

# Huisheng Peng

## List of Publications by Year in descending order

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304  
papers

31,463  
citations

2423

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345  
docs citations

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times ranked

24283  
citing authors

#	ARTICLE	IF	CITATIONS
1	Twisting Carbon Nanotube Fibers for Both Wire-Shaped Micro-Supercapacitor and Micro-Battery. <i>Advanced Materials</i> , 2013, 25, 1155-1159.	11.1	712
2	Recent Advancement of Nanostructured Carbon for Energy Applications. <i>Chemical Reviews</i> , 2015, 115, 5159-5223.	23.0	703
3	Gel Polymer Electrolytes for Electrochemical Energy Storage. <i>Advanced Energy Materials</i> , 2018, 8, 1702184.	10.2	674
4	A Fiber Supercapacitor with High Energy Density Based on Hollow Graphene/Conducting Polymer Fiber Electrode. <i>Advanced Materials</i> , 2016, 28, 3646-3652.	11.1	654
5	Large-area display textiles integrated with functional systems. <i>Nature</i> , 2021, 591, 240-245.	13.7	550
6	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.	6.6	476
7	Smart Electronic Textiles. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6140-6169.	7.2	460
8	A Highly Stretchable, Fiber-Shaped Supercapacitor. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13453-13457.	7.2	458
9	Flexible and Weaveable Capacitor Wire Based on a Carbon Nanocomposite Fiber. <i>Advanced Materials</i> , 2013, 25, 5965-5970.	11.1	441
10	Energy harvesting and storage in 1D devices. <i>Nature Reviews Materials</i> , 2017, 2, .	23.3	421
11	An Integrated "Energy Wire" for both Photoelectric Conversion and Energy Storage. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11977-11980.	7.2	409
12	Developing Polymer Composite Materials: Carbon Nanotubes or Graphene?. <i>Advanced Materials</i> , 2013, 25, 5153-5176.	11.1	398
13	High-valence metals improve oxygen evolution reaction performance by modulating 3d metal oxidation cycle energetics. <i>Nature Catalysis</i> , 2020, 3, 985-992.	16.1	390
14	A colour-tunable, weavable fibre-shaped polymer light-emitting electrochemical cell. <i>Nature Photonics</i> , 2015, 9, 233-238.	15.6	372
15	Novel Electric Double-Layer Capacitor with a Coaxial Fiber Structure. <i>Advanced Materials</i> , 2013, 25, 6436-6441.	11.1	346
16	Integrated Polymer Solar Cell and Electrochemical Supercapacitor in a Flexible and Stable Fiber Format. <i>Advanced Materials</i> , 2014, 26, 466-470.	11.1	337
17	Flexible and Stretchable Lithium-Ion Batteries and Supercapacitors Based on Electrically Conducting Carbon Nanotube Fiber Springs. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14564-14568.	7.2	334
18	Electrochromatic carbon nanotube/polydiacetylene nanocomposite fibres. <i>Nature Nanotechnology</i> , 2009, 4, 738-741.	15.6	321

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19	Hierarchically arranged helical fibre actuators driven by solvents and vapours. <i>Nature Nanotechnology</i> , 2015, 10, 1077-1083.	15.6	310
20	Electrochromic Fiberâ€‘Shaped Supercapacitors. <i>Advanced Materials</i> , 2014, 26, 8126-8132.	11.1	306
21	Elastic and Wearable Wireâ€‘Shaped Lithiumâ€‘Ion Battery with High Electrochemical Performance. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7864-7869.	7.2	306
22	Novel Graphene/Carbon Nanotube Composite Fibers for Efficient Wireâ€‘Shaped Miniature Energy Devices. <i>Advanced Materials</i> , 2014, 26, 2868-2873.	11.1	305
23	A Revolution in Electrodes: Recent Progress in Rechargeable Lithiumâ€‘Sulfur Batteries. <i>Small</i> , 2015, 11, 1488-1511.	5.2	305
24	A Realâ€‘Time Wearable UVâ€‘Radiation Monitor based on a Highâ€‘Performance pâ€‘CuZnS/nâ€‘TiO <sub>2</sub> Photodetector. <i>Advanced Materials</i> , 2018, 30, e1803165.	11.1	300
25	Twisted Aligned Carbon Nanotube/Silicon Composite Fiber Anode for Flexible Wireâ€‘Shaped Lithiumâ€‘Ion Battery. <i>Advanced Materials</i> , 2014, 26, 1217-1222.	11.1	297
26	Flexible, Stretchable, and Rechargeable Fiberâ€‘Shaped Zincâ€‘Air Battery Based on Crossâ€‘Stacked Carbon Nanotube Sheets. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15390-15394.	7.2	291
27	Application Challenges in Fiber and Textile Electronics. <i>Advanced Materials</i> , 2020, 32, e1901971.	11.1	273
28	Scalable production of high-performing woven lithium-ion fibre batteries. <i>Nature</i> , 2021, 597, 57-63.	18.7	270
29	Integrating Perovskite Solar Cells into a Flexible Fiber. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10425-10428.	7.2	268
30	Intertwined Aligned Carbon Nanotube Fiber Based Dye-Sensitized Solar Cells. <i>Nano Letters</i> , 2012, 12, 2568-2572.	4.5	258
31	A Deepâ€‘Cycle Aqueous Zincâ€‘Ion Battery Containing an Oxygenâ€‘Deficient Vanadium Oxide Cathode. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2273-2278.	7.2	257
32	Advanced Sodium Ion Battery Anode Constructed <i>via</i> Chemical Bonding between Phosphorus, Carbon Nanotube, and Cross-Linked Polymer Binder. <i>ACS Nano</i> , 2015, 9, 11933-11941.	7.3	255
33	High-performance transparent and stretchable all-solid supercapacitors based on highly aligned carbon nanotube sheets. <i>Scientific Reports</i> , 2014, 4, 3612.	1.6	252
34	Tunable Photothermal Actuators Based on a Pre-programmed Aligned Nanostructure. <i>Journal of the American Chemical Society</i> , 2016, 138, 225-230.	6.6	234
35	Superelastic Supercapacitors with High Performances during Stretching. <i>Advanced Materials</i> , 2015, 27, 356-362.	11.1	230
36	Stretchable, Wearable Dyeâ€‘Sensitized Solar Cells. <i>Advanced Materials</i> , 2014, 26, 2643-2647.	11.1	227

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37	Winding Aligned Carbon Nanotube Composite Yarns into Coaxial Fiber Full Batteries with High Performances. <i>Nano Letters</i> , 2014, 14, 3432-3438.	4.5	224
38	Regulating the Local Charge Distribution of Ni Active Sites for the Urea Oxidation Reaction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10577-10582.	7.2	221
39	Flexible, weavable and efficient microsupercapacitor wires based on polyaniline composite fibers incorporated with aligned carbon nanotubes. <i>Journal of Materials Chemistry A</i> , 2013, 1, 258-261.	5.2	220
40	Aligned Carbon Nanotube/Polymer Composite Films with Robust Flexibility, High Transparency, and Excellent Conductivity. <i>Journal of the American Chemical Society</i> , 2008, 130, 42-43.	6.6	218
41	The recent progress of nitrogen-doped carbon nanomaterials for electrochemical batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12932-12944.	5.2	218
42	Smart, Stretchable Supercapacitors. <i>Advanced Materials</i> , 2014, 26, 4444-4449.	11.1	216
43	Weaving Sensing Fibers into Electrochemical Fabric for Real-time Health Monitoring. <i>Advanced Functional Materials</i> , 2018, 28, 1804456.	7.8	216
44	An All-solid-state Fiber-shaped Aluminum Air Battery with Flexibility, Stretchability, and High Electrochemical Performance. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7979-7982.	7.2	211
45	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.	11.6	208
46	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.	6.6	204
47	Selective Etching of Nitrogen-Doped Carbon by Steam for Enhanced Electrochemical CO <sub>2</sub> Reduction. <i>Advanced Energy Materials</i> , 2017, 7, 1701456.	10.2	203
48	Advances in Wearable Fiber-shaped Lithium-Ion Batteries. <i>Advanced Materials</i> , 2016, 28, 4524-4531.	11.1	201
49	A Lattice-Oxygen-Involved Reaction Pathway to Boost Urea Oxidation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16820-16825.	7.2	201
50	Multi-functional Flexible Aqueous Sodium-Ion Batteries with High Safety. <i>CheM</i> , 2017, 3, 348-362.	5.8	194
51	A Self-Healing Aqueous Lithium-Ion Battery. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14384-14388.	7.2	191
52	Self-Healable Electrically Conducting Wires for Wearable Microelectronics. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9526-9531.	7.2	190
53	High-Performance Lithium Air Battery with a Coaxial-Fiber Architecture. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4487-4491.	7.2	189
54	A Gum-Like Lithium-Ion Battery Based on a Novel Arched Structure. <i>Advanced Materials</i> , 2015, 27, 1363-1369.	11.1	185

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55	A Cable-shaped Lithium Sulfur Battery. <i>Advanced Materials</i> , 2016, 28, 491-496.	11.1	180
56	Fabricating Continuous Supercapacitor Fibers with High Performances by Integrating All Building Materials and Steps into One Process. <i>Advanced Materials</i> , 2015, 27, 7854-7860.	11.1	176
57	A safe and non-flammable sodium metal battery based on an ionic liquid electrolyte. <i>Nature Communications</i> , 2019, 10, 3302.	5.8	173
58	Novel solar cells in a wire format. <i>Chemical Society Reviews</i> , 2013, 42, 5031.	18.7	170
59	Super-stretchy lithium-ion battery based on carbon nanotube fiber. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11054.	5.2	167
60	Recent progress in solar cells based on one-dimensional nanomaterials. <i>Energy and Environmental Science</i> , 2015, 8, 1139-1159.	15.6	164
61	Conjugated Polymers for Flexible Energy Harvesting and Storage. <i>Advanced Materials</i> , 2018, 30, e1704261.	11.1	161
62	All-in-one fiber for stretchable fiber-shaped tandem supercapacitors. <i>Nano Energy</i> , 2018, 45, 210-219.	8.2	161
63	The p-Orbital Delocalization of Main-Group Metals to Boost CO <sub>2</sub> Electroreduction. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16114-16119.	7.2	159
64	Large-Area Supercapacitor Textiles with Novel Hierarchical Conducting Structures. <i>Advanced Materials</i> , 2016, 28, 8431-8438.	11.1	158
65	Photovoltaic Wire Derived from a Graphene Composite Fiber Achieving an 8.45% Energy Conversion Efficiency. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7545-7548.	7.2	155
66	Nitrogen-Doped Core-Shell Carbon Nanotube Array for Highly Stretchable Supercapacitor. <i>Advanced Energy Materials</i> , 2017, 7, 1601814.	10.2	155
67	An integrated device for both photoelectric conversion and energy storage based on free-standing and aligned carbon nanotube film. <i>Journal of Materials Chemistry A</i> , 2013, 1, 954-958.	5.2	148
68	Textile Display for Electronic and Brain-Interfaced Communications. <i>Advanced Materials</i> , 2018, 30, e1800323.	11.1	145
69	A Shape-Memory Supercapacitor Fiber. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15419-15423.	7.2	141
70	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.	1.5	140
71	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.	5.8	140
72	Radially oriented mesoporous TiO <sub>2</sub> microspheres with single-crystal-like anatase walls for high-efficiency optoelectronic devices. <i>Science Advances</i> , 2015, 1, e1500166.	4.7	139

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73	Integration: An Effective Strategy to Develop Multifunctional Energy Storage Devices. <i>Advanced Energy Materials</i> , 2016, 6, 1501867.	10.2	138
74	Novel Wearable Energy Devices Based on Aligned Carbon Nanotube Fiber Textiles. <i>Advanced Energy Materials</i> , 2015, 5, 1401438.	10.2	134
75	A fiber-shaped aqueous lithium ion battery with high power density. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9002-9008.	5.2	132
76	A novel "energy fiber" by coaxially integrating dye-sensitized solar cell and electrochemical capacitor. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1897-1902.	5.2	130
77	Efficient Dye-Sensitized Photovoltaic Wires Based on an Organic Redox Electrolyte. <i>Journal of the American Chemical Society</i> , 2013, 135, 10622-10625.	6.6	129
78	Photoinduced Deformation of Crosslinked Liquid-Crystalline Polymer Film Oriented by a Highly Aligned Carbon Nanotube Sheet. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4644-4647.	7.2	122
79	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.	15.6	121
80	Electrochemical Capacitors with High Output Voltages that Mimic Electric Eels. <i>Advanced Materials</i> , 2016, 28, 2070-2076.	11.1	119
81	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.	7.2	119
82	Designing Aligned Inorganic Nanotubes at the Electrode Interface: Towards Highly Efficient Photovoltaic Wires. <i>Advanced Materials</i> , 2012, 24, 4623-4628.	11.1	117
83	Advanced functional polymer materials. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1803-1915.	3.2	117
84	Engineering Polymer Glue towards 90% Zinc Utilization for 1000 Hours to Make High-Performance Zn-Ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2107652.	7.8	115
85	A Li-Air Battery with Ultralong Cycle Life in Ambient Air. <i>Advanced Materials</i> , 2018, 30, 1704378.	11.1	113
86	A One-Dimensional Fluidic Nanogenerator with a High Power Conversion Efficiency. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12940-12945.	7.2	112
87	Fiber-Shaped Perovskite Solar Cells with High Power Conversion Efficiency. <i>Small</i> , 2016, 12, 2419-2424.	5.2	111
88	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.	7.2	111
89	Industrial scale production of fibre batteries by a solution-extrusion method. <i>Nature Nanotechnology</i> , 2022, 17, 372-377.	15.6	110
90	Unusual Reversible Photomechanical Actuation in Polymer/Nanotube Composites. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8520-8524.	7.2	105

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91	Mechanochromic Photonicâ€Crystal Fibers Based on Continuous Sheets of Aligned Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3630-3634.	7.2	105
92	Biocompatible carbon nanotube fibers for implantable supercapacitors. <i>Carbon</i> , 2017, 122, 162-167.	5.4	105
93	Selfâ€Powered Energy Fiber: Energy Conversion in the Sheath and Storage in the Core. <i>Advanced Materials</i> , 2014, 26, 7038-7042.	11.1	104
94	Aligned carbon nanotube/molybdenum disulfide hybrids for effective fibrous supercapacitors and lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17553-17557.	5.2	103
95	The Recent Advance in Fiberâ€Shaped Energy Storage Devices. <i>Advanced Electronic Materials</i> , 2019, 5, 1800456.	2.6	103
96	Flexible solar cells based on carbon nanomaterials. <i>Carbon</i> , 2018, 139, 1063-1073.	5.4	102
97	Weaving Efficient Polymer Solar Cell Wires into Flexible Power Textiles. <i>Advanced Energy Materials</i> , 2014, 4, 1301750.	10.2	100
98	The 2021 flexible and printed electronics roadmap. <i>Flexible and Printed Electronics</i> , 2021, 6, 023001.	1.5	100
99	A coaxial triboelectric nanogenerator fiber for energy harvesting and sensing under deformation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6032-6037.	5.2	98
100	Realizing both High Energy and High Power Densities by Twisting Three Carbonâ€Nanotubeâ€Based Hybrid Fibers. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11177-11182.	7.2	97
101	A smart, stretchable resistive heater textile. <i>Journal of Materials Chemistry C</i> , 2017, 5, 41-46.	2.7	94
102	A Mechanically Actuating Carbonâ€Nanotube Fiber in Response to Water and Moisture. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14880-14884.	7.2	93
103	Synthesizing Nitrogenâ€Doped Coreâ€Sheath Carbon Nanotube Films for Flexible Lithium Ion Batteries. <i>Advanced Energy Materials</i> , 2016, 6, 1600271.	10.2	93
104	A fiber-shaped solar cell showing a record power conversion efficiency of 10%. <i>Journal of Materials Chemistry A</i> , 2018, 6, 45-51.	5.2	93
105	Antipulverization Electrode Based on Lowâ€Carbon Tripleâ€Shelled Superstructures for Lithiumâ€Ion Batteries. <i>Advanced Materials</i> , 2017, 29, 1701494.	11.1	92
106	Aligned carbon nanotube/polymer composite fibers with improved mechanical strength and electrical conductivity. <i>Journal of Materials Chemistry</i> , 2012, 22, 903-908.	6.7	91
107	Rational Design of a Flexible CNTs@PDMS Film Patterned by Bioâ€Inspired Templates as a Strain Sensor and Supercapacitor. <i>Small</i> , 2019, 15, e1805493.	5.2	91
108	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 &amp; Interfaces</i> , 2019, 11, 4345-4352.	4.0	91

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109	A Novel One-Step Approach to Core-Stabilized Nanoparticles at High Solid Contents. <i>Macromolecules</i> , 2003, 36, 2576-2578.	2.2	87
110	An Aligned and Laminated Nanostructured Carbon Hybrid Cathode for High-Performance Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10539-10544.	7.2	86
111	The Rise of Fiber Electronics. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13643-13653.	7.2	86
112	Superaligned Carbon Nanotubes Guide Oriented Cell Growth and Promote Electrophysiological Homogeneity for Synthetic Cardiac Tissues. <i>Advanced Materials</i> , 2017, 29, 1702713.	11.1	85
113	Biomedical polymers: synthesis, properties, and applications. <i>Science China Chemistry</i> , 2022, 65, 1010-1075.	4.2	85
114	Vertically Aligned Pearl-like Carbon Nanotube Arrays for Fiber Spinning. <i>Journal of the American Chemical Society</i> , 2008, 130, 1130-1131.	6.6	84
115	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 - International Edition</i> , 2017, 56, 10471-10475.	7.2	84
116	A Twisted Wire-Shaped Dual-Function Energy Device for Photoelectric Conversion and Electrochemical Storage. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6664-6668.	7.2	82
117	Stretchable lithium-air batteries for wearable electronics. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13419-13424.	5.2	82
118	Recent advances in flexible fiber-shaped metal-air batteries. <i>Energy Storage Materials</i> , 2020, 28, 364-374.	9.5	79
119	An intercalated graphene/(molybdenum disulfide) hybrid fiber for capacitive energy storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 925-930.	5.2	78
120	Electromechanical Actuator Ribbons Driven by Electrically Conducting Spring-Like Fibers. <i>Advanced Materials</i> , 2015, 27, 4982-4988.	11.1	77
121	Radically grown obelisk-like ZnO arrays for perovskite solar cell fibers and fabrics through a mild solution process. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9406-9410.	5.2	77
122	An all-solid-state fiber-type solar cell achieving 9.49% efficiency. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10105-10109.	5.2	77
123	Core-Shell Carbon Nanostructured Fibers for Efficient Wire-Shaped Dye-Sensitized Solar Cells. <i>Advanced Materials</i> , 2014, 26, 1694-1698.	11.1	76
124	Stretchable Polymer Solar Cell Fibers. <i>Small</i> , 2015, 11, 675-680.	5.2	75
125	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.	7.8	75
126	Elastic perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21070-21076.	5.2	74



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127	Mesoporous TiO <sub>2</sub> Mesocrystals: Remarkable Defects-Induced Crystallite-Interface Reactivity and Their in Situ Conversion to Single Crystals. ACS Central Science, 2015, 1, 400-408.	5.3	74
128	Multifunctional Fibers to Shape Future Biomedical Devices. Advanced Functional Materials, 2019, 29, 1902834.	7.8	74
129	Quasi-solid-state, coaxial, fiber-shaped dye-sensitized solar cells. Journal of Materials Chemistry A, 2014, 2, 345-349.	5.2	73
130	Composite Carbon Nanotube/Silica Fibers with Improved Mechanical Strengths and Electrical Conductivities. Small, 2008, 4, 1964-1967.	5.2	72
131	A triboelectric textile templated by a three-dimensionally penetrated fabric. Journal of Materials Chemistry A, 2016, 4, 6077-6083.	5.2	71
132	Engineering Carbon Nanotube Fiber for Real-Time Quantification of Ascorbic Acid Levels in a Live Rat Model of Alzheimer's Disease. Analytical Chemistry, 2017, 89, 1831-1837.	3.2	71
133	A Deep-Cycle Aqueous Zinc-Ion Battery Containing an Oxygen-Deficient Vanadium Oxide Cathode. Angewandte Chemie, 2020, 132, 2293-2298.	1.6	71
134	Boosting Neutral Water Oxidation through Surface Oxygen Modulation. Advanced Materials, 2020, 32, e2002297.	11.1	71
135	Flexible and stable lithium ion batteries based on three-dimensional aligned carbon nanotube/silicon hybrid electrodes. Journal of Materials Chemistry A, 2014, 2, 9306.	5.2	70
136	An All-Solid-State Fiber-Shaped Aluminum-Air Battery with Flexibility, Stretchability, and High Electrochemical Performance. Angewandte Chemie, 2016, 128, 8111-8114.	1.6	70
137	Flexible electroluminescent fiber fabricated from coaxially wound carbon nanotube sheets. Journal of Materials Chemistry C, 2015, 3, 5621-5624.	2.7	69
138	Flexible and stretchable mechanoluminescent fiber and fabric. Journal of Materials Chemistry C, 2017, 5, 8027-8032.	2.7	69
139	Smart color-changing textile with high contrast based on a single-sided conductive fabric. Journal of Materials Chemistry C, 2016, 4, 7589-7594.	2.7	66
140	A Tissue-Like Soft All-Hydrogel Battery. Advanced Materials, 2022, 34, e2105120.	11.1	65
141	Carbon nanomaterials for flexible lithium ion batteries. Carbon, 2017, 124, 79-88.	5.4	64
142	Self-Assembly of Formic Acid/Polystyrene-block-poly(4-vinylpyridine) Complexes into Vesicles in a Low-Polar Organic Solvent Chloroform. Langmuir, 2003, 19, 10989-10992.	1.6	63
143	Three-dimensional helical inorganic thermoelectric generators and photodetectors for stretchable and wearable electronic devices. Journal of Materials Chemistry C, 2018, 6, 4866-4872.	2.7	63
144	Polymer solar cell textiles with interlaced cathode and anode fibers. Journal of Materials Chemistry A, 2018, 6, 19947-19953.	5.2	62

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145	Hydration Effect Promoting Ni-Fe Oxyhydroxide Catalysts for Neutral Water Oxidation. <i>Advanced Materials</i> , 2020, 32, e1906806.	11.1	62
146	Polymer photovoltaic wires based on aligned carbon nanotube fibers. <i>Journal of Materials Chemistry</i> , 2012, 22, 23655.	6.7	61
147	Oriented PEDOT:PSS on aligned carbon nanotubes for efficient dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 13268.	5.2	61
148	Ultrasmall MnO Nanoparticles Supported on Nitrogen-Doped Carbon Nanotubes as Efficient Anode Materials for Sodium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 38401-38408.	4.0	61
149	Li <sup>+</sup> CO <sub>2</sub> Batteries Efficiently Working at Ultra-Low Temperatures. <i>Advanced Functional Materials</i> , 2020, 30, 2001619.	7.8	61
150	Regulating the Local Charge Distribution of Ni Active Sites for the Urea Oxidation Reaction. <i>Angewandte Chemie</i> , 2021, 133, 10671-10676.	1.6	61
151	An Ultraflexible Silicon Oxygen Battery Fiber with High Energy Density. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13741-13746.	7.2	59
152	High-Energy-Density Magnesium Air Battery Based on Dual-Layer Gel Electrolyte. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15317-15322.	7.2	59
153	A Lightweight Polymer Solar Cell Textile that Functions when Illuminated from Either Side. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11571-11574.	7.2	58
154	A highly efficient alkaline HER Co-Mo bimetallic carbide catalyst with an optimized Mo d-orbital electronic state. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12434-12439.	5.2	58
155	Stretchable and Energy-Efficient Heating Carbon Nanotube Fiber by Designing a Hierarchically Helical Structure. <i>Small</i> , 2018, 14, 1702926.	5.2	57
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