

# Li-Jie Ci

## List of Publications by Citations

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285  
papers

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144  
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294  
ext. papers

24,842  
ext. citations

8.2  
avg, IF

6.89  
L-index

#	Paper	IF	Citations
285	New insights into the structure and reduction of graphite oxide. <i>Nature Chemistry</i> , <b>2009</b> , 1, 403-8	17.6	2094
284	Large scale growth and characterization of atomic hexagonal boron nitride layers. <i>Nano Letters</i> , <b>2010</b> , 10, 3209-15	11.5	1961
283	Atomic layers of hybridized boron nitride and graphene domains. <i>Nature Materials</i> , <b>2010</b> , 9, 430-5	27	1764
282	Direct laser writing of micro-supercapacitors on hydrated graphite oxide films. <i>Nature Nanotechnology</i> , <b>2011</b> , 6, 496-500	28.7	1161
281	Flexible energy storage devices based on nanocomposite paper. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 13574-7	11.5	931
280	Catalytic performance of Pt nanoparticles on reduced graphene oxide for methanol electro-oxidation. <i>Carbon</i> , <b>2010</b> , 48, 1124-1130	10.4	823
279	Experimental observation of an extremely dark material made by a low-density nanotube array. <i>Nano Letters</i> , <b>2008</b> , 8, 446-51	11.5	518
278	Controlled nanocutting of graphene. <i>Nano Research</i> , <b>2008</b> , 1, 116-122	10	424
277	Direct growth of aligned carbon nanotubes on bulk metals. <i>Nature Nanotechnology</i> , <b>2006</b> , 1, 112-6	28.7	393
276	Carbon nanotube-based synthetic gecko tapes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 10792-5	11.5	361
275	Investigation of the interfacial reaction between multi-walled carbon nanotubes and aluminum. <i>Acta Materialia</i> , <b>2006</b> , 54, 5367-5375	8.4	347
274	Longitudinal cutting of pure and doped carbon nanotubes to form graphitic nanoribbons using metal clusters as nanoscalpels. <i>Nano Letters</i> , <b>2010</b> , 10, 366-72	11.5	284
273	Facile Fabrication of Nitrogen-Doped Porous Carbon as Superior Anode Material for Potassium-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1802386	21.8	267
272	Continuous carbon nanotube reinforced composites. <i>Nano Letters</i> , <b>2008</b> , 8, 2762-6	11.5	259
271	Fatigue resistance of aligned carbon nanotube arrays under cyclic compression. <i>Nature Nanotechnology</i> , <b>2007</b> , 2, 417-21	28.7	245
270	Quasi-molecular fluorescence from graphene oxide. <i>Scientific Reports</i> , <b>2011</b> , 1, 85	4.9	232
269	Novel Liquid Precursor-Based Facile Synthesis of Large-Area Continuous, Single, and Few-Layer Graphene Films. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 3457-3461	9.6	209

268	Commercial expanded graphite as a low-cost, long-cycling life anode for potassium-ion batteries with conventional carbonate electrolyte. <i>Journal of Power Sources</i> , <b>2018</b> , 378, 66-72	8.9	208
267	Gecko-inspired carbon nanotube-based self-cleaning adhesives. <i>Nano Letters</i> , <b>2008</b> , 8, 822-5	11.5	194
266	Green, Scalable, and Controllable Fabrication of Nanoporous Silicon from Commercial Alloy Precursors for High-Energy Lithium-Ion Batteries. <i>ACS Nano</i> , <b>2018</b> , 12, 4993-5002	16.7	193
265	High performance agar/graphene oxide composite aerogel for methylene blue removal. <i>Carbohydrate Polymers</i> , <b>2017</b> , 155, 345-353	10.3	188
264	The reinforcement role of carbon nanotubes in epoxy composites with different matrix stiffness. <i>Composites Science and Technology</i> , <b>2006</b> , 66, 599-603	8.6	173
263	Synthesis of hybrid nanowire arrays and their application as high power supercapacitor electrodes. <i>Chemical Communications</i> , <b>2008</b> , 2373-5	5.8	168
262	Micron-Sized Nanoporous Antimony with Tunable Porosity for High-Performance Potassium-Ion Batteries. <i>ACS Nano</i> , <b>2018</b> , 12, 12932-12940	16.7	167
261	Vacuum distillation derived 3D porous current collector for stable lithium-metal batteries. <i>Nano Energy</i> , <b>2018</b> , 47, 503-511	17.1	165
260	Polarity-dependent electrochemically controlled transport of water through carbon nanotube membranes. <i>Nano Letters</i> , <b>2007</b> , 7, 697-702	11.5	162
259	Synthesis of S-doped graphene by liquid precursor. <i>Nanotechnology</i> , <b>2012</b> , 23, 275605	3.4	145
258	Nanostructured VO <sub>2</sub> photocatalysts for hydrogen production. <i>ACS Nano</i> , <b>2008</b> , 2, 1492-6	16.7	138
257	Double wall carbon nanotubes promoted by sulfur in a floating iron catalyst CVD system. <i>Chemical Physics Letters</i> , <b>2002</b> , 359, 63-67	2.5	138
256	Growth of SnO <sub>2</sub> nanowires with uniform branched structures. <i>Solid State Communications</i> , <b>2004</b> , 130, 89-94	1.6	137
255	Graphene Shape Control by Multistage Cutting and Transfer. <i>Advanced Materials</i> , <b>2009</b> , 21, 4487-4491	24	133
254	Ultrathick Freestanding Aligned Carbon Nanotube Films. <i>Advanced Materials</i> , <b>2007</b> , 19, 3300-3303	24	131
253	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-benzimidazole. <i>Nano Letters</i> , <b>2013</b> , 13, 1890-7	11.5	120
252	Direct Synthesis of a Macroscale Single-Walled Carbon Nanotube Non-Woven Material. <i>Advanced Materials</i> , <b>2004</b> , 16, 1529-1534	24	120
251	Carbon nanofibers and single-walled carbon nanotubes prepared by the floating catalyst method. <i>Carbon</i> , <b>2001</b> , 39, 329-335	10.4	118

250	Direct synthesis of lithium-intercalated graphene for electrochemical energy storage application. <i>ACS Nano</i> , <b>2011</b> , 5, 4345-9	16.7	110
249	The growth of multi-walled carbon nanotubes with different morphologies on carbon fibers. <i>Carbon</i> , <b>2005</b> , 43, 663-665	10.4	106
248	High performance graphene oxide nanofiltration membrane prepared by electrospinning for wastewater purification. <i>Carbon</i> , <b>2018</b> , 130, 487-494	10.4	104
247	A large-area free-standing graphene oxide multilayer membrane with high stability for nanofiltration applications. <i>Chemical Engineering Journal</i> , <b>2018</b> , 345, 536-544	14.7	102
246	Graphene oxide based membrane intercalated by nanoparticles for high performance nanofiltration application. <i>Chemical Engineering Journal</i> , <b>2018</b> , 347, 12-18	14.7	99
245	Nanoporous Red Phosphorus on Reduced Graphene Oxide as Superior Anode for Sodium-Ion Batteries. <i>ACS Nano</i> , <b>2018</b> , 12, 7380-7387	16.7	93
244	Crystallization behavior of the amorphous carbon nanotubes prepared by the CVD method. <i>Journal of Crystal Growth</i> , <b>2001</b> , 233, 823-828	1.6	93
243	Transfer printing of graphene using gold film. <i>ACS Nano</i> , <b>2009</b> , 3, 1353-6	16.7	92
242	Chemical dealloying synthesis of porous silicon anchored by in situ generated graphene sheets as anode material for lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2015</b> , 287, 177-183	8.9	88
241	Conformal coating of thin polymer electrolyte layer on nanostructured electrode materials for three-dimensional battery applications. <i>Nano Letters</i> , <b>2011</b> , 11, 101-6	11.5	88
240	Preparation of carbon nanofibers by the floating catalyst method. <i>Carbon</i> , <b>2000</b> , 38, 1933-1937	10.4	87
239	Flexible all-solid-state supercapacitors based on freestanding, binder-free carbon nanofibers@polypyrrole@graphene film. <i>Chemical Engineering Journal</i> , <b>2018</b> , 334, 184-190	14.7	86
238	Core-shell structured carbon nanofibers yarn@polypyrrole@graphene for high performance all-solid-state fiber supercapacitors. <i>Carbon</i> , <b>2018</b> , 138, 264-270	10.4	86
237	Hierarchically porous carbon supported Sn4P3 as a superior anode material for potassium-ion batteries. <i>Energy Storage Materials</i> , <b>2019</b> , 23, 367-374	19.4	82
236	Impact of carbon nanotube exposure, dosage and aggregation on smooth muscle cells. <i>Toxicology Letters</i> , <b>2007</b> , 169, 51-63	4.4	82
235	Combined micro-/nanoscale surface roughness for enhanced hydrophobic stability in carbon nanotube arrays. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 143117	3.4	79
234	Lithium Dendrite Suppression and Enhanced Interfacial Compatibility Enabled by an Ex Situ SEI on Li Anode for LAGP-Based All-Solid-State Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 18610-18618	9.5	78
233	Surface-Confined SnS @C@rGO as High-Performance Anode Materials for Sodium- and Potassium-Ion Batteries. <i>ChemSusChem</i> , <b>2019</b> , 12, 2689-2700	8.3	78

232	A titanium-based metal-organic framework as an ultralong cycle-life anode for PIBs. <i>Chemical Communications</i> , <b>2017</b> , 53, 8360-8363	5.8	77
231	A Review of the Role of Solvents in Formation of High-Quality Solution-Processed Perovskite Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 7639-7654	9.5	75
230	Hierarchical Porous Chitosan Sponges as Robust and Recyclable Adsorbents for Anionic Dye Adsorption. <i>Scientific Reports</i> , <b>2017</b> , 7, 18054	4.9	74
229	Nitrogen-doped carbon derived from pre-oxidized pitch for surface dominated potassium-ion storage. <i>Carbon</i> , <b>2019</b> , 155, 601-610	10.4	72
228	Hydrogen uptake by graphitized multi-walled carbon nanotubes under moderate pressure and at room temperature. <i>Carbon</i> , <b>2001</b> , 39, 2077-2079	10.4	71
227	Aluminum/graphene composites with enhanced heat-dissipation properties by in-situ reduction of graphene oxide on aluminum particles. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 748, 854-860	5.7	70
226	Stable all-solid-state potassium battery operating at room temperature with a composite polymer electrolyte and a sustainable organic cathode. <i>Journal of Power Sources</i> , <b>2018</b> , 399, 294-298	8.9	70
225	Annealing amorphous carbon nanotubes for their application in hydrogen storage. <i>Applied Surface Science</i> , <b>2003</b> , 205, 39-43	6.7	68
224	Hierarchical layer-by-layer porous FeCo <sub>2</sub> S <sub>4</sub> @Ni(OH) <sub>2</sub> arrays for all-solid-state asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 20480-20490	13	68
223	Preparation of highly pure double-walled carbon nanotubes. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 1340		67
222	Controllable growth of single wall carbon nanotubes by pyrolyzing acetylene on the floating iron catalysts. <i>Chemical Physics Letters</i> , <b>2001</b> , 349, 191-195	2.5	66
221	Vertically Aligned Large-Diameter Double-Walled Carbon Nanotube Arrays Having Ultralow Density. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 9077-9080	3.8	65
220	Potassium gluconate-derived N/S Co-doped carbon nanosheets as superior electrode materials for supercapacitors and sodium-ion batteries. <i>Journal of Power Sources</i> , <b>2019</b> , 414, 308-316	8.9	65
219	Metal-Organic Framework Derived Iron Sulfide@Carbon Core-Shell Nanorods as a Conversion-Type Battery Material. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 5039-5048	8.3	64
218	Observation of dynamic strain hardening in polymer nanocomposites. <i>ACS Nano</i> , <b>2011</b> , 5, 2715-22	16.7	64
217	Aligned Carbon Nanotube Stationary Phases for Electrochromatographic Chip Separations. <i>Chromatographia</i> , <b>2009</b> , 69, 473-480	2.1	64
216	Air-assisted growth of ultra-long carbon nanotube bundles. <i>Nanotechnology</i> , <b>2008</b> , 19, 455609	3.4	62
215	Temperature dependence of resonant Raman scattering in double-wall carbon nanotubes. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 3098-3100	3.4	62

214	Walnut-inspired micro-sized porous silicon/graphene core-shell composites for high-performance lithium-ion battery anodes. <i>Nano Research</i> , <b>2017</b> , 10, 4274-4283	10	58
213	Synthesis, Characterization, and Electrochemical Properties of Cu <sub>3</sub> V <sub>2</sub> O <sub>7</sub> (OH) <sub>2</sub> ·2H <sub>2</sub> O Nanostructures. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 8624-8629	3.8	57
212	Direct growth of carbon nanotubes on the surface of ceramic fibers. <i>Carbon</i> , <b>2005</b> , 43, 883-886	10.4	56
211	Fabrication of high quality perovskite films by modulating the Pb-D bonds in Lewis acid-base adducts. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 8416-8422	13	55
210	Controllable growth of double wall carbon nanotubes in a floating catalytic system. <i>Carbon</i> , <b>2003</b> , 41, 337-342	10.4	55
209	Effect of nitrogen doping on the mechanical properties of carbon nanotubes. <i>ACS Nano</i> , <b>2010</b> , 4, 7637-7643	6.7	54
208	Novel Micro/Nanoscale Hybrid Reinforcement: Multiwalled Carbon Nanotubes on SiC Particles. <i>Advanced Materials</i> , <b>2004</b> , 16, 2021-2024	24	53
207	An effective way to lower catalyst content in well-aligned carbon nanotube films. <i>Carbon</i> , <b>2001</b> , 39, 152-155	5	53
206	Vertical aligned carbon nanotubes grown on Au film and reduction of threshold field in field emission. <i>Chemical Physics Letters</i> , <b>2001</b> , 335, 150-154	2.5	53
205	Foldable potassium-ion batteries enabled by free-standing and flexible SnS <sub>2</sub> @C nanofibers. <i>Energy and Environmental Science</i> , <b>2021</b> , 14, 424-436	35.4	53
204	Li <sub>7</sub> P <sub>3</sub> S <sub>11</sub> /poly(ethylene oxide) hybrid solid electrolytes with excellent interfacial compatibility for all-solid-state batteries. <i>Journal of Power Sources</i> , <b>2018</b> , 400, 212-217	8.9	51
203	Dendrite-free Li metal anode enabled by a 3D free-standing lithiophilic nitrogen-enriched carbon sponge. <i>Journal of Power Sources</i> , <b>2018</b> , 386, 77-84	8.9	50
202	Design and reinforcement: vertically aligned carbon nanotube-based sandwich composites. <i>ACS Nano</i> , <b>2010</b> , 4, 6798-804	16.7	50
201	Structural Engineering of SnS Encapsulated in Carbon Nanoboxes for High-Performance Sodium/Potassium-Ion Batteries Anodes. <i>Small</i> , <b>2020</b> , 16, e2005023	11	50
200	Lithium-conducting covalent-organic-frameworks as artificial solid-electrolyte-interphase on silicon anode for high performance lithium ion batteries. <i>Nano Energy</i> , <b>2020</b> , 72, 104657	17.1	49
199	Large-Scale Synthesis of Rings of Bundled Single-Walled Carbon Nanotubes by Floating Chemical Vapor Deposition. <i>Advanced Materials</i> , <b>2006</b> , 18, 1817-1821	24	48
198	Effects of compressive strains on electrical conductivities of a macroscale carbon nanotube block. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 153116	3.4	48
197	High-performance red phosphorus/carbon nanofibers/graphene free-standing paper anode for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 1574-1581	13	48

196	Surfactant-dependent flower- and grass-like Zn <sub>0.76</sub> Co <sub>0.24</sub> S/Co <sub>3</sub> S <sub>4</sub> for high-performance all-solid-state asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 22830-22839	13	48
195	Control of the morphology of PbI <sub>2</sub> films for efficient perovskite solar cells by strong Lewis base additives. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 7458-7464	7.1	47
194	Tensile properties of millimeter-long multi-walled carbon nanotubes. <i>Scientific Reports</i> , <b>2017</b> , 7, 9512	4.9	47
193	Engineering low-aspect ratio carbon nanostructures: nanocups, nanorings, and nanocontainers. <i>ACS Nano</i> , <b>2009</b> , 3, 1274-8	16.7	47
192	Temperature dependence of the Raman spectra of individual carbon nanotubes. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 1206-9	3.4	47
191	Tunable synthesis of Li <sub>x</sub> MnO <sub>2</sub> nanowires for aqueous Li-ion hybrid supercapacitor with high rate capability and ultra-long cycle life. <i>Journal of Power Sources</i> , <b>2019</b> , 413, 302-309	8.9	47
190	Characterization of zinc oxide crystal nanowires grown by thermal evaporation of ZnS powders. <i>Chemical Physics Letters</i> , <b>2003</b> , 371, 337-341	2.5	46
189	Nonflammable electrolyte for safer non-aqueous sodium batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 14539-14544	13	45
188	One-pot solvothermal synthesis of graphene wrapped rice-like ferrous carbonate nanoparticles as anode materials for high energy lithium-ion batteries. <i>Nanoscale</i> , <b>2015</b> , 7, 232-9	7.7	45
187	Direct growth of aligned graphitic nanoribbons from a DNA template by chemical vapour deposition. <i>Nature Communications</i> , <b>2013</b> , 4, 2402	17.4	45
186	Vapor-Solid Reaction for Silicon Carbide Hollow Spherical Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 12517-12521	3.8	45
185	Multifunctional Macroarchitectures of Double-Walled Carbon Nanotube Fibers. <i>Advanced Materials</i> , <b>2007</b> , 19, 1719-1723	24	45
184	Effect of H <sub>2</sub> O adsorption on the electrical transport properties of double-walled carbon nanotubes. <i>Carbon</i> , <b>2006</b> , 44, 2155-2159	10.4	44
183	Self-supported multidimensional Ni <sub>3</sub> Fe phosphide networks with holey nanosheets for high-performance all-solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 17386-17399 <sup>13</sup>		43
182	Synergic mechanism of adsorption and metal-free catalysis for phenol degradation by N-doped graphene aerogel. <i>Chemosphere</i> , <b>2018</b> , 191, 389-399	8.4	42
181	Experimental observation of extremely weak optical scattering from an interlocking carbon nanotube array. <i>Applied Optics</i> , <b>2011</b> , 50, 1850-5	0.2	42
180	On the growth mechanism of nickel and cobalt nanowires and comparison of their magnetic properties. <i>Nano Research</i> , <b>2008</b> , 1, 465-473	10	42
179	Metal-organic framework-derived graphene@nitrogen doped carbon@ultrafine TiO <sub>2</sub> nanocomposites as high rate and long-life anodes for sodium ion batteries. <i>Chemical Communications</i> , <b>2016</b> , 52, 12810-12812	5.8	42

178	Effective synthetic strategy for Zn <sub>0.76</sub> Co <sub>0.24</sub> S encapsulated in stabilized N-doped carbon nanoarchitecture towards ultra-long-life hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 14670-14680	13	41
177	Sandwich-Like FeCl <sub>3</sub> @C as High-Performance Anode Materials for Potassium-Ion Batteries. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1800606	4.6	41
176	Anomalous insulator-metal transition in boron nitride-graphene hybrid atomic layers. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	41
175	Cooperative adhesion and friction of compliant nanohairs. <i>Nano Letters</i> , <b>2010</b> , 10, 4509-13	11.5	41
174	Growth mechanism of Y-junction carbon nanotubes. <i>Diamond and Related Materials</i> , <b>2002</b> , 11, 1349-1352	3.5	40
173	Raman scattering and thermogravimetric analysis of iodine-doped multiwall carbon nanotubes. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 2553-2555	3.4	40
172	Three-dimensional iron sulfide-carbon interlocked graphene composites for high-performance sodium-ion storage. <i>Nanoscale</i> , <b>2018</b> , 10, 7851-7859	7.7	39
171	Densified aligned carbon nanotube films via vapor phase infiltration of carbon. <i>Carbon</i> , <b>2007</b> , 45, 847-851	10.4	39
170	Nitrogen and sulfur co-doped porous carbon fibers film for flexible symmetric all-solid-state supercapacitors. <i>Carbon</i> , <b>2020</b> , 158, 456-464	10.4	39
169	Fabrication of Perovskite Films with Large Columnar Grains via Solvent-Mediated Ostwald Ripening for Efficient Inverted Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 868-875	6.1	38
168	Nanostructured LiMn <sub>2</sub> O <sub>4</sub> composite as high-rate cathode for high performance aqueous Li-ion hybrid supercapacitors. <i>Journal of Power Sources</i> , <b>2018</b> , 392, 116-122	8.9	38
167	Elucidating the Key Role of a Lewis Base Solvent in the Formation of Perovskite Films Fabricated from the Lewis Adduct Approach. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 32868-32875	9.5	38
166	Multisegmented one-dimensional hybrid structures of carbon nanotubes and metal nanowires. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 243122	3.4	38
165	Cone-shaped hexagonal 6H <sub>5</sub> SiC nanorods. <i>Chemical Physics Letters</i> , <b>2002</b> , 356, 325-330	2.5	37
164	Lithium metal protection enabled by in-situ olefin polymerization for high-performance secondary lithium sulfur batteries. <i>Journal of Power Sources</i> , <b>2017</b> , 363, 193-198	8.9	35
163	Well-defined cobalt sulfide nanoparticles locked in 3D hollow nitrogen-doped carbon shells for superior lithium and sodium storage. <i>Energy Storage Materials</i> , <b>2019</b> , 18, 114-124	19.4	33
162	Cu <sub>3</sub> V <sub>2</sub> O <sub>8</sub> hollow spheres in photocatalysis and primary lithium batteries. <i>Solid State Sciences</i> , <b>2013</b> , 25, 15-21	3.4	33
161	Non-Flammable Phosphate Electrolyte with High Salt-to-Solvent Ratios for Safe Potassium-Ion Battery. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, A1217-A1222	3.9	32



160	Experimental investigation of mechanical properties of UV-Curable 3D printing materials. <i>Polymer</i> , <b>2018</b> , 145, 88-94	3.9	31
159	In Situ Synthesis of a Lithiophilic Ag-Nanoparticles-Decorated 3D Porous Carbon Framework toward Dendrite-Free Lithium Metal Anodes. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 15219-15227	8.3	31
158	Graphene encapsulated Fe <sub>3</sub> O <sub>4</sub> nanorods assembled into a mesoporous hybrid composite used as a high-performance lithium-ion battery anode material. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 1185-1193	7.8	30
157	High efficient adsorption and storage of iodine on S, N co-doped graphene aerogel. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 373, 705-715	12.8	30
156	Ionically Self-Assembled Polyelectrolyte-Based Carbon Nanotube Fibers. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 3062-3071	9.6	29
155	Double-Walled Carbon Nanotube Electrodes for Electrochemical Sensing. <i>Electrochemical and Solid-State Letters</i> , <b>2007</b> , 10, F13		29
154	Random Networks of Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 10751-10753	15.1	29
153	Electronic properties of double-walled carbon nanotube films. <i>Carbon</i> , <b>2003</b> , 41, 2495-2500	10.4	29
152	Composite solid electrolyte of Na <sub>3</sub> PS <sub>4</sub> -PEO for all-solid-state SnS <sub>2</sub> /Na batteries with excellent interfacial compatibility between electrolyte and Na metal. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 41, 73-78	12	29
151	Hydrogen storage in heat-treated carbon nanofibers prepared by the vertical floating catalyst method. <i>Materials Chemistry and Physics</i> , <b>2003</b> , 78, 670-675	4.4	28
150	Hollow nanoporous red phosphorus as an advanced anode for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 12992-12998	13	27
149	Growth direction control of lithium dendrites in a heterogeneous lithiophilic host for ultra-safe lithium metal batteries. <i>Journal of Power Sources</i> , <b>2019</b> , 416, 141-147	8.9	26
148	Fabrication and Electrical Characterization of Densified Carbon Nanotube Micropillars for IC Interconnection. <i>IEEE Nanotechnology Magazine</i> , <b>2009</b> , 8, 196-203	2.6	26
147	High annealing temperature induced rapid grain coarsening for efficient perovskite solar cells. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 524, 483-489	9.3	25
146	Artificial Solid Electrolyte Interphase Coating to Reduce Lithium Trapping in Silicon Anode for High Performance Lithium-Ion Batteries. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1901187	4.6	25
145	On the synthesis and magnetic properties of multiwall carbon nanotube-superparamagnetic iron oxide nanoparticle nanocomposites. <i>Nanotechnology</i> , <b>2009</b> , 20, 055607	3.4	25
144	Producing cleaner double-walled carbon nanotubes in a floating catalyst system. <i>Carbon</i> , <b>2003</b> , 41, 2607-2611	12.1	25
143	Graphitization behavior of carbon nanofibers prepared by the floating catalyst method. <i>Materials Letters</i> , <b>2000</b> , 43, 291-294	3.3	25

142	Reduced graphene oxide wrapped Au@ZnO core-shell structure for highly selective triethylamine gas sensing application at a low temperature. <i>Sensors and Actuators A: Physical</i> , <b>2018</b> , 283, 128-133	3.9	25
141	Reduced graphene oxide decorated Pt activated SnO <sub>2</sub> nanoparticles for enhancing methanol sensing performance. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 762, 8-15	5.7	25
140	Integrated nanocomposite of LiMn <sub>2</sub> O <sub>4</sub> /graphene/carbon nanotubes with pseudocapacitive properties as superior cathode for aqueous hybrid capacitors. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 842, 74-81	4.1	23
139	Formation of ZnS nanostructures by a simple way of thermal evaporation. <i>Journal of Crystal Growth</i> , <b>2003</b> , 258, 225-231	1.6	23
138	Enhanced efficiency of perovskite solar cells by introducing controlled chloride incorporation into MAPbI <sub>3</sub> perovskite films. <i>Electrochimica Acta</i> , <b>2018</b> , 275, 1-7	6.7	22
137	Carbon coated copper sulfides nanosheets synthesized via directly sulfurizing Metal-Organic Frameworks for lithium batteries. <i>Materials Letters</i> , <b>2016</b> , 181, 340-344	3.3	22
136	A simple large-scale synthesis of coaxial nanocables: silicon carbide sheathed with silicon oxide. <i>Chemical Physics Letters</i> , <b>2003</b> , 375, 269-272	2.5	22
135	Potassium pre-inserted K <sub>1.04</sub> Mn <sub>8</sub> O <sub>16</sub> as cathode materials for aqueous Li-ion and Na-ion hybrid capacitors. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 46, 53-61	12	22
134	Facilely tunable core-shell Si@SiO <sub>x</sub> nanostructures prepared in aqueous solution for lithium ion battery anode. <i>Electrochimica Acta</i> , <b>2020</b> , 342, 136068	6.7	21
133	Two-step fabrication of nanoporous copper films with tunable morphology for SERS application. <i>Applied Surface Science</i> , <b>2018</b> , 427, 1271-1279	6.7	21
132	A heart-coronary arteries structure of carbon nanofibers/graphene/silicon composite anode for high performance lithium ion batteries. <i>Scientific Reports</i> , <b>2017</b> , 7, 9642	4.9	21
131	Chemiluminescence determination of cefotaxime sodium with flow-injection analysis of cerium (IV)-rhodamine 6G system and its application to the binding study of cefotaxime sodium to protein with on-line microdialysis sampling. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2011</b> , 70, 552-5	4.4	21
130	Nanotubes within transition metal silicate hollow spheres: Facile preparation and superior lithium storage performances. <i>Materials Research Bulletin</i> , <b>2015</b> , 70, 573-578	5.1	20
129	One-step, room temperature, colorimetric melamine sensing using an in-situ formation of silver nanoparticles through modified Tollens process. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 137, 281-5	4.4	20
128	Synthesis of iron nanoparticles from hemoglobin and myoglobin. <i>Nanotechnology</i> , <b>2012</b> , 23, 055602	3.4	20
127	The intrinsic temperature effect of Raman spectra of double-walled carbon nanotubes. <i>Chemical Physics Letters</i> , <b>2004</b> , 396, 372-376	2.5	20
126	Raman Characterization and Tunable Growth of Double-Wall Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 8760-8764	3.4	20
125	Stable lithium metal anode enabled by an artificial multi-phase composite protective film. <i>Journal of Power Sources</i> , <b>2020</b> , 448, 227547	8.9	20

124	Preparation of Carbon Nanotubes by the Floating Catalyst Method. <i>Journal of Materials Science Letters</i> , <b>1999</b> , 18, 797-799		19
123	Ultrathin carbon nanosheets for highly efficient capacitive K-ion and Zn-ion storage. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 22874-22885	13	19
122	Lightweight graphene oxide-based sponges with high compressibility and durability for dye adsorption. <i>Carbon</i> , <b>2020</b> , 160, 54-63	10.4	18
121	Fabrication and electromagnetic properties of carbon-based iron nitride composite. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2018</b> , 466, 22-27	2.8	17
120	Double Wall Carbon Nanotubes with an Inner Diameter of 0.4 nm. <i>Chemical Vapor Deposition</i> , <b>2003</b> , 9, 119-121		17
119	Enhancing the safety and electrochemical performance of ether based lithium sulfur batteries by introducing an efficient flame retarding additive. <i>RSC Advances</i> , <b>2016</b> , 6, 53560-53565	3.7	17
118	Investigation on Crystallization of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite and Its Intermediate Phase from Polar Aprotic Solvents. <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 959-965	3.5	17
117	MnO <sub>2</sub> nanotubes with a water soluble binder as high performance sodium storage materials. <i>RSC Advances</i> , <b>2016</b> , 6, 103579-103584	3.7	16
116	A novel bifunctional additive for 5 V-class, high-voltage lithium ion batteries. <i>RSC Advances</i> , <b>2016</b> , 6, 7224-7228	3.7	16
115	Carbon nanotubes/SiC whiskers composite prepared by CVD method. <i>Diamond and Related Materials</i> , <b>2007</b> , 16, 531-536	3.5	16
114	High performance hierarchically nanostructured graphene oxide/covalent organic framework hybrid membranes for stable organic solvent nanofiltration. <i>Applied Materials Today</i> , <b>2020</b> , 20, 100791	6.6	16
113	Enhanced Cycling Performance of LiO <sub>2</sub> Battery by Using a Li <sub>3</sub> PO <sub>4</sub> -Protected Lithium Anode in DMSO-Based Electrolyte. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 5511-5517	6.1	16
112	Perovskite Solar Cells Fabricated by Using an Environmental Friendly Aprotic Polar Additive of 1,3-Dimethyl-2-imidazolidinone. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 632	5	15
111	Enhanced heterogeneous activation of peroxydisulfate by S, N co-doped graphene via controlling S, N functionalization for the catalytic decolorization of dyes in water. <i>Chemosphere</i> , <b>2018</b> , 210, 120-128	8.4	15
110	Enhanced plant antioxidant capacity and biodegradation of phenol by immobilizing peroxidase on amphoteric nitrogen-doped carbon dots. <i>Catalysis Communications</i> , <b>2020</b> , 134, 105847	3.2	15
109	Cold-pressing PEO/LAGP composite electrolyte for integrated all-solid-state lithium metal battery. <i>Solid State Ionics</i> , <b>2020</b> , 345, 115156	3.3	15
108	Unveil the Size-Dependent Mechanical Behaviors of Individual CNT/SiC Composite Nanofibers by In Situ Tensile Tests in SEM. <i>Small</i> , <b>2016</b> , 12, 4486-91	11	15
107	ZnCl-activated carbon from soybean dregs as a high efficiency adsorbent for cationic dye removal: isotherm, kinetic, and thermodynamic studies. <i>Environmental Technology (United Kingdom)</i> , <b>2020</b> , 41, 2013-2023	2.6	15

106	Green and facile synthesis of nanosized polythiophene as an organic anode for high-performance potassium-ion battery. <i>Functional Materials Letters</i> , <b>2018</b> , 11, 1840003	1.2	14
105	High Current Enabled Stable Lithium Anode for Ultralong Cycling Life of Lithium-Oxygen Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 30793-30800	9.5	14
104	Mesoporous Mn <sub>2</sub> O <sub>3</sub> rods as a highly efficient catalyst for Li-O <sub>2</sub> battery. <i>Journal of Power Sources</i> , <b>2019</b> , 435, 226833	8.9	14
103	Efficiently producing single-walled carbon nanotube rings and investigation of their field emission properties. <i>Nanotechnology</i> , <b>2006</b> , 17, 2355-2361	3.4	14
102	Boron-doped graphene coated Au@SnO <sub>2</sub> for high-performance triethylamine gas detection. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 239, 121961	4.4	14
101	Crystalline silicon carbide nanocones and heterostructures induced by released iron nanoparticles. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 233113	3.4	13
100	Resonant Raman scattering of double wall carbon nanotubes prepared by chemical vapor deposition method. <i>Journal of Applied Physics</i> , <b>2003</b> , 94, 5715-5719	2.5	13
99	Controllable preparation and properties of single-/double-walled carbon nanotubes. <i>Science and Technology of Advanced Materials</i> , <b>2005</b> , 6, 725-735	7.1	13
98	A novel Lithium/Sodium hybrid aqueous electrolyte for hybrid supercapacitors based on LiFePO <sub>4</sub> and activated carbon. <i>Functional Materials Letters</i> , <b>2016</b> , 09, 1642008	1.2	13
97	Metal-organic framework derived CuO hollow spheres as high performance anodes for sodium ion battery. <i>Materials Technology</i> , <b>2016</b> , 31, 497-500	2.1	13
96	Li <sub>7</sub> P <sub>3</sub> S <sub>11</sub> solid electrolyte coating silicon for high-performance lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2018</b> , 276, 325-332	6.7	12
95	Facile hydrothermal growth of VO <sub>2</sub> nanowire, nanorod and nanosheet arrays as binder free cathode materials for sodium batteries. <i>RSC Advances</i> , <b>2016</b> , 6, 14314-14320	3.7	12
94	Towards methyl orange degradation by direct sunlight using coupled TiO <sub>2</sub> nanoparticles and carbonized cotton T-shirt. <i>Applied Materials Today</i> , <b>2016</b> , 3, 57-62	6.6	12
93	Deformation and capillary self-repair of carbon nanotube brushes. <i>Carbon</i> , <b>2012</b> , 50, 5618-5620	10.4	12
92	Preparation of monodispersed multi-walled carbon nanotubes in chemical vapor deposition. <i>Chemical Physics Letters</i> , <b>2002</b> , 356, 563-566	2.5	12
91	Enhanced bioaccumulation efficiency and tolerance for Cd (II) in Arabidopsis thaliana by amphoteric nitrogen-doped carbon dots. <i>Ecotoxicology and Environmental Safety</i> , <b>2020</b> , 190, 110108	7	12
90	Facile construction of a hybrid artificial protective layer for stable lithium metal anode. <i>Chemical Engineering Journal</i> , <b>2020</b> , 391, 123542	14.7	12
89	Impacts of surface chemistry of functional carbon nanodots on the plant growth. <i>Ecotoxicology and Environmental Safety</i> , <b>2020</b> , 206, 111220	7	12

88	Enhanced Air and Electrochemical Stability of Li <sub>7</sub> P <sub>3</sub> S <sub>11</sub> Based Solid Electrolytes Enabled by Aliovalent Substitution of SnO <sub>2</sub> . <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2100368	4.6	12
87	Improved interfacial floatability of superhydrophobic and compressive S, N co-doped graphene aerogel by electrostatic spraying for highly efficient organic pollutants recovery from water. <i>Applied Surface Science</i> , <b>2018</b> , 457, 780-788	6.7	12
86	Microwave assisted crystalline and morphology evolution of flower-like Fe <sub>2</sub> O <sub>3</sub> @ iron doped K-birnessite composite and its application for lithium ion storage. <i>Applied Surface Science</i> , <b>2020</b> , 525, 146513	6.7	11
85	Ag doped urchin-like $\gamma$ -MnO <sub>2</sub> toward efficient and bifunctional electrocatalysts for Li-O <sub>2</sub> batteries. <i>Nano Research</i> , <b>2020</b> , 13, 2356-2364	10	11
84	Biphenyl as overcharge protection additive for nonaqueous sodium batteries. <i>RSC Advances</i> , <b>2015</b> , 5, 96649-96652	3.7	11
83	Graphite-like carbon-encapsulated iron nanoparticle self-assembly into macroscopic microtube structures. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 4619		11
82	Deposition of the platinum crystals on the carbon nanotubes. <i>Science Bulletin</i> , <b>2000</b> , 45, 134-137		11
81	Fast and stable K-ion storage enabled by synergistic interlayer and pore-structure engineering. <i>Nano Research</i> , <b>2021</b> , 14, 4502	10	11
80	Mechanistic Insights into the Structural Modulation of Transition Metal Selenides to Boost Potassium Ion Storage Stability. <i>ACS Nano</i> , <b>2021</b> , 15, 14697-14708	16.7	11
79	Enhanced performance of perovskite solar cells by strengthening a self-embedded solvent annealing effect in perovskite precursor films. <i>RSC Advances</i> , <b>2017</b> , 7, 49144-49150	3.7	10
78	Reduced graphene oxide/SnO <sub>2</sub> @Au heterostructure for enhanced ammonia gas sensing. <i>Chemical Physics Letters</i> , <b>2019</b> , 737, 136829	2.5	10
77	Formation of highly conductive composite coatings and their applications to broadband antennas and mechanical transducers. <i>Journal of Materials Research</i> , <b>2010</b> , 25, 1741-1747	2.5	10
76	Phosphorus - a new element for promoting growth of carbon filaments by the floating catalyst method. <i>Carbon</i> , <b>1999</b> , 37, 1652-1654	10.4	10
75	Stable Lithium Anode of Li-O Batteries in a Wet Electrolyte Enabled by a High-Current Treatment. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 172-178	6.4	10
74	Carbon aerogel reinforced PDMS nanocomposites with controllable and hierarchical microstructures for multifunctional wearable devices. <i>Carbon</i> , <b>2021</b> , 171, 758-767	10.4	10
73	Boron nitride doped Li <sub>7</sub> P <sub>3</sub> S <sub>11</sub> solid electrolyte with improved interfacial compatibility and application in all-solid-state Li/S battery. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 19119-19125	2.1	9
72	Low temperature synthesis of lead germanate (PbGeO <sub>3</sub> )/polypyrrole (PPy) nanocomposites and their lithium storage performance. <i>Materials Research Bulletin</i> , <b>2014</b> , 57, 238-242	5.1	9
71	Sharp burnout failure observed in high current-carrying double-walled carbon nanotube fibers. <i>Nanotechnology</i> , <b>2012</b> , 23, 015703	3.4	9

70	Ultralong aligned multi-walled carbon nanotube for electrochemical sensing. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2008</b> , 8, 2085-90	1.3	9
69	Template assembly of tube-in-tube carbon nanotubes grown using Cu as catalyst. <i>Carbon</i> , <b>2007</b> , 45, 1713-1716	1.6	9
68	Li metal-free rechargeable all-solid-state Li <sub>2</sub> S/Si battery based on Li <sub>7</sub> P <sub>3</sub> S <sub>11</sub> electrolyte. <i>Journal of Solid State Electrochemistry</i> , <b>2019</b> , 23, 3145-3151	2.6	8
67	Humidity effects on anisotropic nanofriction behaviors of aligned carbon nanotube carpets. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 9501-7	9.5	8
66	Thermoplastic Polyurethane Nanocomposites Produced via Impregnation of Long Carbon Nanotube Forests. <i>Macromolecular Materials and Engineering</i> , <b>2011</b> , 296, 53-58	3.9	8
65	Synthesis and formation mechanism of Cu <sub>3</sub> V <sub>2</sub> O <sub>7</sub> (OH) <sub>2</sub> ·2H <sub>2</sub> O nanowires. <i>Materials Research Bulletin</i> , <b>2009</b> , 44, 2027-2032	5.1	8
64	Effect of acetylene in buffer gas on the microstructures of carbon nanotubes in arc discharge. <i>Nanotechnology</i> , <b>2002</b> , 13, L1-L4	3.4	8
63	Dissolution and recrystallization of perovskite induced by N-methyl-2-pyrrolidone in a closed steam annealing method. <i>Journal of Energy Chemistry</i> , <b>2019</b> , 30, 78-83	12	8
62	Guest ions pre-intercalation strategy of manganese-oxides for supercapacitor and battery applications. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 60, 480-493	12	8
61	Monometallic nanoporous nickel with high catalytic performance towards hydrazine electro-conversion and its DFT calculations. <i>Electrochimica Acta</i> , <b>2019</b> , 317, 449-458	6.7	7
60	Self-supporting soft carbon fibers as binder-free and flexible anodes for high-performance sodium-ion batteries. <i>Materials Technology</i> , <b>2018</b> , 33, 810-814	2.1	7
59	Study on Ag <sub>2</sub> WO <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> Nanotubes as an Efficient Photocatalyst for Degradation of Rhodamine B. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2020</b> , 30, 4847-4857	3.2	7
58	Bifunctional In Situ Polymerized Interface for Stable LAGP-Based Lithium Metal Batteries. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2100072	4.6	7
57	Surface-enhanced infrared attenuated total reflection spectroscopy via carbon nanodots for small molecules in aqueous solution. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 1863-1871	4.4	7
56	Synergistic double-shell coating of graphene and Li <sub>4</sub> SiO <sub>4</sub> on silicon for high performance lithium-ion battery application. <i>Diamond and Related Materials</i> , <b>2018</b> , 88, 60-66	3.5	7
55	Commercial carbon cloth: An emerging substrate for practical lithium metal batteries. <i>Energy Storage Materials</i> , <b>2022</b> , 48, 172-190	19.4	7
54	Enhanced Electrochemical Performance of Li <sub>1.2</sub> [Mn <sub>0.54</sub> Co <sub>0.13</sub> Ni <sub>0.13</sub> ]O <sub>2</sub> Enabled by Synergistic Effect of Li <sub>1.5</sub> Na <sub>0.5</sub> SiO <sub>3</sub> Modification. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 2000378	4.6	6
53	Bio-inspired multiple-stimuli responsive porous materials with switchable flexibility and programmable shape morphing capability. <i>Carbon</i> , <b>2020</b> , 161, 702-711	10.4	6

52	Facile preparation of fullerene nanorods for high-performance lithium-sulfur batteries. <i>Materials Letters</i> , <b>2018</b> , 228, 175-178	3.3	6
51	Preparation of double-walled carbon nanotubes. <i>Science Bulletin</i> , <b>2004</b> , 49, 107-110		6
50	H <sub>2</sub> -assisted control growth of Si nanowires. <i>Journal of Crystal Growth</i> , <b>2003</b> , 257, 69-74	1.6	6
49	Morphologies and microstructures of carbon nanotubes prepared by self-sustained arc discharging. <i>Chinese Physics B</i> , <b>2002</b> , 11, 496-501		6
48	Alleviation role of functional carbon nanodots for tomato growth and soil environment under drought stress. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 423, 127260	12.8	6
47	Benchmarking of Metal-to-Carbon Nanotube Side Contact Resistance <b>2008</b> ,		5
46	A graphene oxide coated sulfide-based solid electrolyte for dendrite-free lithium metal batteries. <i>Carbon</i> , <b>2021</b> , 177, 52-59	10.4	5
45	Phosphorous-doped bimetallic sulfides embedded in heteroatom-doped carbon nanoarrays for flexible all-solid-state supercapacitors. <i>Science China Materials</i> , <b>2021</b> , 64, 2439-2453	7.1	5
44	Rational construction of ternary ZnNiP arrayed structures derived from 2D MOFs for advanced hybrid supercapacitors and Zn batteries. <i>Electrochimica Acta</i> , <b>2021</b> , 387, 138548	6.7	5
43	Effects of functional carbon nanodots on water hyacinth response to Cd/Pb stress: Implication for phytoremediation. <i>Journal of Environmental Management</i> , <b>2021</b> , 299, 113624	7.9	5
42	Sheet-like garnet structure design for upgrading PEO-based electrolyte. <i>Chemical Engineering Journal</i> , <b>2022</b> , 429, 132343	14.7	5
41	Crystallization of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3-x</sub> Br <sub>x</sub> perovskite from micro-droplets of lead acetate precursor solution. <i>CrystEngComm</i> , <b>2018</b> , 20, 3058-3065	3.3	4
40	Hierarchical reinforcement of randomly-oriented carbon nanotube mats by ion irradiation. <i>Carbon</i> , <b>2016</b> , 99, 491-501	10.4	4
39	Cu <sub>3</sub> V <sub>2</sub> O <sub>7</sub> (OH) <sub>2</sub> ·2H <sub>2</sub> O hollow structures for primary lithium batteries. <i>Micro and Nano Letters</i> , <b>2012</b> , 7, 1101-1104	0.9	4
38	In situ construction of a flexible interlayer for durable solid-state lithium metal batteries. <i>Carbon</i> , <b>2021</b> , 187, 13-13	10.4	4
37	Flexible rGO @ Nonwoven Fabrics Membranes Guide Stable Lithium Metal Anodes for Lithium Oxygen Batteries. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 7944-7951	6.1	4
36	A novel coral-like garnet for high-performance PEO-based all solid-state batteries. <i>Science China Materials</i> , <b>1</b>	7.1	4
35	A high-energy, long cycle life aqueous hybrid supercapacitor enabled by efficient battery electrode and widened potential window. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 877, 160273	5.7	4

34	Three-dimensional hollow nitrogen-doped carbon shells enclosed monodisperse CoP nanoparticles for long cycle-life sodium storage. <i>Electrochimica Acta</i> , <b>2021</b> , 395, 139112	6.7	4
33	Accelerating the activation of LiMnO in Li-rich high-Mn cathodes to improve its electrochemical performance. <i>Nanoscale</i> , <b>2021</b> , 13, 4921-4930	7.7	4
32	Selective Chemical Enhancement via Graphene Oxide in Infrared Attenuated Total Reflection Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 25286-25293	3.8	3
31	Nanoscale carbon tubules deposited in anodic aluminium oxide template: a study of soft x-ray transmission. <i>Chinese Physics B</i> , <b>2004</b> , 13, 1922-1926		3
30	Effect of cupped cathode on microstructures of carbon nanotubes in arc discharge. <i>Carbon</i> , <b>2002</b> , 40, 1609-1613	10.4	3
29	Promotion effect of nitrogen-doped functional carbon nanodots on the early growth stage of plants <b>2020</b> , 1,		3
28	SnO <sub>2</sub> microrods based triethylamine gas sensor. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 772, 012058	0.4	3
27	Lewis Acidity Organoboron-Modified Li-Rich Cathode Materials for High-Performance Lithium-Ion Batteries. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2002113	4.6	3
26	Fabrication of Perovskite Films with Long Carrier Lifetime for Efficient Perovskite Solar Cells from Low-Toxicity 1-Ethyl-2-Pyrrolidone. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 320-327	6.1	3
25	High-damping and conducting epoxy nanocomposite using both zinc oxide particles and carbon nanofibers. <i>Journal of Materiomics</i> , <b>2018</b> , 4, 187-193	6.7	3
24	Focusing on the Subsequent Coulombic Efficiencies of SiO: Initial High-Temperature Charge after Over-Capacity Prelithiation for High-Efficiency SiO-Based Full-Cell Battery.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> , 14, 14284-14292	9.5	3
23	VS <sub>4</sub> nanoarrays pillared Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> with enlarged interlayer spacing as anode for advanced lithium/sodium ion battery and hybrid capacitor. <i>Journal of Power Sources</i> , <b>2022</b> , 534, 231412	8.9	3
22	Modifying surface structure to tune surface properties of vertically aligned carbon nanotube films. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 3854-9	1.3	2
21	Novel carbon filaments with carbon beads grown on their surface. <i>Journal of Materials Science Letters</i> , <b>2000</b> , 19, 21-22		2
20	Ball-Milling Strategy for Fast and Stable Potassium-Ion Storage in Antimony-Carbon Composite Anodes. <i>ChemElectroChem</i> , <b>2020</b> , 7, 4587-4593	4.3	2
19	Ag <sup>+</sup> preintercalation enabling high performance Ag <sub>x</sub> MnO <sub>2</sub> cathode for aqueous Li-ion and Na-ion hybrid supercapacitors. <i>Journal of Power Sources</i> , <b>2021</b> , 484, 229316	8.9	2
18	Preparation and characterization of Sn-doped In <sub>2</sub> .77S <sub>4</sub> nanosheets as a visible-light-induced photocatalyst for tetracycline degradation. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 2822-2831	2.1	2
17	Investigation of the gas-sensitive properties for methanol detection based on ZnO/SnO <sub>2</sub> heterostructure. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 392, 032016	0.4	2



16	Potassium Ions Regulated the Disproportionation of Silicon Monoxide Boosting Its Performance for Lithium-Ion Battery Anodes. <i>Energy &amp; Fuels</i> ,	4.1	2
15	Li <sub>2</sub> CO <sub>3</sub> : Insights into Its Blocking Effect on Li-Ion Transfer in Garnet Composite Electrolytes. <i>ACS Applied Energy Materials</i> , <b>2022</b> , 5, 2853-2861	6.1	2
14	Multi-Stable Conductance States in Metallic Double-Walled Carbon Nanotubes. <i>Nanoscale Research Letters</i> , <b>2009</b> , 4, 538-543	5	1
13	Effect of Sidewall Fluorination on the Mechanical Properties of Catalytically Grown Multi-Wall Carbon Nanotubes. <i>Materials Research Society Symposia Proceedings</i> , <b>2011</b> , 1284, 157		1
12	Continuous Carbon Nanotube-PDMS Composites <b>2008</b> ,		1
11	Carbon Nanotubes-Based Electrocatalysts: Structural Regulation, Support Effect, and Synchrotron-Based Characterization. <i>Advanced Functional Materials</i> , 2106684	15.6	1
10	In situ modified sulfide solid electrolyte enabling stable lithium metal batteries. <i>Journal of Power Sources</i> , <b>2022</b> , 518, 230739	8.9	1
9	Spontaneous In Situ Surface Alloying of Li-Zn Derived from a Novel Zn <sup>2+</sup> -Containing Solid Polymer Electrolyte for Steady Cycling of Li Metal Battery. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 4282-4292	8.3	1
8	NaCa <sub>2</sub> Si <sub>3</sub> O <sub>8</sub> (OH)/PEDOT:PSS composite nanowires as anode materials for lithium-ion batteries. <i>Chemical Physics Letters</i> , <b>2019</b> , 715, 40-44	2.5	1
7	Ag <sub>x</sub> Mn <sub>8</sub> O <sub>16</sub> Cathode Enables High-Performance Aqueous Li-Ion Hybrid Supercapacitors. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 15101-15107	4.1	1
6	One-step Synthesis of Hollow Urchin-like Ag <sub>2</sub> Mn <sub>8</sub> O <sub>16</sub> for Long-life Li-O <sub>2</sub> Battery. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 162137	5.7	0
5	Reversible LiOH chemistry in Li-O <sub>2</sub> batteries with free-standing Ag/EMnO <sub>2</sub> nanoflower cathode. <i>Science China Materials</i> , 1	7.1	0
4	Functional carbon nanodots improve soil quality and tomato tolerance in saline-alkali soils.. <i>Science of the Total Environment</i> , <b>2022</b> , 830, 154817	10.2	0
3	Interactions of Carbon Nanomaterials With Mammalian Cells. <i>Materials Research Society Symposia Proceedings</i> , <b>2006</b> , 951, 8		
2	Investigation on Site Density of Carbon Nanotube Forests. <i>Materials Research Society Symposia Proceedings</i> , <b>2007</b> , 1018, 1		
1	Carbon-coated iron carbide particles transformed from as-grown carbon filaments under laser irradiation. <i>Journal of Materials Science Letters</i> , <b>2000</b> , 19, 1769-1770		