an interlocking carbon nanotube array. Applied Optics, 2011, 50, 1850.	2.1	47
120	Direct growth of aligned graphitic nanoribbons from a DNA template by chemical vapour deposition. Nature Communications, 2013, 4, 2402.	5.8	47
121	Elucidating the Key Role of a Lewis Base Solvent in the Formation of Perovskite Films Fabricated from the Lewis Adduct Approach. ACS Applied Materials & Interfaces, 2017, 9, 32868-32875.	4.0	47
122	One-pot solvothermal synthesis of graphene wrapped rice-like ferrous carbonate nanoparticles as anode materials for high energy lithium-ion batteries. Nanoscale, 2015, 7, 232-239.	2.8	46
123	Nanostructured LiMn2O4 composite as high-rate cathode for high performance aqueous Li-ion hybrid supercapacitors. Journal of Power Sources, 2018, 392, 116-122.	4.0	46
124	Growth mechanism of Y-junction carbon nanotubes. Diamond and Related Materials, 2002, 11, 1349-1352.	1.8	45
125	Experimental investigation of mechanical properties of UV-Curable 3D printing materials. Polymer, 2018, 145, 88-94.	1.8	45
126	Mechanistic Insights into the Structural Modulation of Transition Metal Selenides to Boost Potassium Ion Storage Stability. ACS Nano, 2021, 15, 14697-14708.	7.3	44

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127	Raman scattering and thermogravimetric analysis of iodine-doped multiwall carbon nanotubes. Applied Physics Letters, 2002, 80, 2553-2555.	1.5	43
128	Densified aligned carbon nanotube films via vapor phase infiltration of carbon. Carbon, 2007, 45, 847-851.	5.4	43
129	Lithium metal protection enabled by in-situ olefin polymerization for high-performance secondary lithium sulfur batteries. Journal of Power Sources, 2017, 363, 193-198.	4.0	43
130	In Situ Synthesis of a Lithiophilic Ag-Nanoparticles-Decorated 3D Porous Carbon Framework toward Dendrite-Free Lithium Metal Anodes. ACS Sustainable Chemistry and Engineering, 2018, 6, 15219-15227.	3.2	43
131	Anomalous insulator-metal transition in boron nitride-graphene hybrid atomic layers. Physical Review B, 2012, 86, .	1.1	42
132	Cu3V2O8 hollow spheres in photocatalysis and primary lithium batteries. Solid State Sciences, 2013, 25, 15-21.	1.5	42
133	Sheet-like garnet structure design for upgrading PEO-based electrolyte. Chemical Engineering Journal, 2022, 429, 132343.	6.6	42
134	Graphene encapsulated Fe₃O₄ nanorods assembled into a mesoporous hybrid composite used as a high-performance lithium-ion battery anode material. Materials Chemistry Frontiers, 2017, 1, 1185-1193.	3.2	41
135	Cone-shaped hexagonal 6Hâ€“SiC nanorods. Chemical Physics Letters, 2002, 356, 325-330.	1.2	40
136	Potassium pre-inserted K1.04Mn8O16 as cathode materials for aqueous Li-ion and Na-ion hybrid capacitors. Journal of Energy Chemistry, 2020, 46, 53-61.	7.1	40
137	Cold-pressing PEO/LAGP composite electrolyte for integrated all-solid-state lithium metal battery. Solid State Ionics, 2020, 345, 115156.	1.3	40
138	Multisegmented one-dimensional hybrid structures of carbon nanotubes and metal nanowires. Applied Physics Letters, 2006, 89, 243122.	1.5	39
139	Reduced graphene oxide decorated Pt activated SnO2 nanoparticles for enhancing methanol sensing performance. Journal of Alloys and Compounds, 2018, 762, 8-15.	2.8	39
140	Integrated nanocomposite of LiMn2O4/graphene/carbon nanotubes with pseudocapacitive properties as superior cathode for aqueous hybrid capacitors. Journal of Electroanalytical Chemistry, 2019, 842, 74-81.	1.9	38
141	Hollow nanoporous red phosphorus as an advanced anode for sodium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 12992-12998.	5.2	36
142	Fast and stable K-ion storage enabled by synergistic interlayer and pore-structure engineering. Nano Research, 2021, 14, 4502-4511.	5.8	36
143	Guest ions pre-intercalation strategy of manganese-oxides for supercapacitor and battery applications. Journal of Energy Chemistry, 2021, 60, 480-493.	7.1	36
144	High annealing temperature induced rapid grain coarsening for efficient perovskite solar cells. Journal of Colloid and Interface Science, 2018, 524, 483-489.	5.0	35

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145	Reduced graphene oxide wrapped Au@ZnO core-shell structure for highly selective triethylamine gas sensing application at a low temperature. Sensors and Actuators A: Physical, 2018, 283, 128-133.	2.0	34
146	Electronic properties of double-walled carbon nanotube films. Carbon, 2003, 41, 2495-2500.	5.4	32
147	Ionically Self-Assembled Polyelectrolyte-Based Carbon Nanotube Fibers. Chemistry of Materials, 2009, 21, 3062-3071.	3.2	32
148	On the synthesis and magnetic properties of multiwall carbon nanotubeâ€“superparamagnetic iron oxide nanoparticle nanocomposites. Nanotechnology, 2009, 20, 055607.	1.3	31
149	Growth direction control of lithium dendrites in a heterogeneous lithiophilic host for ultra-safe lithium metal batteries. Journal of Power Sources, 2019, 416, 141-147.	4.0	31
150	Hydrogen storage in heat-treated carbon nanofibers prepared by the vertical floating catalyst method. Materials Chemistry and Physics, 2003, 78, 670-675.	2.0	30
151	Random Networks of Single-Walled Carbon Nanotubes. Journal of Physical Chemistry B, 2004, 108, 10751-10753.	1.2	30
152	Double-Walled Carbon Nanotube Electrodes for Electrochemical Sensing. Electrochemical and Solid-State Letters, 2007, 10, F13.	2.2	30
153	Fabrication and Electrical Characterization of Densified Carbon Nanotube Micropillars for IC Interconnection. IEEE Nanotechnology Magazine, 2009, 8, 196-203.	1.1	30
154	Two-step fabrication of nanoporous copper films with tunable morphology for SERS application. Applied Surface Science, 2018, 427, 1271-1279.	3.1	30
155	Lightweight graphene oxide-based sponges with high compressibility and durability for dye adsorption. Carbon, 2020, 160, 54-63.	5.4	30
156	Stable lithium metal anode enabled by an artificial multi-phase composite protective film. Journal of Power Sources, 2020, 448, 227547.	4.0	30
157	Carbon coated copper sulfides nanosheets synthesized via directly sulfurizing Metal-Organic Frameworks for lithium batteries. Materials Letters, 2016, 181, 340-344.	1.3	29
158	Fabrication and electromagnetic properties of carbon-based iron nitride composite. Journal of Magnetism and Magnetic Materials, 2018, 466, 22-27.	1.0	29
159	Mesoporous Mn2O3 rods as a highly efficient catalyst for Li-O2 battery. Journal of Power Sources, 2019, 435, 226833.	4.0	29
160	Carbon aerogel reinforced PDMS nanocomposites with controllable and hierarchical microstructures for multifunctional wearable devices. Carbon, 2021, 171, 758-767.	5.4	29
161	Graphitization behavior of carbon nanofibers prepared by the floating catalyst method. Materials Letters, 2000, 43, 291-294.	1.3	28
162	A heart-coronary arteries structure of carbon nanofibers/graphene/silicon composite anode for high performance lithium ion batteries. Scientific Reports, 2017, 7, 9642.	1.6	28

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163	Producing cleaner double-walled carbon nanotubes in a floating catalyst system. Carbon, 2003, 41, 2607-2611.	5.4	27
164	Formation of ZnS nanostructures by a simple way of thermal evaporation. Journal of Crystal Growth, 2003, 258, 225-231.	0.7	27
165	Nanotubes within transition metal silicate hollow spheres: Facile preparation and superior lithium storage performances. Materials Research Bulletin, 2015, 70, 573-578.	2.7	27
166	Ag doped urchin-like Î±-MnO2 toward efficient and bifunctional electrocatalysts for Li-O2 batteries. Nano Research, 2020, 13, 2356-2364.	5.8	27
167	VS4 nanoarrays pillared Ti3C2Tx with enlarged interlayer spacing as anode for advanced lithium/sodium ion battery and hybrid capacitor. Journal of Power Sources, 2022, 534, 231412.	4.0	26
168	One-step, room temperature, colorimetric melamine sensing using an in-situ formation of silver nanoparticles through modified Tollens process. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 137, 281-285.	2.0	25
169	Enhanced efficiency of perovskite solar cells by introducing controlled chloride incorporation into MAPbI3 perovskite films. Electrochimica Acta, 2018, 275, 1-7.	2.6	25
170	Enhanced heterogeneous activation of peroxydisulfate by S, N co-doped graphene via controlling S, N functionalization for the catalytic decolorization of dyes in water. Chemosphere, 2018, 210, 120-128.	4.2	25
171	Facile construction of a hybrid artificial protective layer for stable lithium metal anode. Chemical Engineering Journal, 2020, 391, 123542.	6.6	25
172	Rational construction of ternary ZnNiP arrayed structures derived from 2D MOFs for advanced hybrid supercapacitors and Zn batteries. Electrochimica Acta, 2021, 387, 138548.	2.6	25
173	In situ modified sulfide solid electrolyte enabling stable lithium metal batteries. Journal of Power Sources, 2022, 518, 230739.	4.0	25
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