Xiangwu Zhang

List of Publications by Year in Descending Order

272 papers	15,581 citations	66 h-index	114 g-index
281 ext. papers	17,534 ext. citations	7.4 avg, IF	7 L-index

#	Paper	IF	Citations
272	Interconnected cathode-electrolyte double-layer enabling continuous Li-ion conduction throughout solid-state Li-S battery. *Energy Storage Materials*, **2022**, 44, 136-144	19.4	3
271	Textile Applications of Nanofibers **2022**, 41-67		1
270	Highly smooth, robust, degradable and cost-effective modified lignin-nanocellulose green composite substrates for flexible and green electronics. *Composites Part B: Engineering*, **2022**, 236, 109803	10	3
269	B, N, F tri-doped lignin-derived carbon nanofibers as an efficient metal-free bifunctional electrocatalyst for ORR and OER in rechargeable liquid/solid-state Zn-air batteries. *Applied Surface Science*, **2022**, 153891	6.7	4
268	Fe2O3-encapsulated and Fe-Nx-containing hierarchical porous carbon spheres as efficient electrocatalyst for oxygen reduction reaction. *International Journal of Hydrogen Energy*, **2021**, 47, 2103-2103	6.7	1
267	Advanced Zinc Anode with Nitrogen-Doping Interface Induced by Plasma Surface Treatment. *Advanced Science*, **2021**, e2103952	13.6	7
266	Fabrication, structure and supercapacitance of flexible porous carbon nanobelt webs with enhanced inter-fiber connection. *Applied Surface Science*, **2021**, 543, 148783	6.7	0
265	Rational design of meso-/micro-pores for enhancing ion transportation in highly-porous carbon nanofibers used as electrode for supercapacitors. *Applied Surface Science*, **2021**, 545, 148933	6.7	13
264	Root-whisker structured 3D CNTs-CNFs network based on coaxial electrospinning: A free-standing anode in lithium-ion batteries. *Journal of Alloys and Compounds*, **2021**, 863, 158481	5.7	3
263	Li intercalation in nonwoven carbon nanotube/carbon fiber felt electrode: Influence of carbon fiber type. *Diamond and Related Materials*, **2021**, 115, 108353	3.5	1
262	Polymer-ceramic composite electrolytes for all-solid-state lithium batteries: Ionic conductivity and chemical interaction enhanced by oxygen vacancy in ceramic nanofibers. *Journal of Power Sources*, **2021**, 495, 229796	8.9	12
261	Developments of Advanced Electrospinning Techniques: A Critical Review. *Advanced Materials Technologies*, **2021**, 6, 2100410	6.8	37
260	Carbon black-based porous sub-micron carbon fibers for flexible supercapacitors. *Applied Surface Science*, **2021**, 537, 147914	6.7	12
259	ZnO-assisted synthesis of lignin-based ultra-fine microporous carbon nanofibers for supercapacitors. *Journal of Colloid and Interface Science*, **2021**, 586, 412-422	9.3	19
258	Fe3O4/Fe2O3/Fe nanoparticles anchored on N-doped hierarchically porous carbon nanospheres as a high-efficiency ORR electrocatalyst for rechargeable Zn–air batteries. *Journal of Materials Chemistry A*, **2021**, 9, 2764-2774	13	32
257	Hollow Co3O4-x nanoparticles decorated N-doped porous carbon prepared by one-step pyrolysis as an efficient ORR electrocatalyst for rechargeable Zn-air batteries. *Carbon*, **2021**, 181, 87-98	10.4	10
256	Disintegrable, transparent and mechanically robust high-performance antimony tin oxide/nanocellulose/polyvinyl alcohol thermal insulation films. *Carbohydrate Polymers*, **2021**, 266, 118175	10.3	4

255	Flexible, transparent and tough silver nanowire/nanocellulose electrodes for flexible touch screen panels. *Carbohydrate Polymers*, **2021**, 273, 118539	10.3	7
254	A liquid metal assisted dendrite-free anode for high-performance Zn-ion batteries. *Journal of Materials Chemistry A*, **2021**, 9, 5597-5605	13	28
253	Interlayer design based on carbon materials for lithium–sulfur batteries: a review. *Journal of Materials Chemistry A*, **2020**, 8, 10709-10735	13	56
252	Melt-spun modified poly (styrene-co-butyl acrylate) fiber as a carrier to support manganese oxide and its application in dye wastewater decolorization. *Environmental Science and Pollution Research*, **2020**, 27, 28209-28221	5.1	
251	PEI/GO-codecorated poly(acrylic acid-co-hydroxyethyl methacrylate) fiber as a carrier to support iron ions and its catalytic performance for methylene blue decolorization. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2020**, 57, 531-543	2.2	5
250	A Single-Ion Conducting UiO-66 Metal–Organic Framework Electrolyte for All-Solid-State Lithium Batteries. *ACS Applied Energy Materials*, **2020**, 3, 4007-4013	6.1	39
249	Hexanedioic acid mediated in situ functionalization of interconnected graphitic 3D carbon nanofibers as Pt support for trifunctional electrocatalysts. *Sustainable Energy and Fuels*, **2020**, 4, 2808-2822	5.8	5
248	Fibers as Energy Materials **2020**, 649-680		1
247	Chemical interaction and enhanced interfacial ion transport in a ceramic nanofiber–polymer composite electrolyte for all-solid-state lithium metal batteries. *Journal of Materials Chemistry A*, **2020**, 8, 7261-7272	13	40
246	Polyaniline/MnO2/porous carbon nanofiber electrodes for supercapacitors. *Journal of Electroanalytical Chemistry*, **2020**, 861, 113995	4.1	42
245	Si/TiO2/Ti2O3 composite carbon nanofiber by one-step heat treatment with highly enhanced ion/electron diffusion rates for next-generation lithium-ion batteries. *Electrochimica Acta*, **2020**, 337, 135789	6.7	13
244	Optimized preparation of LiNi0.6Mn0.2Co0.2O2 with single crystal morphology cathode material for lithium-ion batteries. *Ionics*, **2020**, 26, 2689-2698	2.7	15
243	Iron/manganese oxide-decorated GO-regulated highly porous polyacrylonitrile hollow fiber membrane and its excellent methylene blue-removing performance. *Journal of Membrane Science*, **2020**, 607, 118180	9.6	3
242	Polyacrylonitrile homogeneous blend hollow fiber membrane with stable structure as a substrate to support Fe/Mn oxide and its enhanced capability to purify dye wastewater. *Journal of Polymer Engineering*, **2020**, 40, 469-479	1.4	
241	Highly Transparent, Thermally Stable, and Mechanically Robust Hybrid Cellulose-Nanofiber/Polymer Substrates for the Electrodes of Flexible Solar Cells. *ACS Applied Energy Materials*, **2020**, 3, 785-793	6.1	17
240	The effects of reheating process on the electrochemical properties of single crystal LiNi0.6Mn0.2Co0.2O2. *Solid State Ionics*, **2020**, 345, 115200	3.3	9
239	Washable, durable and flame retardant conductive textiles based on reduced graphene oxide modification. *Cellulose*, **2020**, 27, 1763-1771	5.5	28
238	Chemically interconnected ternary AgNP/polypyrrole/functionalized buckypaper composites as high-energy-density supercapacitor electrodes. *Chemical Physics Letters*, **2020**, 739, 136957	2.5	6

237	Garnet-rich composite solid electrolytes for dendrite-free, high-rate, solid-state lithium-metal batteries. *Energy Storage Materials*, **2020**, 26, 448-456	19.4	46
236	Centrifugally spun porous carbon microfibers as interlayer for Li□S batteries. *Journal of Materials Science*, **2020**, 55, 3538-3548	4.3	14
235	Fe3C composite carbon nanofiber interlayer for efficient trapping and conversion of polysulfides in lithium-sulfur batteries. *Journal of Alloys and Compounds*, **2020**, 847, 156443	5.7	18
234	Highly Transparent and Colorless Nanocellulose/Polyimide Substrates with Enhanced Thermal and Mechanical Properties for Flexible OLED Displays. *Advanced Materials Interfaces*, **2020**, 7, 2000928	4.6	16
233	Porous carbon nanosheets derived from expanded graphite for supercapacitors and sodium-ion batteries. *Journal of Materials Science*, **2020**, 55, 16323-16333	4.3	2
232	Highly Thermally Stable, Green Solvent Disintegrable, and Recyclable Polymer Substrates for Flexible Electronics. *Macromolecular Rapid Communications*, **2020**, 41, e2000292	4.8	4
231	A sustainable platform of lignin: From bioresources to materials and their applications in rechargeable batteries and supercapacitors. *Progress in Energy and Combustion Science*, **2020**, 76, 100788	33.6	100
230	Centrifugal Spinning□High Rate Production of Nanofibers **2019**, 321-338		5
229	SnS hollow nanofibers as anode materials for sodium-ion batteries with high capacity and ultra-long cycling stability. *Chemical Communications*, **2019**, 55, 505-508	5.8	32
228	BODIPY-embedded electrospun materials in antimicrobial photodynamic inactivation. *Photochemical and Photobiological Sciences*, **2019**, 18, 1923-1932	4.2	27
227	AgNP/crystalline PANI/EBP-composite-based supercapacitor electrode with internal chemical interactions. *Journal of Applied Polymer Science*, **2019**, 136, 48164	2.9	1
226	Binding Conductive Ink Initiatively and Strongly: Transparent and Thermally Stable Cellulose Nanopaper as a Promising Substrate for Flexible Electronics. *ACS Applied Materials & Interfaces* , **2019**, 11, 20281-20290	9.5	21
225	Flexible polyaniline-carbon nanofiber supercapacitor electrodes. *Journal of Energy Storage*, **2019**, 24, 100766	7.8	66
224	Hybrid Carbon Nanotube Fabrics with Sacrificial Nanofibers for Flexible High Performance Lithium-Ion Battery Anodes. *Journal of the Electrochemical Society*, **2019**, 166, A473-A479	3.9	12
223	Multifunctional High-Performance Electrocatalytic Properties of Nb2O5 Incorporated Carbon Nanofibers as Pt Support Catalyst. *Advanced Materials Interfaces*, **2019**, 6, 1900565	4.6	19
222	Quantification on Growing Mass of Solid Electrolyte Interphase and Deposited Mn(II) on the Silicon Anode of LiMnO Full Lithium-Ion Cells. *ACS Applied Materials & Interfaces*, **2019**, 11, 27839-27845	9.5	4
221	High-Performance 3-D Fiber Network Composite Electrolyte Enabled with Li-Ion Conducting Nanofibers and Amorphous PEO-Based Cross-Linked Polymer for Ambient All-Solid-State Lithium-Metal Batteries. *Advanced Fiber Materials*, **2019**, 1, 46-60	10.9	26
220	Recent progress in polymer materials for advanced lithium-sulfur batteries. *Progress in Polymer Science*, **2019**, 90, 118-163	29.6	90

219	Flexible electrolyte-cathode bilayer framework with stabilized interface for room-temperature all-solid-state lithium-sulfur batteries. *Energy Storage Materials*, **2019**, 17, 220-225	19.4	57
218	Composite solid electrolytes for all-solid-state lithium batteries. *Materials Science and Engineering Reports*, **2019**, 136, 27-46	30.9	148
217	Hydrothermally synthesised NiCoP nanostructures and electrospun N-doped carbon nanofiber as multifunctional potential electrode for hybrid water electrolyser and supercapatteries. *Electrochimica Acta*, **2019**, 296, 1083-1094	6.7	30
216	Advanced ZnSnS3@rGO Anode Material for Superior Sodium-Ion and Lithium-Ion Storage with Ultralong Cycle Life. *ChemElectroChem*, **2019**, 6, 1183-1191	4.3	9
215	Carbon-enhanced centrifugally-spun SnSb/carbon microfiber composite as advanced anode material for sodium-ion battery. *Journal of Colloid and Interface Science*, **2019**, 536, 655-663	9.3	14
214	Reduced Graphene Oxide-Incorporated SnSb@CNF Composites as Anodes for High-Performance Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 9696-9703	9.5	34
213	High-performance SnSb@rGO@CMF composites as anode material for sodium-ion batteries through high-speed centrifugal spinning. *Journal of Alloys and Compounds*, **2018**, 752, 296-302	5.7	26
212	In Situ Polymerization of Nanostructured Conductive Polymer on 3D Sulfur/Carbon Nanofiber Composite Network as Cathode for High-Performance Lithium–Sulfur Batteries. *Advanced Materials Interfaces*, **2018**, 5, 1701598	4.6	34
211	Glass fiber separator coated by porous carbon nanofiber derived from immiscible PAN/PMMA for high-performance lithium-sulfur batteries. *Journal of Membrane Science*, **2018**, 552, 31-42	9.6	60
210	Li0.33La0.557TiO3 ceramic nanofiber-enhanced polyethylene oxide-based composite polymer electrolytes for all-solid-state lithium batteries. *Journal of Materials Chemistry A*, **2018**, 6, 4279-4285	13	188
209	Effect of reduced graphene oxide reduction degree on the performance of polysulfide rejection in lithium-sulfur batteries. *Carbon*, **2018**, 126, 594-600	10.4	32
208	Ultrafine and polar ZrO2-inlaid porous nitrogen-doped carbon nanofiber as efficient polysulfide absorbent for high-performance lithium-sulfur batteries with long lifespan. *Chemical Engineering Journal*, **2018**, 349, 376-387	14.7	62
207	Conductive textiles **2018**, 305-334		3
206	Hollow carbon sphere with open pore encapsulated MnO2 nanosheets as high-performance anode materials for lithium ion batteries. *Electrochimica Acta*, **2018**, 260, 783-788	6.7	40
205	Surface processing and ageing behavior of silk fabrics treated with atmospheric-pressure plasma for pigment-based ink-jet printing. *Applied Surface Science*, **2018**, 434, 198-203	6.7	17
204	Biomass-derived porous carbon modified glass fiber separator as polysulfide reservoir for Li-S batteries. *Journal of Colloid and Interface Science*, **2018**, 513, 231-239	9.3	53
203	Cobalt doping of tin disulfide/reduced graphene oxide nanocomposites for enhanced pseudocapacitive sodium-ion storage. *Communications Chemistry*, **2018**, 1,	6.3	19
202	Electrospun Kraft Lignin/Cellulose Acetate-Derived Nanocarbon Network as an Anode for High-Performance Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 44368-44375	9.5	19

201	Rationally designed carbon coated ZnSnS3 nano cubes as high-performance anode for advanced sodium-ion batteries. *Electrochimica Acta*, **2018**, 292, 646-654	6.7	15
200	Carbon-coated CoS@rGO anode material with enhanced cyclic stability for sodium storage. *Materials Letters*, **2018**, 233, 158-161	3.3	15
199	Study of poly(N-isopropylacrylamide) grafted cotton fabrics initiated by atmospheric pressure plasma. *Applied Surface Science*, **2018**, 453, 182-191	6.7	5
198	High-strength, thermally stable nylon 6,6 composite nanofiber separators for lithium-ion batteries. *Journal of Materials Science*, **2017**, 52, 5232-5241	4.3	30
197	Fabrication and electrochemical behavior study of nano-fibrous sodium titanate composite. *Materials Letters*, **2017**, 188, 176-179	3.3	14
196	Pyrolytic-carbon coating in carbon nanotube foams for better performance in supercapacitors. *Journal of Power Sources*, **2017**, 343, 492-501	8.9	23
195	Preparation of SiO2/PS superhydrophobic fibers with bionic controllable micro□nano structure via centrifugal spinning. *RSC Advances*, **2017**, 7, 11041-11048	3.7	18
194	Tin nanoparticles embedded in ordered mesoporous carbon as high-performance anode for sodium-ion batteries. *Journal of Solid State Electrochemistry*, **2017**, 21, 1385-1395	2.6	17
193	The electrochemical performance of SnSb/C nanofibers with different morphologies and underlying mechanism. *Journal of Materials Research*, **2017**, 32, 1184-1193	2.5	6
192	A novel bi-functional double-layer rGO□PVDF/PVDF composite nanofiber membrane separator with enhanced thermal stability and effective polysulfide inhibition for high-performance lithium□sulfur batteries. *Journal of Materials Chemistry A*, **2017**, 5, 15096-15104	13	91
191	Facile fabrication of foldable electrospun polyacrylonitrile-based carbon nanofibers for flexible lithium-ion batteries. *Journal of Materials Chemistry A*, **2017**, 5, 12914-12921	13	52
190	In-situ formation of tin-antimony sulfide in nitrogen-sulfur Co-doped carbon nanofibers as high performance anode materials for sodium-ion batteries. *Carbon*, **2017**, 120, 380-391	10.4	63
189	Carbon-Coated Magnesium Ferrite Nanofibers for Lithium-Ion Battery Anodes with Enhanced Cycling Performance. *Energy Technology*, **2017**, 5, 1364-1372	3.5	16
188	Split Sn-Cu Alloys on Carbon Nanofibers by One-step Heat Treatment for Long-Lifespan Lithium-Ion Batteries. *Electrochimica Acta*, **2017**, 225, 350-357	6.7	14
187	Hollow core□shell structured silicon@carbon nanoparticles embed in carbon nanofibers as binder-free anodes for lithium-ion batteries. *Journal of Power Sources*, **2017**, 342, 467-475	8.9	91
186	Channelized carbon nanofiber with uniform-dispersed GeO2 as anode for long-lifespan lithium-ion batteries. *Journal of Alloys and Compounds*, **2017**, 729, 313-322	5.7	11
185	Highly mesoporous C nanofibers with graphitized pore walls fabricated via ZnCo2O4-induced activating-catalyzed-graphitization for long-lifespan lithium-ion batteries. *Journal of Materials Chemistry A*, **2017**, 5, 21679-21687	13	19
184	GeOx ultra-dispersed in microporous carbon nanofibers: a binder-free anode for high performance lithium-ion battery. *Electrochimica Acta*, **2017**, 246, 981-989	6.7	11

183	Chemical characterization of electrospun nanofibers **2017**, 181-206		2
182	Physical characterization of electrospun nanofibers **2017**, 207-238		5
181	Synthesis of Nitrogen-Doped Electrospun Carbon Nanofibers as Anode Material for High-Performance Sodium-Ion Batteries. *Energy Technology*, **2016**, 4, 1440-1449	3.5	44
180	Poly(vinyl Alcohol) Borate Gel Polymer Electrolytes Prepared by Electrodeposition and Their Application in Electrochemical Supercapacitors. *ACS Applied Materials & Interfaces*, **2016**, 8, 3473-81	9.5	67
179	Understanding glass fiber membrane used as a novel separator for lithium□sulfur batteries. *Journal of Membrane Science*, **2016**, 504, 89-96	9.6	125
178	Controlled Synthesis of Carbon Nanofibers Anchored with Zn(x)Co(3-x)O4 Nanocubes as Binder-Free Anode Materials for Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2016**, 8, 2591-9	9.5	51
177	Silica/polyacrylonitrile hybrid nanofiber membrane separators via sol-gel and electrospinning techniques for lithium-ion batteries. *Journal of Power Sources*, **2016**, 313, 205-212	8.9	110
176	Highly porous polyacrylonitrile/graphene oxide membrane separator exhibiting excellent anti-self-discharge feature for high-performance lithium□sulfur batteries. *Carbon*, **2016**, 101, 272-280	10.4	176
175	Comparing the structures and sodium storage properties of centrifugally spun SnO2 microfiber anodes with/without chemical vapor deposition. *Journal of Materials Science*, **2016**, 51, 4549-4558	4.3	6
174	Porous one-dimensional carbon/iron oxide composite for rechargeable lithium-ion batteries with high and stable capacity. *Journal of Alloys and Compounds*, **2016**, 672, 79-85	5.7	54
173	Study on an improved bio-electrode made with glucose oxidase immobilized mesoporous carbon in biofuel cells. *RSC Advances*, **2016**, 6, 24451-24457	3.7	8
172	A novel separator coated by carbon for achieving exceptional high performance lithium-sulfur batteries. *Nano Energy*, **2016**, 20, 176-184	17.1	162
171	Controllable synthesis of carbon-coated Sn?SnO2?carbon-nanofiber membrane as advanced binder-free anode for lithium-ion batteries. *Electrochimica Acta*, **2016**, 188, 661-670	6.7	42
170	Photosensitizer-Embedded Polyacrylonitrile Nanofibers as Antimicrobial Non-Woven Textile. *Nanomaterials*, **2016**, 6,	5.4	41
169	Chemical vapor deposited MoS2/electrospun carbon nanofiber composite as anode material for high-performance sodium-ion batteries. *Electrochimica Acta*, **2016**, 222, 1751-1760	6.7	43
168	Electrospun ZnO□SnO2 composite nanofibers with enhanced electrochemical performance as lithium-ion anodes. *Ceramics International*, **2016**, 42, 10826-10832	5.1	30
167	Nanoscale Porous Lithium Titanate Anode for Superior High Temperature Performance. *ACS Applied Materials & Interfaces*, **2016**, 8, 12127-33	9.5	14
166	Sandwich structure of graphene-protected silicon/carbon nanofibers for lithium-ion battery anodes. *Electrochimica Acta*, **2016**, 210, 53-60	6.7	57

165	Superior high-voltage aqueous carbon/carbon supercapacitors operating with in situ electrodeposited polyvinyl alcohol borate gel polymer electrolytes. *Journal of Materials Chemistry A* , **2016**, 4, 16588-16596	13	25
164	Hierarchical multi-component nanofiber separators for lithium polysulfide capture in lithium–sulfur batteries: an experimental and molecular modeling study. *Journal of Materials Chemistry A*, **2016**, 4, 13572-13581	13	52
163	Excimer Ultraviolet-Irradiated Carbon Nanofibers as Advanced Anodes for Long Cycle Life Lithium-Ion Batteries. *Small*, **2016**, 12, 5269-5275	11	17
162	Centrifugally-spun carbon microfibers and porous carbon microfibers as anode materials for sodium-ion batteries. *Journal of Power Sources*, **2016**, 327, 333-339	8.9	23
161	The study on structure and electrochemical sodiation of one-dimensional nanocrystalline TiO2@C nanofiber composites. *Electrochimica Acta*, **2015**, 176, 989-996	6.7	44
160	Carbon-Confined SnO2-Electrodeposited Porous Carbon Nanofiber Composite as High-Capacity Sodium-Ion Battery Anode Material. *ACS Applied Materials & Interfaces*, **2015**, 7, 18387-96	9.5	117
159	Nitrogen-doped carbon nanofibers derived from polyacrylonitrile for use as anode material in sodium-ion batteries. *Carbon*, **2015**, 94, 189-195	10.4	219
158	Preparation of a graphene-loaded carbon nanofiber composite with enhanced graphitization and conductivity for biosensing applications. *RSC Advances*, **2015**, 5, 30602-30609	3.7	14
157	Flexible binder-free silicon/silica/carbon nanofiber composites as anode for lithium-ion batteries. *Electrochimica Acta*, **2015**, 169, 52-60	6.7	64
156	SiO2-confined silicon/carbon nanofiber composites as an anode for lithium-ion batteries. *RSC Advances*, **2015**, 5, 34744-34751	3.7	17
155	Plasma-Assisted Preparation of High-Performance Chitosan Nanofibers/Gauze Composite Bandages. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2015**, 64, 709-717	3	7
154	Lithium-substituted sodium layered transition metal oxide fibers as cathodes for sodium-ion batteries. *Energy Storage Materials*, **2015**, 1, 74-81	19.4	24
153	A laser ultrasound transducer using carbon nanofibers–polydimethylsiloxane composite thin film. *Applied Physics Letters*, **2015**, 106, 021902	3.4	69
152	Pyrolytic carbon-coated silicon/carbon nanofiber composite anodes for high-performance lithium-ion batteries. *Journal of Power Sources*, **2015**, 298, 130-137	8.9	61
151	High performance carbon nanotube--polymer nanofiber hybrid fabrics. *Nanoscale*, **2015**, 7, 16744-54	7.7	20
150	Hollow-in-Hollow Carbon Spheres for Lithium-ion Batteries with Superior Capacity and Cyclic Performance. *Electrochimica Acta*, **2015**, 186, 436-441	6.7	25
149	SiO2/polyacrylonitrile membranes via centrifugal spinning as a separator for Li-ion batteries. *Journal of Power Sources*, **2015**, 273, 1114-1119	8.9	70
148	Centrifugally-spun tin-containing carbon nanofibers as anode material for lithium-ion batteries. *Journal of Materials Science*, **2015**, 50, 1094-1102	4.3	33

147	Centrifugal spinning: A novel approach to fabricate porous carbon fibers as binder-free electrodes for electric double-layer capacitors. *Journal of Power Sources*, **2015**, 273, 502-510	8.9	64
146	Nanofiber-Based Membrane Separators for Lithium-ion Batteries. *Materials Research Society Symposia Proceedings*, **2015**, 1718, 157-161		3
145	Centrifugally Spun SnO2 Microfibers Composed of Interconnected Nanoparticles as the Anode in Sodium-Ion Batteries. *ChemElectroChem*, **2015**, 2, 1947-1956	4.3	18
144	NiCu Alloy Nanoparticle-Loaded Carbon Nanofibers for Phenolic Biosensor Applications. *Sensors*, **2015**, 15, 29419-33	3.8	20
143	Use of a tin antimony alloy-filled porous carbon nanofiber composite as an anode in sodium-ion batteries. *RSC Advances*, **2015**, 5, 30793-30800	3.7	63
142	Polymethylmethacrylate/Polyacrylonitrile Membranes via Centrifugal Spinning as Separator in Li-Ion Batteries. *Polymers*, **2015**, 7, 629-643	4.5	56
141	Tin nanoparticle-loaded porous carbon nanofiber composite anodes for high current lithium-ion batteries. *Journal of Power Sources*, **2015**, 278, 660-667	8.9	56
140	High cyclability of carbon-coated TiO2 nanoparticles as anode for sodium-ion batteries. *Electrochimica Acta*, **2015**, 157, 142-148	6.7	104
139	Functional Nanofibers for Energy Storage **2015**, 513-547		
138	Functional Nanofibers for Energy Storage **2015**, 1-28		
137	Nanoparticle-on-nanofiber hybrid membrane separators for lithium-ion batteries via combining electrospraying and electrospinning techniques. *Journal of Membrane Science*, **2014**, 456, 57-65	9.6	156
136	The effects of electrospinning parameters on coaxial Sn/C nanofibers: Morphology and lithium storage performance. *Electrochimica Acta*, **2014**, 121, 345-351	6.7	47
135	Carbon-Confined PVA-Derived Silicon/Silica/Carbon Nanofiber Composites as Anode for Lithium-Ion Batteries. *Journal of the Electrochemical Society*, **2014**, 161, A2197-A2203	3.9	35
134	Free-standing polyaniline□porous carbon nanofiber electrodes for symmetric and asymmetric supercapacitors. *RSC Advances*, **2014**, 4, 59427-59435	3.7	46
133	Sulfur gradient-distributed CNF composite: a self-inhibiting cathode for binder-free lithium-sulfur batteries. *Chemical Communications*, **2014**, 50, 10277-80	5.8	71
132	Tuning electrochemical performance of Si-based anodes for lithium-ion batteries by employing atomic layer deposition alumina coating. *Journal of Materials Chemistry A*, **2014**, 2, 11417-11425	13	34
131	A review of recent developments in membrane separators for rechargeable lithium-ion batteries. *Energy and Environmental Science*, **2014**, 7, 3857-3886	35.4	884
130	Preparation and characterization of electrospun nanofiber-coated membrane separators for lithium-ion batteries. *Journal of Solid State Electrochemistry*, **2014**, 18, 2451-2458	2.6	36

129	Copper-doped Li4Ti5O12/carbon nanofiber composites as anode for high-performance sodium-ion batteries. *Journal of Power Sources*, **2014**, 272, 860-865	8.9	73
128	Evaluation of electrospun SiO2/nylon 6,6 nanofiber membranes as a thermally-stable separator for lithium-ion batteries. *Electrochimica Acta*, **2014**, 133, 501-508	6.7	102
127	Comparison of Si/C, Ge/C and Sn/C composite nanofiber anodes used in advanced lithium-ion batteries. *Solid State Ionics*, **2014**, 254, 17-26	3.3	38
126	One-dimensional SiOC/C composite nanofibers as binder-free anodes for lithium-ion batteries. *Journal of Power Sources*, **2014**, 254, 33-38	8.9	37
125	Carbon-enhanced electrodeposited SnO2/carbon nanofiber composites as anode for lithium-ion batteries. *Journal of Power Sources*, **2014**, 264, 240-247	8.9	86
124	Preparation and characterization of carbon-coated NaVPO 4 F as cathode material for rechargeable sodium-ion batteries. *Journal of Power Sources*, **2014**, 247, 770-777	8.9	112
123	Chamber-confined silicon-carbon nanofiber composites for prolonged cycling life of Li-ion batteries. *Nanoscale*, **2014**, 6, 7489-95	7.7	52
122	Centrifugal Spinning: An Alternative Approach to Fabricate Nanofibers at High Speed and Low Cost. *Polymer Reviews*, **2014**, 54, 677-701	14	195
121	Electrospun Nanofibers for Design and Fabrication of Electrocatalysts and Electrolyte Membranes for Fuel cells. *Nanostructure Science and Technology*, **2014**, 41-67	0.9	2
120	Nanosized Ge@CNF, Ge@C@CNF and Ge@CNF@C composites via chemical vapour deposition method for use in advanced lithium-ion batteries. *Journal of Power Sources*, **2014**, 253, 366-372	8.9	45
119	Coaxial electrospun Si/C□ core□shell composite nanofibers as binder-free anodes for lithium-ion batteries. *Solid State Ionics*, **2014**, 258, 67-73	3.3	33
118	Aligned carbon nanotube-silicon sheets: a novel nano-architecture for flexible lithium ion battery electrodes. *Advanced Materials*, **2013**, 25, 5109-14	24	192
117	Electrospun nanofiber-coated separator membranes for lithium-ion rechargeable batteries. *Journal of Applied Polymer Science*, **2013**, 129, 1939-1951	2.9	72
116	Co3O4/Carbon Composite Nanofibers for Use as Anode Material in Advanced Lithium-Ion Batteries. *ACS Symposium Series*, **2013**, 55-66	0.4	
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