

Huisheng Peng

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

317
papers

23,246
citations

84
h-index

142
g-index

345
ext. papers

27,083
ext. citations

13.6
avg, IF

7.35
L-index

#	Paper	IF	Citations
317	Carbon Nanotubes for Flexible Fiber Batteries. <i>Carbon Materials</i> , 2022 , 1-22		
316	Industrial scale production of fibre batteries by a solution-extrusion method.. <i>Nature Nanotechnology</i> , 2022 ,	28.7	20
315	Improved kinetics of OER on Ru-Pb binary electrocatalyst by decoupling proton-electron transfer. <i>Chinese Journal of Catalysis</i> , 2022 , 43, 130-138	11.3	3
314	The 2021 flexible and printed electronics roadmap. <i>Flexible and Printed Electronics</i> , 2022 , 6, 023001	3.1	33
313	An Anti-Biofouling Flexible Fiber Biofuel Cell Working in the Brain.. <i>Small Methods</i> , 2022 , e2200142	12.8	1
312	An implantable flexible fiber generator without encapsulation made from differentially oxidized carbon nanotube fibers. <i>Chemical Engineering Journal</i> , 2022 , 441, 136106	14.7	1
311	Biomedical polymers: synthesis, properties, and applications.. <i>Science China Chemistry</i> , 2022 , 1-66	7.9	11
310	Flexible sensors based on assembled carbon nanotubes. <i>Aggregate</i> , 2021 , 2, e143	22.9	2
309	An Electromagnetic Fiber Acoustic Transducer with Dual Modes of Loudspeaker and Microphone. <i>Small</i> , 2021 , 17, e2102052	11	0
308	A Tissue-Like Soft All-Hydrogel Battery. <i>Advanced Materials</i> , 2021 , e2105120	24	9
307	Large-area display textiles integrated with functional systems. <i>Nature</i> , 2021 , 591, 240-245	50.4	177
306	Regulating the Local Charge Distribution of Ni Active Sites for the Urea Oxidation Reaction. <i>Angewandte Chemie</i> , 2021 , 133, 10671-10676	3.6	15
305	Regulating the Local Charge Distribution of Ni Active Sites for the Urea Oxidation Reaction. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 10577-10582	16.4	46
304	Stabilizing Highly Active Ru Sites by Suppressing Lattice Oxygen Participation in Acidic Water Oxidation. <i>Journal of the American Chemical Society</i> , 2021 , 143, 6482-6490	16.4	38
303	High-Energy-Density Magnesium-Air Battery Based on Dual-Layer Gel Electrolyte. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 15317-15322	16.4	20
302	Polymer-Supported Liquid Layer Electrolyzer Enabled Electrochemical CO Reduction to CO with High Energy Efficiency. <i>ChemistryOpen</i> , 2021 , 10, 639-644	2.3	2
301	High-Energy-Density Magnesium-Air Battery Based on Dual-Layer Gel Electrolyte. <i>Angewandte Chemie</i> , 2021 , 133, 15445-15450	3.6	1

300	Lithium-Metal Anodes Working at 60 mA cm and 60 mAh cm through Nanoscale Lithium-Ion Adsorbing. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 17419-17425	16.4	14
299	Lithium-Metal Anodes Working at 60 mA cm ² and 60 mAh cm ² through Nanoscale Lithium-Ion Adsorbing. <i>Angewandte Chemie</i> , 2021 , 133, 17559-17565	3.6	1
298	Controllable CO adsorption determines ethylene and methane productions from CO ₂ electroreduction. <i>Science Bulletin</i> , 2021 , 66, 62-68	10.6	21
297	Hydrogel Cryo-Microtomy Continuously Making Soft Electronic Devices. <i>Advanced Functional Materials</i> , 2021 , 31, 2008355	15.6	10
296	Injectable fiber batteries for all-region power supply in vivo. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 1463-1470	13	7
295	Implantable Fiber Biosensors Based on Carbon Nanotubes. <i>Accounts of Materials Research</i> , 2021 , 2, 138-145	14.6	11
294	Long-term In Vivo Monitoring of Chemicals with Fiber Sensors. <i>Advanced Fiber Materials</i> , 2021 , 3, 47-58	10.9	14
293	A biodegradable and rechargeable fiber battery. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 10104-10109	13	8
292	Stretchable Energy Storage Devices Based on Carbon Materials. <i>Small</i> , 2021 , 17, e2005015	11	12
291	Scalable production of high-performing woven lithium-ion fibre batteries. <i>Nature</i> , 2021 , 597, 57-63	50.4	69
290	Flexible dopamine-sensing fiber based on potentiometric method for long-term detection in vivo. <i>Science China Chemistry</i> , 2021 , 64, 1763	7.9	5
289	The Rise of Soft Neural Electronics. <i>Giant</i> , 2021 , 8, 100075	5.6	1
288	A high-capacity aqueous zinc-ion battery fiber with air-recharging capability. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 6811-6818	13	18
287	Fiber Electronics 2020 ,		1
286	Robust DNA-Bridged Memristor for Textile Chips. <i>Angewandte Chemie</i> , 2020 , 132, 12862-12868	3.6	
285	Li-CO ₂ Batteries Efficiently Working at Ultra-Low Temperatures. <i>Advanced Functional Materials</i> , 2020 , 30, 2001619	15.6	20
284	Graphene Field-Effect Transistors on Hexagonal-Boron Nitride for Enhanced Interfacial Thermal Dissipation. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000059	6.4	3
283	Advanced functional polymer materials. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 1803-1915	7.8	70

282	Boosting Neutral Water Oxidation through Surface Oxygen Modulation. <i>Advanced Materials</i> , 2020 , 32, e2002297	24	24
281	A perovskite solar cell textile that works at 40 to 160 °C. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 5476-5483		14
280	Hydration-Effect-Promoting Ni-Fe Oxyhydroxide Catalysts for Neutral Water Oxidation. <i>Advanced Materials</i> , 2020 , 32, e1906806	24	33
279	Robust DNA-Bridged Memristor for Textile Chips. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12762-12768	16.4	18
278	Smart Textiles 2020 , 427-457		0
277	Fiber Dye-Sensitized Solar Cells 2020 , 71-111		
276	Fiber Memristors 2020 , 327-347		1
275	Fiber Perovskite Solar Cells 2020 , 137-159		
274	Fiber Supercapacitors 2020 , 161-194		
273	Fiber Light-Emitting Devices 2020 , 253-289		0
272	Fiber Sensors 2020 , 291-326		
271	Continuous Fabrication of Fiber Devices 2020 , 363-389		
270	Fiber Electrochemical Batteries 2020 , 195-251		
269	Flexible metal-gas batteries: a potential option for next-generation power accessories for wearable electronics. <i>Energy and Environmental Science</i> , 2020 , 13, 1933-1970	35.4	67
268	Recent advances of tissue-interfaced chemical biosensors. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 3371-3381		19
267	A fiber-shaped light-emitting pressure sensor for visualized dynamic monitoring. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 935-942	7.1	10
266	A Deep-Cycle Aqueous Zinc-Ion Battery Containing an Oxygen-Deficient Vanadium Oxide Cathode. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 2273-2278	16.4	124
265	Functionalized helical fibre bundles of carbon nanotubes as electrochemical sensors for long-term in vivo monitoring of multiple disease biomarkers. <i>Nature Biomedical Engineering</i> , 2020 , 4, 159-171	19	99

264	A Deep-Cycle Aqueous Zinc-Ion Battery Containing an Oxygen-Deficient Vanadium Oxide Cathode. <i>Angewandte Chemie</i> , 2020 , 132, 2293-2298	3.6	38
263	High-valence metals improve oxygen evolution reaction performance by modulating 3d metal oxidation cycle energetics. <i>Nature Catalysis</i> , 2020 , 3, 985-992	36.5	149
262	Fiber-shaped organic electrochemical transistors for biochemical detections with high sensitivity and stability. <i>Science China Chemistry</i> , 2020 , 63, 1281-1288	7.9	22
261	N-modulated Cu ⁺ for efficient electrochemical carbon monoxide reduction to acetate. <i>Science China Materials</i> , 2020 , 63, 2606-2612	7.1	12
260	The critical role of electrochemically activated adsorbates in neutral OER. <i>Science China Materials</i> , 2020 , 63, 2509-2516	7.1	9
259	Flexible Color-Tunable Electroluminescent Devices by Designing Dielectric-Distinguishing Double-Stacked Emissive Layers. <i>Advanced Functional Materials</i> , 2020 , 30, 2005200	15.6	12
258	Gradually Crosslinking Carbon Nanotube Array in Mimicking the Beak of Giant Squid for Compression-Sensing Supercapacitor. <i>Advanced Functional Materials</i> , 2020 , 30, 1902971	15.6	9
257	Making Fiber-Shaped Ni//Bi Battery Simultaneously with High Energy Density, Power Density, and Safety. <i>Advanced Functional Materials</i> , 2020 , 30, 1905971	15.6	24
256	Application Challenges in Fiber and Textile Electronics. <i>Advanced Materials</i> , 2020 , 32, e1901971	24	161
255	A fiber-shaped neural probe with alterable elastic moduli for direct implantation and stable electronic-brain interfaces. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 4387-4394	7.3	16
254	Recent advances in flexible fiber-shaped metal-air batteries. <i>Energy Storage Materials</i> , 2020 , 28, 364-374	19.4	38
253	A Sodiophilic Interphase-Mediated, Dendrite-Free Anode with Ultrahigh Specific Capacity for Sodium-Metal Batteries. <i>Angewandte Chemie</i> , 2019 , 131, 17210-17216	3.6	31
252	A Lattice-Oxygen-Involved Reaction Pathway to Boost Urea Oxidation. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16820-16825	16.4	85
251	A Sodiophilic Interphase-Mediated, Dendrite-Free Anode with Ultrahigh Specific Capacity for Sodium-Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 17054-17060	16.4	71
250	Photo-to-electricity generation of aligned carbon nanotubes in water. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 1996-2001	13	4
249	Highly Surface-Wrinkled and N-Doped CNTs Anchored on Metal Wire: A Novel Fiber-Shaped Cathode toward High-Performance Flexible LiCO ₂ Batteries. <i>Advanced Functional Materials</i> , 2019 , 29, 1808117	15.6	52
248	Flexible self-powered textile formed by bridging photoactive and electrochemically active fiber electrodes. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 14447-14454	13	16
247	A shape-memory and spiral light-emitting device for precise multisite stimulation of nerve bundles. <i>Nature Communications</i> , 2019 , 10, 2790	17.4	20

246	The 3d ^d orbital repulsion of transition metals in oxyhydroxide catalysts facilitates water oxidation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 14455-14461	13	16
245	A highly efficient alkaline HER CoMo bimetallic carbide catalyst with an optimized Mo d-orbital electronic state. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12434-12439	13	32
244	The Rise of Fiber Electronics. <i>Angewandte Chemie</i> , 2019 , 131, 13778-13788	3.6	11
243	The Rise of Fiber Electronics. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13643-13653	16.4	48
242	Amphiphilic core-sheath structured composite fiber for comprehensively performed supercapacitor. <i>Science China Materials</i> , 2019 , 62, 955-964	7.1	21
241	Polymer-based flexible bioelectronics. <i>Science Bulletin</i> , 2019 , 64, 634-640	10.6	33
240	A tactile sensing textile with bending-independent pressure perception and spatial acuity. <i>Carbon</i> , 2019 , 149, 63-70	10.4	19
239	Rational Design of a Flexible CNTs@PDMS Film Patterned by Bio-Inspired Templates as a Strain Sensor and Supercapacitor. <i>Small</i> , 2019 , 15, e1805493	11	60
238	Multifunctional Fibers to Shape Future Biomedical Devices. <i>Advanced Functional Materials</i> , 2019 , 29, 1902834	15.6	51
237	A safe and non-flammable sodium metal battery based on an ionic liquid electrolyte. <i>Nature Communications</i> , 2019 , 10, 3302	17.4	91
236	A Lattice-Oxygen-Involved Reaction Pathway to Boost Urea Oxidation. <i>Angewandte Chemie</i> , 2019 , 131, 16976-16981	3.6	15
235	A novel information storage and visual expression device based on mechanoluminescence. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 4020-4025	7.1	25
234	Fiber Electronics: An Emerging Field. <i>Batteries and Supercaps</i> , 2019 , 2, 968-969	5.6	
233	In Situ Intercalation of Bismuth into 3D Reduced Graphene Oxide Scaffolds for High Capacity and Long Cycle-Life Energy Storage. <i>Small</i> , 2019 , 15, e1905903	11	6
232	Stabilizing Lithium into Cross-Stacked Nanotube Sheets with an Ultra-High Specific Capacity for Lithium Oxygen Batteries. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 2437-2442	16.4	81
231	Stabilizing Lithium into Cross-Stacked Nanotube Sheets with an Ultra-High Specific Capacity for Lithium Oxygen Batteries. <i>Angewandte Chemie</i> , 2019 , 131, 2459-2464	3.6	16
230	Design of Helically Double-Levelled Gaps for Stretchable Fiber Strain Sensor with Ultralow Detection Limit, Broad Sensing Range, and High Repeatability. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 4345-4352	9.5	61
229	Piezoluminescent devices by designing array structures. <i>Science Bulletin</i> , 2019 , 64, 151-157	10.6	9

228	The Recent Advance in Fiber-Shaped Energy Storage Devices. <i>Advanced Electronic Materials</i> , 2019 , 5, 1800456	6.4	68
227	Three-dimensional helical inorganic thermoelectric generators and photodetectors for stretchable and wearable electronic devices. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 4866-4872	7.1	49
226	Chemical-to-Electricity Carbon: Water Device. <i>Advanced Materials</i> , 2018 , 30, e1707635	24	32
225	Conjugated Polymers for Flexible Energy Harvesting and Storage. <i>Advanced Materials</i> , 2018 , 30, e1704261	11	117
224	Sticky-note supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 3355-3360	13	22
223	A one-dimensional soft and color-programmable light-emitting device. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 1328-1333	7.1	19
222	Generating Electricity from Water through Carbon Nanomaterials. <i>Chemistry - A European Journal</i> , 2018 , 24, 6287-6294	4.8	39
221	All-in-one fiber for stretchable fiber-shaped tandem supercapacitors. <i>Nano Energy</i> , 2018 , 45, 210-219	17.1	126
220	Textile Display for Electronic and Brain-Interfaced Communications. <i>Advanced Materials</i> , 2018 , 30, e1800323	27	99
219	Multicolor, Fluorescent Supercapacitor Fiber. <i>Small</i> , 2018 , 14, e1702052	11	19
218	Aligned Carbon Nanotubes Reduce Hypertrophic Scar via Regulating Cell Behavior. <i>ACS Nano</i> , 2018 , 12, 7601-7612	16.7	22
217	Alignment of Thermally Conducting Nanotubes Making High-Performance Light-Driving Motors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 26765-26771	9.5	18
216	Flexible solar cells based on carbon nanomaterials. <i>Carbon</i> , 2018 , 139, 1063-1073	10.4	67
215	A self-healing and stretchable light-emitting device. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 12774-12780	7.0	24
214	The recent progress of nitrogen-doped carbon nanomaterials for electrochemical batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 12932-12944	13	149
213	Theory-driven design of high-valence metal sites for water oxidation confirmed using in situ soft X-ray absorption. <i>Nature Chemistry</i> , 2018 , 10, 149-154	17.6	328
212	A fiber-shaped solar cell showing a record power conversion efficiency of 10%. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 45-51	13	71
211	Stretchable and Energy-Efficient Heating Carbon Nanotube Fiber by Designing a Hierarchically Helical Structure. <i>Small</i> , 2018 , 14, 1702926	11	41

210	A Li-Air Battery with Ultralong Cycle Life in Ambient Air. <i>Advanced Materials</i> , 2018 , 30, 1704378	24	85
209	A Lithium-Air Battery Stably Working at High Temperature with High Rate Performance. <i>Small</i> , 2018 , 14, 1703454	11	28
208	Gel Polymer Electrolytes for Electrochemical Energy Storage. <i>Advanced Energy Materials</i> , 2018 , 8, 1702184.8	14.8	435
207	Polymer solar cell textiles with interlaced cathode and anode fibers. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 19947-19953	13	36
206	The p-Orbital Delocalization of Main-Group Metals to Boost CO ₂ Electroreduction. <i>Angewandte Chemie</i> , 2018 , 130, 16346-16351	3.6	38
205	The p-Orbital Delocalization of Main-Group Metals to Boost CO Electroreduction. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16114-16119	16.4	91
204	A Real-Time Wearable UV-Radiation Monitor based on a High-Performance p-CuZnS/n-TiO Photodetector. <i>Advanced Materials</i> , 2018 , 30, e1803165	24	194
203	Weaving Sensing Fibers into Electrochemical Fabric for Real-Time Health Monitoring. <i>Advanced Functional Materials</i> , 2018 , 28, 1804456	15.6	136
202	Role of Organic Components in Electrocatalysis for Renewable Energy Storage. <i>Chemistry - A European Journal</i> , 2018 , 24, 18271-18292	4.8	7
201	Programmable actuating systems based on swimming fiber robots. <i>Carbon</i> , 2018 , 139, 241-247	10.4	6
200	Engineering Carbon Nanotube Fiber for Real-Time Quantification of Ascorbic Acid Levels in a Live Rat Model of Alzheimer's Disease. <i>Analytical Chemistry</i> , 2017 , 89, 1831-1837	7.8	49
199	A coaxial triboelectric nanogenerator fiber for energy harvesting and sensing under deformation. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 6032-6037	13	69
198	Energy harvesting and storage in 1D devices. <i>Nature Reviews Materials</i> , 2017 , 2,	73.3	315
197	An intercalated graphene/(molybdenum disulfide) hybrid fiber for capacitive energy storage. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 925-930	13	70
196	Antipulverization Electrode Based on Low-Carbon Triple-Shelled Superstructures for Lithium-Ion Batteries. <i>Advanced Materials</i> , 2017 , 29, 1701494	24	82
195	An Electrochemical Biosensor with Dual Signal Outputs: Toward Simultaneous Quantification of pH and O in the Brain upon Ischemia and in a Tumor during Cancer Starvation Therapy. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10471-10475	16.4	60
194	Biocompatible carbon nanotube fibers for implantable supercapacitors. <i>Carbon</i> , 2017 , 122, 162-167	10.4	66
193	Preparation of biomimetic hierarchically helical fiber actuators from carbon nanotubes. <i>Nature Protocols</i> , 2017 , 12, 1349-1358	18.8	37

192	A smart, stretchable resistive heater textile. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 41-46	7.1	78
191	A stretchable and sensitive light-emitting fabric. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 4139-4144	7.1	28
190	Superaligned Carbon Nanotubes Guide Oriented Cell Growth and Promote Electrophysiological Homogeneity for Synthetic Cardiac Tissues. <i>Advanced Materials</i> , 2017 , 29, 1702713	24	53
189	Ultras-small MnO Nanoparticles Supported on Nitrogen-Doped Carbon Nanotubes as Efficient Anode Materials for Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 38401-38408	9.5	51
188	Tailorable coaxial carbon nanocables with high storage capabilities. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 22125-22130	13	3
187	A One-Dimensional Fluidic Nanogenerator with a High Power Conversion Efficiency. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12940-12945	16.4	74
186	A One-Dimensional Fluidic Nanogenerator with a High Power Conversion Efficiency. <i>Angewandte Chemie</i> , 2017 , 129, 13120-13125	3.6	8
185	Selective Etching of Nitrogen-Doped Carbon by Steam for Enhanced Electrochemical CO ₂ Reduction. <i>Advanced Energy Materials</i> , 2017 , 7, 1701456	21.8	146
184	An Ultraflexible Silicon-Oxygen Battery Fiber with High Energy Density. <i>Angewandte Chemie</i> , 2017 , 129, 13929-13934	3.6	12
183	An Ultraflexible Silicon-Oxygen Battery Fiber with High Energy Density. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13741-13746	16.4	44
182	Carbon nanomaterials for flexible lithium ion batteries. <i>Carbon</i> , 2017 , 124, 79-88	10.4	45
181	The Deformations of Carbon Nanotubes under Cutting. <i>ACS Nano</i> , 2017 , 11, 8464-8470	16.7	14
180	The Functionalization of Miniature Energy-Storage Devices. <i>Small Methods</i> , 2017 , 1, 1700211	12.8	16
179	Multi-functional Flexible Aqueous Sodium-Ion Batteries with High Safety. <i>CheM</i> , 2017 , 3, 348-362	16.2	135
178	Flexible and stretchable mechanoluminescent fiber and fabric. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 8027-8032	7.1	39
177	Tissue Engineering: Superaligned Carbon Nanotubes Guide Oriented Cell Growth and Promote Electrophysiological Homogeneity for Synthetic Cardiac Tissues (Adv. Mater. 44/2017). <i>Advanced Materials</i> , 2017 , 29,	24	1
176	An Electrochemical Biosensor with Dual Signal Outputs: Toward Simultaneous Quantification of pH and O ₂ in the Brain upon Ischemia and in a Tumor during Cancer Starvation Therapy. <i>Angewandte Chemie</i> , 2017 , 129, 10607-10611	3.6	17
175	Programmable Actuation of Porous Poly(Ionic Liquid) Membranes by Aligned Carbon Nanotubes. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1600768	4.6	29

174	Nitrogen-Doped Core-Sheath Carbon Nanotube Array for Highly Stretchable Supercapacitor. <i>Advanced Energy Materials</i> , 2017 , 7, 1601814	21.8	132
173	Large-Area Supercapacitor Textiles with Novel Hierarchical Conducting Structures. <i>Advanced Materials</i> , 2016 , 28, 8431-8438	24	137
172	A hybrid carbon aerogel with both aligned and interconnected pores as interlayer for high-performance lithium-sulfur batteries. <i>Nano Research</i> , 2016 , 9, 3735-3746	10	127
171	Smart color-changing textile with high contrast based on a single-sided conductive fabric. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 7589-7594	7.1	47
170	Advances in Wearable Fiber-Shaped Lithium-Ion Batteries. <i>Advanced Materials</i> , 2016 , 28, 4524-31	24	173
169	High-Performance Lithium-Air Battery with a Coaxial-Fiber Architecture. <i>Angewandte Chemie</i> , 2016 , 128, 4563-4567	3.6	22
168	A Cable-Shaped Lithium Sulfur Battery. <i>Advanced Materials</i> , 2016 , 28, 491-6	24	148
167	Synthesizing Nitrogen-Doped Core-Sheath Carbon Nanotube Films for Flexible Lithium Ion Batteries. <i>Advanced Energy Materials</i> , 2016 , 6, 1600271	21.8	72
166	Stretchable supercapacitor based on a cellular structure. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10124-10129	4.3	11
165	An all-solid-state fiber-type solar cell achieving 9.49% efficiency. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10105-10109	13	61
164	Smarte elektronische Textilien. <i>Angewandte Chemie</i> , 2016 , 128, 6248-6277	3.6	10
163	An All-Solid-State Fiber-Shaped Aluminum-Air Battery with Flexibility, Stretchability, and High Electrochemical Performance. <i>Angewandte Chemie</i> , 2016 , 128, 8111-8114	3.6	49
162	An All-Solid-State Fiber-Shaped Aluminum-Air Battery with Flexibility, Stretchability, and High Electrochemical Performance. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 7979-82	16.4	167
161	Elastic and wearable ring-type supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 3217-3222	13	30
160	A triboelectric textile templated by a three-dimensionally penetrated fabric. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 6077-6083	13	48
159	The continuous fabrication of mechanochromic fibers. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 2127-2133	13	36
158	Dual-function optoelectronic polymer device for photoelectric conversion and electroluminescence. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 1144-1148	7.1	3
157	Tunable Photothermal Actuators Based on a Pre-programmed Aligned Nanostructure. <i>Journal of the American Chemical Society</i> , 2016 , 138, 225-30	16.4	187

156	Electrochemical Capacitors with High Output Voltages that Mimic Electric Eels. <i>Advanced Materials</i> , 2016 , 28, 2070-6	24	98
155	A Novel Slicing Method for Thin Supercapacitors. <i>Advanced Materials</i> , 2016 , 28, 6429-35	24	26
154	Fiber-Shaped Perovskite Solar Cells with High Power Conversion Efficiency. <i>Small</i> , 2016 , 12, 2419-24	11	87
153	A Fiber Supercapacitor with High Energy Density Based on Hollow Graphene/Conducting Polymer Fiber Electrode. <i>Advanced Materials</i> , 2016 , 28, 3646-52	24	538
152	Integration: An Effective Strategy to Develop Multifunctional Energy Storage Devices. <i>Advanced Energy Materials</i> , 2016 , 6, 1501867	21.8	115
151	Smart Electronic Textiles. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 6140-69	16.4	371
150	High-Performance Lithium-Air Battery with a Coaxial-Fiber Architecture. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 4487-91	16.4	153
149	A fiber-shaped aqueous lithium ion battery with high power density. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9002-9008	13	105
148	Flexible and stretchable chromatic fibers with high sensing reversibility. <i>Chemical Science</i> , 2016 , 7, 5113-5117	5.17	35
147	Integrating photovoltaic conversion and lithium ion storage into a flexible fiber. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 7601-7605	13	35
146	Design of a Hierarchical Ternary Hybrid for a Fiber-Shaped Asymmetric Supercapacitor with High Volumetric Energy Density. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 9685-9691	3.8	109
145	A three-dimensionally stretchable high performance supercapacitor. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 14968-14973	13	38
144	A Self-Healing Aqueous Lithium-Ion Battery. <i>Angewandte Chemie</i> , 2016 , 128, 14596-14600	3.6	25
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137	Failure mechanism in fiber-shaped electrodes for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 10942-10948	13	25
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133	A colour-tunable, weavable fibre-shaped polymer light-emitting electrochemical cell. <i>Nature Photonics</i> , 2015 , 9, 233-238	33.9	271
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131	Synthesis and photovoltaic application of platinum-modified conducting aligned nanotube fiber. <i>Science China Materials</i> , 2015 , 58, 289-293	7.1	16
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126	Elastic perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 21070-21076	13	56
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124	Hierarchically arranged helical fibre actuators driven by solvents and vapours. <i>Nature Nanotechnology</i> , 2015 , 10, 1077-83	28.7	237
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121	Biologically inspired, sophisticated motions from helically assembled, conducting fibers. <i>Advanced Materials</i> , 2015 , 27, 1042-7	24	31

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115	Flexible, Stretchable, and Rechargeable Fiber-Shaped Zinc-Air Battery Based on Cross-Stacked Carbon Nanotube Sheets. <i>Angewandte Chemie</i> , 2015 , 127, 15610-15614	3.6	55
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111	A Mechanically Actuating Carbon-Nanotube Fiber in Response to Water and Moisture. <i>Angewandte Chemie</i> , 2015 , 127, 15093-15097	3.6	25
110	Fabricating Continuous Supercapacitor Fibers with High Performances by Integrating All Building Materials and Steps into One Process. <i>Advanced Materials</i> , 2015 , 27, 7854-60	24	152
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