Xiangwu Zhang

List of Publications by Citations

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	Recent developments in nanostructured anode materials for rechargeable lithium-ion batteries. *Energy and Environmental Science*, **2011**, 4, 2682	35.4	1848
271	A review of recent developments in membrane separators for rechargeable lithium-ion batteries. *Energy and Environmental Science*, **2014**, 7, 3857-3886	35.4	884
270	In situ TEM study of lithiation behavior of silicon nanoparticles attached to and embedded in a carbon matrix. *ACS Nano*, **2012**, 6, 8439-47	16.7	291
269	Lithium□oxygen batteries□limiting factors that affect performance. *Journal of Power Sources*, **2011**, 196, 4436-4444	8.9	271
268	Nitrogen-doped carbon nanofibers derived from polyacrylonitrile for use as anode material in sodium-ion batteries. *Carbon*, **2015**, 94, 189-195	10.4	219
267	Time dependence of piezoresistance for the conductor-filled polymer composites. *Journal of Polymer Science, Part B: Polymer Physics*, **2000**, 38, 2739-2749	2.6	219
266	Electrospun hydrophilic fumed silica/polyacrylonitrile nanofiber-based composite electrolyte membranes. *Electrochimica Acta*, **2009**, 54, 3630-3637	6.7	208
265	Porous carbon nanofibers from electrospun polyacrylonitrile/SiO2 composites as an energy storage material. *Carbon*, **2009**, 47, 3346-3354	10.4	204
264	Centrifugal Spinning: An Alternative Approach to Fabricate Nanofibers at High Speed and Low Cost. *Polymer Reviews*, **2014**, 54, 677-701	14	195
263	Aligned carbon nanotube-silicon sheets: a novel nano-architecture for flexible lithium ion battery electrodes. *Advanced Materials*, **2013**, 25, 5109-14	24	192
262	Fabrication of porous carbon nanofibers and their application as anode materials for rechargeable lithium-ion batteries. *Nanotechnology*, **2009**, 20, 155705	3.4	192
261	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
260	□Fe2O3 nanoparticle-loaded carbon nanofibers as stable and high-capacity anodes for rechargeable lithium-ion batteries. *ACS Applied Materials & Interfaces*, **2012**, 4, 2672-9	9.5	181
259	Electrospun carbon nanofibers containing silicon particles as an energy-storage medium. *Carbon*, **2009**, 47, 3219-3226	10.4	177
258	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
257	A novel separator coated by carbon for achieving exceptional high performance lithium-sulfur batteries. *Nano Energy*, **2016**, 20, 176-184	17.1	162
256	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

255	Electrochemical performance of lithium ion battery, nano-silicon-based, disordered carbon composite anodes with different microstructures. *Journal of Power Sources*, **2004**, 125, 206-213	8.9	151
254	Composite solid electrolytes for all-solid-state lithium batteries. *Materials Science and Engineering Reports*, **2019**, 136, 27-46	30.9	148
253	Electrospun Nanofiber-Based Anodes, Cathodes, and Separators for Advanced Lithium-Ion Batteries. *Polymer Reviews*, **2011**, 51, 239-264	14	146
252	Electrospun carbon-tin oxide composite nanofibers for use as lithium ion battery anodes. *ACS Applied Materials & Interfaces*, **2011**, 3, 2534-42	9.5	141
251	Fabrication of carbon nanofiber-driven electrodes from electrospun polyacrylonitrile/polypyrrole bicomponents for high-performance rechargeable lithium-ion batteries. *Journal of Power Sources*, **2010**, 195, 2050-2056	8.9	140
250	Parameter study and characterization for polyacrylonitrile nanofibers fabricated via centrifugal spinning process. *European Polymer Journal*, **2013**, 49, 3834-3845	5.2	127
249	Understanding glass fiber membrane used as a novel separator for lithium–sulfur batteries. *Journal of Membrane Science*, **2016**, 504, 89-96	9.6	125
248	Durable antibacterial Ag/polyacrylonitrile (Ag/PAN) hybrid nanofibers prepared by atmospheric plasma treatment and electrospinning. *European Polymer Journal*, **2011**, 47, 1402-1409	5.2	125
247	Fabrication of porous carbon/Si composite nanofibers as high-capacity battery electrodes. *Electrochemistry Communications*, **2009**, 11, 1146-1149	5.1	123
246	Carbon-coated Si nanoparticles dispersed in carbon nanotube networks as anode material for lithium-ion batteries. *ACS Applied Materials & Interfaces*, **2013**, 5, 21-5	9.5	122
245	Preparation and electrochemical characterization of ionic-conducting lithium lanthanum titanate oxide/polyacrylonitrile submicron composite fiber-based lithium-ion battery separators. *Journal of Power Sources*, **2011**, 196, 436-441	8.9	121
244	One-step synthesis of silver nanoparticle-filled nylon 6 nanofibers and their antibacterial properties. *Journal of Materials Chemistry*, **2011**, 21, 10330		120
243	Evaluation of Si/carbon composite nanofiber-based insertion anodes for new-generation rechargeable lithium-ion batteries. *Energy and Environmental Science*, **2010**, 3, 124-129	35.4	120
242	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
241	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
240	Effect of CVD carbon coatings on Si@CNF composite as anode for lithium-ion batteries. *Nano Energy*, **2013**, 2, 976-986	17.1	112
239	Carbon nanotube-loaded electrospun LiFePO4/carbon composite nanofibers as stable and binder-free cathodes for rechargeable lithium-ion batteries. *ACS Applied Materials & Interfaces*, **2012**, 4, 1273-80	9.5	112
238	Heat treatment of electrospun Polyvinylidene fluoride fibrous membrane separators for rechargeable lithium-ion batteries. *Journal of Power Sources*, **2013**, 240, 204-211	8.9	111

237	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
236	Porous carbon nanofibers loaded with manganese oxide particles: Formation mechanism and electrochemical performance as energy-storage materials. *Journal of Materials Chemistry*, **2009**, 19, 5593		105
235	High cyclability of carbon-coated TiO2 nanoparticles as anode for sodium-ion batteries. *Electrochimica Acta*, **2015**, 157, 142-148	6.7	104
234	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
233	Manganese oxide nanoparticle-loaded porous carbon nanofibers as anode materials for high-performance lithium-ion batteries. *Electrochemistry Communications*, **2009**, 11, 795-798	5.1	102
232	Generation of activated carbon nanofibers from electrospun polyacrylonitrile-zinc chloride composites for use as anodes in lithium-ion batteries. *Electrochemistry Communications*, **2009**, 11, 684-687	5.1	101
231	Fabrication and electrochemical characteristics of electrospun LiFePO4/carbon composite fibers for lithium-ion batteries. *Journal of Power Sources*, **2011**, 196, 7692-7699	8.9	101
230	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
229	Ultrafine polyacrylonitrile/silica composite fibers via electrospinning. *Materials Letters*, **2008**, 62, 2161-2164	3.4	97
228	Electrospun polyacrylonitrile fibers with dispersed Si nanoparticles and their electrochemical behaviors after carbonization. *Journal of Materials Chemistry*, **2009**, 19, 4992		95
227	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
226	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
225	Recent progress in polymer materials for advanced lithium-sulfur batteries. *Progress in Polymer Science*, **2019**, 90, 118-163	29.6	90
224	Carbon-enhanced electrodeposited SnO2/carbon nanofiber composites as anode for lithium-ion batteries. *Journal of Power Sources*, **2014**, 264, 240-247	8.9	86
223	Electrodeposited MnOx/carbon nanofiber composites for use as anode materials in rechargeable lithium-ion batteries. *Journal of Power Sources*, **2010**, 195, 5025-5031	8.9	84
222	Preparation and characterization of silica nanoparticulate-polyacrylonitrile composite and porous nanofibers. *Nanotechnology*, **2008**, 19, 085605	3.4	79
221	Structure control and performance improvement of carbon nanofibers containing a dispersion of silicon nanoparticles for energy storage. *Carbon*, **2013**, 51, 185-194	10.4	76
220	In-situ encapsulation of nickel particles in electrospun carbon nanofibers and the resultant electrochemical performance. *Chemistry - A European Journal*, **2009**, 15, 10718-22	4.8	75

219	Cr-doped Li2MnSiO4/carbon composite nanofibers as high-energy cathodes for Li-ion batteries. *Journal of Materials Chemistry*, **2012**, 22, 14661		74
218	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
217	Assembly of carbon-SnO2 core-sheath composite nanofibers for superior lithium storage. *Chemistry - A European Journal*, **2010**, 16, 11543-8	4.8	73
216	Electrospun nanofiber-coated separator membranes for lithium-ion rechargeable batteries. *Journal of Applied Polymer Science*, **2013**, 129, 1939-1951	2.9	72
215	Si/C composite nanofibers with stable electric conductive network for use as durable lithium-ion battery anode. *Nano Energy*, **2013**, 2, 361-367	17.1	72
214	Fabrication and characterization of LATP/PAN composite fiber-based lithium-ion battery separators. *Electrochimica Acta*, **2011**, 56, 6474-6480	6.7	72
213	Sulfur gradient-distributed CNF composite: a self-inhibiting cathode for binder-free lithium-sulfur batteries. *Chemical Communications*, **2014**, 50, 10277-80	5.8	71
212	SiO2/polyacrylonitrile membranes via centrifugal spinning as a separator for Li-ion batteries. *Journal of Power Sources*, **2015**, 273, 1114-1119	8.9	70
211	A laser ultrasound transducer using carbon nanofibers□olydimethylsiloxane composite thin film. *Applied Physics Letters*, **2015**, 106, 021902	3.4	69
210	Superacidic Electrospun Fiber-Nafion Hybrid Proton Exchange Membranes. *Advanced Energy Materials*, **2011**, 1, 1133-1140	21.8	69
209	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
208	Fabrication and characterization of SiO2/PVDF composite nanofiber-coated PP nonwoven separators for lithium-ion batteries. *Journal of Polymer Science, Part B: Polymer Physics*, **2013**, 51, 1719-1726	2.6	67
207	Flexible polyaniline-carbon nanofiber supercapacitor electrodes. *Journal of Energy Storage*, **2019**, 24, 100766	7.8	66
206	High-capacity Li2Mn0.8Fe0.2SiO4/carbon composite nanofiber cathodes for lithium-ion batteries. *Journal of Power Sources*, **2012**, 213, 10-15	8.9	65
205	Flexible binder-free silicon/silica/carbon nanofiber composites as anode for lithium□on batteries. *Electrochimica Acta*, **2015**, 169, 52-60	6.7	64
204	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
203	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
202	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

201	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
200	Electrospun polyacrylonitrile/zinc chloride composite nanofibers and their response to hydrogen sulfide. *Polymer*, **2009**, 50, 605-612	3.9	62
199	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
198	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
197	Fabrication and Electrochemical Characteristics of LiFePO4 Powders for Lithium-Ion Batteries. *KONA Powder and Particle Journal*, **2010**, 28, 50-73	3.4	59
196	Preparation and properties of nanofiber-coated composite membranes as battery separators via electrospinning. *Journal of Materials Science*, **2013**, 48, 2690-2700	4.3	57
195	Characteristics of lithium-ion-conducting composite polymer-glass secondary cell electrolytes. *Journal of Power Sources*, **2002**, 112, 209-215	8.9	57
194	Sandwich structure of graphene-protected silicon/carbon nanofibers for lithium-ion battery anodes. *Electrochimica Acta*, **2016**, 210, 53-60	6.7	57
193	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
192	Interlayer design based on carbon materials for lithium sulfur batteries: a review. *Journal of Materials Chemistry A*, **2020**, 8, 10709-10735	13	56
191	Synthesis and characterization of xLi2MnO3 (1 k)LiMn1/3Ni1/3Co1/3O2 composite cathode materials for rechargeable lithium-ion batteries. *Journal of Power Sources*, **2013**, 241, 522-528	8.9	56
190	Polymethylmethacrylate/Polyacrylonitrile Membranes via Centrifugal Spinning as Separator in Li-Ion Batteries. *Polymers*, **2015**, 7, 629-643	4.5	56
189	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
188	Sulfonated polystyrene fiber network-induced hybrid proton exchange membranes. *ACS Applied Materials & Interfaces*, **2011**, 3, 3732-7	9.5	55
187	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
186	A simple method to encapsulate SnSb nanoparticles into hollow carbon nanofibers with superior lithium-ion storage capability. *Journal of Materials Chemistry A*, **2013**, 1, 13807	13	53
185	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
184	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

183	Chamber-confined silicon-carbon nanofiber composites for prolonged cycling life of Li-ion batteries. *Nanoscale*, **2014**, 6, 7489-95	7.7	52
182	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	10.7	52
181	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
180	Multifunctional ZnO/Nylon 6 nanofiber mats by an electrospinning-electrospraying hybrid process for use in protective applications. *Science and Technology of Advanced Materials*, **2011**, 12, 055004	7.1	51
179	Inhibition of Lithium Dendrites by Fumed Silica-Based Composite Electrolytes. *Journal of the Electrochemical Society*, **2004**, 151, A1257	3.9	50
178	Solvent-Free Composite PEO-Ceramic Fiber/Mat Electrolytes for Lithium Secondary Cells. *Journal of the Electrochemical Society*, **2005**, 152, A205	3.9	50
177	Formation and electrochemical performance of copper/carbon composite nanofibers. *Electrochimica Acta*, **2010**, 55, 1605-1611	6.7	48
176	Impedance spectra of carbon black filled high-density polyethylene composites. *Journal of Applied Polymer Science*, **2005**, 98, 1344-1350	2.9	48
175	The effects of electrospinning parameters on coaxial Sn/C nanofibers: Morphology and lithium storage performance. *Electrochimica Acta*, **2014**, 121, 345-351	6.7	47
174	Electrospun carbon nanofibers decorated with various amounts of electrochemically-inert nickel nanoparticles for use as high-performance energy storage materials. *RSC Advances*, **2012**, 2, 192-198	3.7	47
173	Free-standing polyaniline/porous carbon nanofiber electrodes for symmetric and asymmetric supercapacitors. *RSC Advances*, **2014**, 4, 59427-59435	3.7	46
172	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
171	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
170	The study on structure and electrochemical sodiation of one-dimensional nanocrystalline TiO2@C nanofiber composites. *Electrochimica Acta*, **2015**, 176, 989-996	6.7	44
169	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
168	High-rate capability of LiFePO4 cathode materials containing Fe2P and trace carbon. *Journal of Power Sources*, **2012**, 199, 256-262	8.9	43
167	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
166	Polyaniline/MnO2/porous carbon nanofiber electrodes for supercapacitors. *Journal of Electroanalytical Chemistry*, **2020**, 861, 113995	4.1	42

165	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
164	Electrospun Li4Ti5O12/C composites for lithium-ion batteries with high rate performance. *Solid State Ionics*, **2011**, 204-205, 61-65	3.3	41
163	Photosensitizer-Embedded Polyacrylonitrile Nanofibers as Antimicrobial Non-Woven Textile. *Nanomaterials*, **2016**, 6,	5.4	41
162	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
161	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
160	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
159	Piezoresistance of conductor filled insulator composites. *Polymer International*, **2001**, 50, 229-236	3.3	39
158	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
157	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
156	Highly proton conductive electrolyte membranes: Fiber-induced long-range ionic channels. *Electrochemistry Communications*, **2011**, 13, 1005-1008	5.1	37
155	Developments of Advanced Electrospinning Techniques: A Critical Review. *Advanced Materials Technologies*, **2021**, 6, 2100410	6.8	37
154	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
153	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
152	Fabrication of carbon fibers with nanoporous morphologies from electrospun polyacrylonitrile/poly(L-lactide) blends. *Journal of Polymer Science, Part B: Polymer Physics*, **2009**, 47, 493-503	2.6	35
151	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
150	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
149	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
148	Polyvinylidene fluoride-co-chlorotrifluoroethylene and polyvinylidene fluoride-co-hexafluoropropylene nanofiber-coated polypropylene microporous battery separator membranes. *Journal of Polymer Science, Part B: Polymer Physics*, **2013**, 51, 349-357	2.6	34

147	Centrifugally-spun tin-containing carbon nanofibers as anode material for lithium-ion batteries. *Journal of Materials Science*, **2015**, 50, 1094-1102	4.3	33
146	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
145	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
144	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
143	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
142	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
141	LiFePO4 nanoparticles encapsulated in graphene-containing carbon nanofibers for use as energy storage materials. *Journal of Renewable and Sustainable Energy*, **2012**, 4, 013121	2.5	30
140	Improvement of cyclability of silicon-containing carbon nanofiber anodes for lithium-ion batteries by employing succinic anhydride as an electrolyte additive. *Journal of Solid State Electrochemistry*, **2013**, 17, 1393-1399	2.6	30
139	Electrospun ZnO–SnO2 composite nanofibers with enhanced electrochemical performance as lithium-ion anodes. *Ceramics International*, **2016**, 42, 10826-10832	5.1	30
138	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
137	Atmospheric plasma treatment of pre-electrospinning polymer solution: A feasible method to improve electrospinnability. *Journal of Polymer Science, Part B: Polymer Physics*, **2011**, 49, 115-122	2.6	29
136	Improvement in electrochemical properties of nano-tin-polyaniline lithium-ion composite anodes by control of electrode microstructure. *Journal of Power Sources*, **2002**, 109, 136-141	8.9	29
135	Enhanced Rate Capability by Employing Carbon Nanotube-Loaded Electrospun Si/C Composite Nanofibers As Binder-Free Anodes. *Journal of the Electrochemical Society*, **2013**, 160, A528-A534	3.9	28
134	Formation and characterization of core-sheath nanofibers through electrospinning and surface-initiated polymerization. *Polymer*, **2010**, 51, 4368-4374	3.9	28
133	Polystyrene/Sn–Pb alloy blends. I. Dynamic rheological behavior. *Journal of Applied Polymer Science*, **2002**, 86, 3166-3172	2.9	28
132	A new polymer composite thermistor having double PTC transitions. *Journal of Applied Polymer Science*, **2000**, 78, 424-429	2.9	28
131	Washable, durable and flame retardant conductive textiles based on reduced graphene oxide modification. *Cellulose*, **2020**, 27, 1763-1771	5.5	28
130	A liquid metal assisted dendrite-free anode for high-performance Zn-ion batteries. *Journal of Materials Chemistry A*, **2021**, 9, 5597-5605	13	28

129	BODIPY-embedded electrospun materials in antimicrobial photodynamic inactivation. *Photochemical and Photobiological Sciences*, **2019**, 18, 1923-1932	4.2	27
128	Electrodeposition of platinum nanoparticles onto carbon nanofibers for electrocatalytic oxidation of methanol. *Materials Letters*, **2009**, 63, 2115-2118	3.3	27
127	Self-discharge of secondary lithium-ion graphite anodes. *Journal of Power Sources*, **2002**, 112, 98-104	8.9	27
126	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
125	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
124	Hollow-in-Hollow Carbon Spheres for Lithium-ion Batteries with Superior Capacity and Cyclic Performance. *Electrochimica Acta*, **2015**, 186, 436-441	6.7	25
123	Novel atmospheric plasma enhanced chitosan nanofiber/gauze composite wound dressings. *Journal of Applied Polymer Science*, **2013**, 129, 916-923	2.9	25
122	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
121	Lithium-substituted sodium layered transition metal oxide fibers as cathodes for sodium-ion batteries. *Energy Storage Materials*, **2015**, 1, 74-81	19.4	24
120	Skin pressure profiles and variations with body postural changes beneath medical elastic compression stockings. *International Journal of Dermatology*, **2007**, 46, 514-23	1.7	24
119	Diameter control of electrospun polyacrylonitrile/iron acetylacetonate ultrafine nanofibers. *Journal of Polymer Science, Part B: Polymer Physics*, **2008**, 46, 1611-1618	2.6	24
118	Transport properties of solid polymer electrolytes prepared from oligomeric fluorosulfonimide lithium salts dissolved in high molecular weight poly(ethylene oxide). *Journal of Physical Chemistry B*, **2006**, 110, 23130-5	3.4	24
117	Pyrolytic-carbon coating in carbon nanotube foams for better performance in supercapacitors. *Journal of Power Sources*, **2017**, 343, 492-501	8.9	23
116	Electrocatalytic properties of Pt/carbon composite nanofibers. *Electrochimica Acta*, **2009**, 54, 7042-7047	6.7	23
115	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
114	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
113	Role of polymer□salt□solvent interactions in the electrospinning of polyacrylonitrile/iron acetylacetonate. *Journal of Applied Polymer Science*, **2008**, 109, 2935-2941	2.9	21
112	High performance carbon nanotube--polymer nanofiber hybrid fabrics. *Nanoscale*, **2015**, 7, 16744-54	7.7	20

111	NiCu Alloy Nanoparticle-Loaded Carbon Nanofibers for Phenolic Biosensor Applications. *Sensors*, **2015**, 15, 29419-33	3.8	20
110	Synthesis and electrocatalysis of 1-aminopyrene-functionalized carbon nanofiber-supported platinum□uthenium nanoparticles. *Journal of Power Sources*, **2010**, 195, 5520-5526	8.9	20
109	Multifunctional High-Performance Electrocatalytic Properties of Nb2O5 Incorporated Carbon Nanofibers as Pt Support Catalyst. *Advanced Materials Interfaces*, **2019**, 6, 1900565	4.6	19
108	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
107	A facile approach to fabricate porous nylon 6 nanofibers using silica nanotemplate. *Journal of Applied Polymer Science*, **2011**, 120, 425-433	2.9	19
106	Porous Organic-Inorganic Hybrid Electrolytes for High-Temperature Proton Exchange Membrane Fuel Cells. *Journal of the Electrochemical Society*, **2007**, 154, B322	3.9	19
105	Single-ion conductors for lithium batteries via silica surface modification. *Journal of Power Sources*, **2008**, 177, 561-565	8.9	19
104	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
103	Cobalt doping of tin disulfide/reduced graphene oxide nanocomposites for enhanced pseudocapacitive sodium-ion storage. *Communications Chemistry*, **2018**, 1,	6.3	19
102	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
101	Preparation of SiO2/PS superhydrophobic fibers with bionic controllable micro□ano structure via centrifugal spinning. *RSC Advances*, **2017**, 7, 11041-11048	3.7	18
100	Centrifugally Spun SnO2 Microfibers Composed of Interconnected Nanoparticles as the Anode in Sodium-Ion Batteries. *ChemElectroChem*, **2015**, 2, 1947-1956	4.3	18
99	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
98	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
97	SiO2-confined silicon/carbon nanofiber composites as an anode for lithium-ion batteries. *RSC Advances*, **2015**, 5, 34744-34751	3.7	17
96	Synthesis and Electrocatalysis of Carbon Nanofiber-Supported Platinum by 1-AP Functionalization and Polyol Processing Technique. *Journal of Physical Chemistry C*, **2010**, 114, 3791-3797	3.8	17
95	A novel low-melting-point alloy-loaded polymer composite. I. Effect of processing temperature on the electrical properties and morphology. *Journal of Applied Polymer Science*, **2000**, 77, 1044-1050	2.9	17
94	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

93	Excimer Ultraviolet-Irradiated Carbon Nanofibers as Advanced Anodes for Long Cycle Life Lithium-Ion Batteries. *Small*, **2016**, 12, 5269-5275	11	17
92	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
91	Carbon-Coated Magnesium Ferrite Nanofibers for Lithium-Ion Battery Anodes with Enhanced Cycling Performance. *Energy Technology*, **2017**, 5, 1364-1372	3.5	16
90	Graphene-coated pyrogenic carbon as an anode material for lithium battery. *Chemical Engineering Journal*, **2013**, 229, 399-403	14.7	16
89	Durable hydrophobic cotton surfaces prepared using silica nanoparticles and multifunctional silanes. *Journal of the Textile Institute*, **2012**, 103, 385-393	1.5	16
88	Plasma-Electrospinning Hybrid Process and Plasma Pretreatment to Improve Adhesive Properties of Nanofibers on Fabric Surface. *Plasma Chemistry and Plasma Processing*, **2012**, 32, 275-291	3.6	16
87	Ionic Transport and Interfacial Stability of Sulfonate-Modified Fumed Silicas as Nanocomposite Electrolytes. *Journal of the Electrochemical Society*, **2005**, 152, A2413	3.9	16
86	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
85	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
84	Electrospun carbon nanofiber-supported Pt-Pd alloy composites for oxygen reduction. *Journal of Materials Research*, **2010**, 25, 1329-1335	2.5	15
83	Electrospun ultrathin nylon fibers for protective applications. *Journal of Applied Polymer Science*, **2010**, 116, NA-NA	2.9	15
82	Chemical protection performance of polystyrene sulfonic acid-filled polypropylene nonwoven membranes. *Journal of Membrane Science*, **2010**, 362, 137-142	9.6	15
81	Attenuation of Aluminum Current Collector Corrosion in LiTFSI Electrolytes Using Fumed Silica Nanoparticles. *Electrochemical and Solid-State Letters*, **2004**, 7, A228		15
80	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
79	Carbon-coated CoS@rGO anode material with enhanced cyclic stability for sodium storage. *Materials Letters*, **2018**, 233, 158-161	3.3	15
78	Fabrication and electrochemical behavior study of nano-fibrous sodium titanate composite. *Materials Letters*, **2017**, 188, 176-179	3.3	14
77	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
76	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

75	Synthesis and properties of Li2MnO3-based cathode materials for lithium-ion batteries. *Journal of Alloys and Compounds*, **2013**, 577, 560-563	5.7	14
74	Centrifugally spun porous carbon microfibers as interlayer for Li S batteries. *Journal of Materials Science*, **2020**, 55, 3538-3548	4.3	14
73	Nanoscale Porous Lithium Titanate Anode for Superior High Temperature Performance. *ACS Applied Materials & Interfaces*, **2016**, 8, 12127-33	9.5	14
72	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
71	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
70	Structures and properties of SnO2 nanofibers derived from two different polymer intermediates. *Journal of Materials Science*, **2013**, 48, 3378-3385	4.3	13
69	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
68	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
67	Composite doped emeraldine polyethylene oxide-bonded lithium-ion nano-tin anodes with electronic ionic mixed conduction. *Solid State Ionics*, **2002**, 150, 383-389	3.3	12
66	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
65	Carbon black-based porous sub-micron carbon fibers for flexible supercapacitors. *Applied Surface Science*, **2021**, 537, 147914	6.7	12
64	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
63	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
62	LiF/Fe/C nanofibres as a high-capacity cathode material for Li-ion batteries. *Journal Physics D: Applied Physics*, **2012**, 45, 395301	3	11
61	Multifunctional and durable nanofiber-fabric-layered composite for protective application. *Journal of Applied Polymer Science*, **2013**, 128, 1219-1226	2.9	10
60	Electrocatalytic interaction of nano-engineered palladium on carbon nanofibers with hydrogen peroxide and NADH. *Journal of Solid State Electrochemistry*, **2011**, 15, 1287-1294	2.6	10
59	Electrochemical Performance of Carbon Nanofibers Containing an Enhanced Dispersion of Silicon Nanoparticles for Lithium-Ion Batteries by Employing Surfactants. *ECS Electrochemistry Letters*, **2012**, 1, A31-A33		10
58	Polystyrene/Sn Pb alloy blends. II. Effect of alloy particle surface treatment on dynamic rheological behavior. *Journal of Applied Polymer Science*, **2002**, 86, 3173-3179	2.9	10

57	Improving low-temperature performance of Li-alloy anodes by optimization of the electrolyte–electrode interface. *Journal of Power Sources*, **2003**, 114, 121-126	8.9	10
56	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
55	Structure–property relationships of polymer-filled nonwoven membranes for chemical protection applications. *Journal of Membrane Science*, **2010**, 361, 63-70	9.6	9
54	The influence of low-melting-point alloy on the rheological properties of a polystyrene melt. *Journal of Materials Science*, **2000**, 35, 4573-4581	4.3	9
53	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
52	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
51	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
50	A novel polymer composite with double positive-temperature-coefficient transitions: effect of filler–matrix interface on the resistivity–temperature behavior. *Polymer International*, **2008**, 57, 770-777	3.3	8
49	Novel low melting point alloy-loaded polymer composite. II. Resistivity–temperature behavior. *Journal of Applied Polymer Science*, **2000**, 77, 756-763	2.9	8
48	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
47	Advanced Zinc Anode with Nitrogen-Doping Interface Induced by Plasma Surface Treatment. *Advanced Science*, **2021**, e2103952	13.6	7
46	Flexible, transparent and tough silver nanowire/nanocellulose electrodes for flexible touch screen panels. *Carbohydrate Polymers*, **2021**, 273, 118539	10.3	7
45	The electrochemical performance of SnSb/C nanofibers with different morphologies and underlying mechanism. *Journal of Materials Research*, **2017**, 32, 1184-1193	2.5	6
44	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
43	Nanocomposite Electrolytes Using Single-Ion Conducting Fumed Silica. *Electrochemical and Solid-State Letters*, **2004**, 7, A361		6
42	ELECTRICAL PROPERTIES OF POLYMER/LOW-MELTING-POINT ALLOY BINARY SYSTEMS. *Polymer-Plastics Technology and Engineering*, **2000**, 39, 829-833		6
41	Chemically interconnected ternary AgNP/polypyrrole/functionalized buckypaper composites as high-energy-density supercapacitor electrodes. *Chemical Physics Letters*, **2020**, 739, 136957	2.5	6
40	Centrifugal Spinning–High Rate Production of Nanofibers **2019**, 321-338		5

39	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
38	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
37	Physical characterization of electrospun nanofibers **2017**, 207-238		5
36	Atmospheric plasma application to improve adhesion of electrospun nanofibers onto protective fabric. *Journal of Adhesion Science and Technology*, **2013**, 27, 924-938	2	5
35	Synthesis and characterization of polymer-filled nonwoven membranes. *Journal of Applied Polymer Science*, **2011**, 119, 2568-2575	2.9	5
34	Hydroentangling: A Novel Approach to High-Speed Fabrication of Carbon Nanotube Membranes. *Advanced Materials*, **2008**, 20, NA-NA	24	5
33	Study of poly(N-isopropylacrylamide) grafted cotton fabrics initiated by atmospheric pressure plasma. *Applied Surface Science*, **2018**, 453, 182-191	6.7	5
32	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
31	Highly Thermally Stable, Green Solvent Disintegrable, and Recyclable Polymer Substrates for Flexible Electronics. *Macromolecular Rapid Communications*, **2020**, 41, e2000292	4.8	4
30	Disintegrable, transparent and mechanically robust high-performance antimony tin oxide/nanocellulose/polyvinyl alcohol thermal insulation films. *Carbohydrate Polymers*, **2021**, 266, 118175	10.3	4
29	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
28	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
27	Conductive textiles **2018**, 305-334		3
26	Nanofiber-Based Membrane Separators for Lithium-ion Batteries. *Materials Research Society Symposia Proceedings*, **2015**, 1718, 157-161		3
25	Selective permeation of cross-linked polyelectrolyte and polyelectrolyte-filled nonwoven membranes. *Journal of Applied Polymer Science*, **2012**, 123, 227-233	2.9	3
24	Designing Energy-Storage Devices from Textile Materials. *Advanced Materials Research*, **2012**, 441, 231-234	3.3	3
23	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
22	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

21	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
20	Chemical characterization of electrospun nanofibers **2017**, 181-206		2
19	Electrospun Nanofibers for Design and Fabrication of Electrocatalysts and Electrolyte Membranes for Fuel cells. *Nanostructure Science and Technology*, **2014**, 41-67	0.9	2
18	Gamma(?)-MnO2/rGO Fibered Cathode Fabrication from Wet Spinning and Dip Coating Techniques for Cable-Shaped Zn-Ion Batteries. *Advanced Fiber Materials*,1	10.9	2
17	High-performance Sn/Carbon Composite Anodes Derived from Sn(II) Acetate/Polyacrylonitrile Precursors by Electrospinning Technology. *Current Organic Chemistry*, **2013**, 17, 1448-1454	1.7	2
16	Li₂MnSiO₄/Carbon Composite Nanofibers as a High-Capacity Cathode Material for Li-Ion Batteries. *Soft Nanoscience Letters*, **2012**, 02, 54-57	0.3	2
15	Porous carbon nanosheets derived from expanded graphite for supercapacitors and sodium-ion batteries. *Journal of Materials Science*, **2020**, 55, 16323-16333	4.3	2
14	Oriented PAN/PVDF/PAN laminated nanofiber separator for lithium-ion batteries. *Textile Reseach Journal*,004051752110050	1.7	2
13	AgNP/crystalline PANI/EBP-composite-based supercapacitor electrode with internal chemical interactions. *Journal of Applied Polymer Science*, **2019**, 136, 48164	2.9	1
12	Fibers as Energy Materials **2020**, 649-680		1
11	Polyacrylonitrile Nanofiber-Reinforced Flexible Single-Ion Conducting Polymer Electrolyte for High-Performance, Room-Temperature All-Solid-State Li-Metal Batteries. *Advanced Fiber Materials*,1	10.9	1
10	Electrospun Nanofibers Enabled Advanced Lithium–Sulfur Batteries. *Accounts of Materials Research*,	7.5	1
9	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
8	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
7	Textile Applications of Nanofibers **2022**, 41-67		1
6	Fabrication, structure and supercapacitance of flexible porous carbon nanobelt webs with enhanced inter-fiber connection. *Applied Surface Science*, **2021**, 543, 148783	6.7	0
5	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	
4	Co3O4/Carbon Composite Nanofibers for Use as Anode Material in Advanced Lithium-Ion Batteries. *ACS Symposium Series*, **2013**, 55-66	0.4	

3	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
2	Functional Nanofibers for Energy Storage **2015**, 513-547	
1	Functional Nanofibers for Energy Storage **2015**, 1-28	