Huisheng Peng

List of Publications by Year
in descending order

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		2423	5227
304	31,463	97	165
papers	citations	h-index	g-index

345	345	345	24283
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Alternating current electroluminescent fibers for textile displays. National Science Review, 2023, 10, .	4.6	5
2	Making Passive Daytime Radiative Cooling Metafabrics on a Large Scale. Advanced Fiber Materials, 2022, 4, 3-4.	7.9	11
3	Injectable Fiber Electronics for Tumor Treatment. Advanced Fiber Materials, 2022, 4, 246-255.	7.9	21
4	A Tissueâ€Like Soft Allâ€Hydrogel Battery. Advanced Materials, 2022, 34, e2105120.	11.1	65
5	Improved kinetics of OER on Ru-Pb binary electrocatalyst by decoupling proton-electron transfer. Chinese Journal of Catalysis, 2022, 43, 130-138.	6.9	28
6	Highâ€Efficiency and Stable Liâ^'CO₂ Battery Enabled by Carbon Nanotube/Carbon Nitride Heterostructured Photocathode. Angewandte Chemie - International Edition, 2022, 61, .	7.2	51
7	Carbon Nanotubes for Flexible Fiber Batteries. Carbon Materials, 2022, , 1-22.	0.2	1
8	Industrial scale production of fibre batteries by a solution-extrusion method. Nature Nanotechnology, 2022, 17, 372-377.	15.6	110
9	Enhanced cathode integrity for zincâ€“manganese oxide fiber batteries by a durable protective layer. Journal of Materials Chemistry A, 2022, 10, 10201-10208.	5.2	7
10	Boosting Cycling Stability and Rate Capability of Liâ€“CO₂Batteries via Synergistic Photoelectric Effect and Plasmonic Interaction. Angewandte Chemie - International Edition, 2022, 61, .	7.2	32
11	An Antiâ€Biofouling Flexible Fiber Biofuel Cell Working in the Brain. Small Methods, 2022, 6, e2200142.	4.6	11
12	Boosting Cycling Stability and Rate Capability of Liâ€“CO ₂ Batteries via Synergistic Photoelectric Effect and Plasmonic Interaction. Angewandte Chemie, 2022, 134, .	1.6	4
13	Frontispiece: Regulating Interfacial Lithium Ion by Artificial Protective Overlayers for Highâ€Performance Lithium Metal Anodes. Chemistry - A European Journal, 2022, 28, .	1.7	0
14	An implantable flexible fiber generator without encapsulation made from differentially oxidized carbon nanotube fibers. Chemical Engineering Journal, 2022, 441, 136106.	6.6	4
15	Robust Memristive Fiber for Woven Textile Memristor. Advanced Functional Materials, 2022, 32, .	7.8	23
16	Biomedical polymers: synthesis, properties, and applications. Science China Chemistry, 2022, 65, 1010-1075.	4.2	85
17	Rechargeable Microâ€Batteries for Wearable and Implantable Applications. Small Structures, 2022, 3, .	6.9	16
18	Carbon Nanotube Arrayâ€Based Flexible Multifunctional Electrodes to Record Electrophysiology and Ions on the Cerebral Cortex in Real Time. Advanced Functional Materials, 2022, 32, .	7.8	14

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19	Controllable CO adsorption determines ethylene and methane productions from CO2 electroreduction. Science Bulletin, 2021, 66, 62-68.	4.3	45
20	Hydrogel Cryoâ€Microtomy Continuously Making Soft Electronic Devices. Advanced Functional Materials, 2021, 31, 2008355.	7.8	19
21	Injectable fiber batteries for all-region power supply in vivo. Journal of Materials Chemistry A, 2021, 9, 1463-1470.	5.2	31
22	Implantable Fiber Biosensors Based on Carbon Nanotubes. Accounts of Materials Research, 2021, 2, 138-146.	5.9	31
23	Long-term In Vivo Monitoring of Chemicals with Fiber Sensors. Advanced Fiber Materials, 2021, 3, 47-58.	7.9	36
24	A biodegradable and rechargeable fiber battery. Journal of Materials Chemistry A, 2021, 9, 10104-10109.	5.2	23
25	Stretchable Energy Storage Devices Based on Carbon Materials. Small, 2021, 17, e2005015.	5.2	34
26	Large-area display textiles integrated with functional systems. Nature, 2021, 591, 240-245.	13.7	550
27	Regulating the Local Charge Distribution of Ni Active Sites for the Urea Oxidation Reaction. Angewandte Chemie, 2021, 133, 10671-10676.	1.6	61
28	Regulating the Local Charge Distribution of Ni Active Sites for the Urea Oxidation Reaction. Angewandte Chemie - International Edition, 2021, 60, 10577-10582.	7.2	221
29	Stabilizing Highly Active Ru Sites by Suppressing Lattice Oxygen Participation in Acidic Water Oxidation. Journal of the American Chemical Society, 2021, 143, 6482-6490.	6.6	204
30	Making large-scale, functional, electronic textiles. Nature, 2021, , .	13.7	2
31	The 2021 flexible and printed electronics roadmap. Flexible and Printed Electronics, 2021, 6, 023001.	1.5	100
32	Highâ€Energyâ€Density Magnesiumâ€Air Battery Based on Dualâ€Layer Gel Electrolyte. Angewandte Chemie - International Edition, 2021, 60, 15317-15322.	7.2	59
33	Polymerâ€Supported Liquid Layer Electrolyzer Enabled Electrochemical CO₂ Reduction to CO with High Energy Efficiency. ChemistryOpen, 2021, 10, 639-644.	0.9	9
34	Highâ€Energyâ€Density Magnesiumâ€Air Battery Based on Dualâ€Layer Gel Electrolyte. Angewandte Chemie, 2021, 133, 15445-15450.	1.6	8
35	Lithiumâ€Metal Anodes Working at 60â€…mAâ€‰cm^{â^'2} and 60â€…mAhâ€‰cm^{â^'2} through Nanoscale Lithiumâ€Ion Adsorbing. Angewandte Chemie - International Edition, 2021, 60, 17419-17425.	7.2	39
36	Lithiumâ€Metal Anodes Working at 60â€…mAâ€‰cm^{â^'2} and 60â€…mAhâ€‰cm^{â^'2} through Nanoscale Lithiumâ€Ion Adsorbing. Angewandte Chemie, 2021, 133, 17559-17565.	1.6	7

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37	Scalable production of high-performing woven lithium-ion fibre batteries. Nature, 2021, 597, 57-63.	13.7	270
38	Flexible dopamine-sensing fiber based on potentiometric method for long-term detection in vivo. Science China Chemistry, 2021, 64, 1763-1769.	4.2	18
39	Engineering Polymer Glue towards 90% Zinc Utilization for 1000 Hours to Make Highâ€Performance Znâ€Ion Batteries. Advanced Functional Materials, 2021, 31, 2107652.	7.8	115
40	Designing Porous Antifouling Interfaces for Highâ€Power Implantable Biofuel Cell. Advanced Functional Materials, 2021, 31, 2107160.	7.8	14
41	A Fiber Fluidic Nanogenerator Made from Aligned Carbon Nanotubes Composited with Transition Metal Oxide. , 2021, 3, 1448-1452.		13
42	The Rise of Soft Neural Electronics. Giant, 2021, 8, 100075.	2.5	5
43	Energy harvesting textiles: using wearable luminescent solar concentrators to improve the efficiency of fiber solar cells. Journal of Materials Chemistry A, 2021, 9, 25974-25981.	5.2	10
44	A high-capacity aqueous zinc-ion battery fiber with air-recharging capability. Journal of Materials Chemistry A, 2021, 9, 6811-6818.	5.2	51
45	An Electromagnetic Fiber Acoustic Transducer with Dual Modes of Loudspeaker and Microphone. Small, 2021, 17, 2102052.	5.2	2
46	Regulating Interfacial Lithium Ion by Artificial Protective Overlayers for Highâ€Performance Lithium Metal Anodes. Chemistry - A European Journal, 2021, , .	1.7	3
47	Flexible sensors based on assembled carbon nanotubes. Aggregate, 2021, 2, e143.	5.2	18
48	Gradually Crosslinking Carbon Nanotube Array in Mimicking the Beak of Giant Squid for Compressionâ€Sensing Supercapacitor. Advanced Functional Materials, 2020, 30, 1902971.	7.8	18
49	Making Fiberâ€Shaped Ni//Bi Battery Simultaneously with High Energy Density, Power Density, and Safety. Advanced Functional Materials, 2020, 30, 1905971.	7.8	40
50	Application Challenges in Fiber and Textile Electronics. Advanced Materials, 2020, 32, e1901971.	11.1	273
51	Recent advances of tissue-interfaced chemical biosensors. Journal of Materials Chemistry B, 2020, 8, 3371-3381.	2.9	15
52	A fiber-shaped light-emitting pressure sensor for visualized dynamic monitoring. Journal of Materials Chemistry C, 2020, 8, 935-942.	2.7	16
53	A Deepâ€Cycle Aqueous Zincâ€Ion Battery Containing an Oxygenâ€Deficient Vanadium Oxide Cathode. Angewandte Chemie - International Edition, 2020, 59, 2273-2278.	7.2	257
54	Functionalized helical fibre bundles of carbon nanotubes as electrochemical sensors for long-term in vivo monitoring of multiple disease biomarkers. Nature Biomedical Engineering, 2020, 4, 159-171.	11.6	208

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55	A Deepâ€Cycle Aqueous Zincâ€Ion Battery Containing an Oxygenâ€Deficient Vanadium Oxide Cathode. Angewandte Chemie, 2020, 132, 2293-2298.	1.6	71
56	High-valence metals improve oxygen evolution reaction performance by modulating 3d metal oxidation cycle energetics. Nature Catalysis, 2020, 3, 985-992.	16.1	390
57	Emerging Soft Bioelectronics. Advanced Functional Materials, 2020, 30, 2001827.	7.8	8
58	Fiber-shaped organic electrochemical transistors for biochemical detections with high sensitivity and stability. Science China Chemistry, 2020, 63, 1281-1288.	4.2	51
59	N-modulated Cu+ for efficient electrochemical carbon monoxide reduction to acetate. Science China Materials, 2020, 63, 2606-2612.	3.5	24
60	The critical role of electrochemically activated adsorbates in neutral OER. Science China Materials, 2020, 63, 2509-2516.	3.5	16
61	Flexible Colorâ€Tunable Electroluminescent Devices by Designing Dielectricâ€Distinguishing Doubleâ€Stacked Emissive Layers. Advanced Functional Materials, 2020, 30, 2005200.	7.8	32
62	Fiber Electronics. , 2020, , .		4
63	Robust DNAâ€Bridged Memristor for Textile Chips. Angewandte Chemie, 2020, 132, 12862-12868.	1.6	0
64	Liâ€CO₂ Batteries Efficiently Working at Ultraâ€Low Temperatures. Advanced Functional Materials, 2020, 30, 2001619.	7.8	61
65	Graphene Fieldâ€Effect Transistors on Hexagonalâ€Boron Nitride for Enhanced Interfacial Thermal Dissipation. Advanced Electronic Materials, 2020, 6, 2000059.	2.6	8
66	Advanced functional polymer materials. Materials Chemistry Frontiers, 2020, 4, 1803-1915.	3.2	117
67	High-Performance Graphene Fibers Enabled by Hydration. ACS Central Science, 2020, 6, 1040-1042.	5.3	4
68	Boosting Neutral Water Oxidation through Surface Oxygen Modulation. Advanced Materials, 2020, 32, e2002297.	11.1	71
69	A perovskite solar cell textile that works at â^'40 to 160 Â°C. Journal of Materials Chemistry A, 2020, 8, 5476-5483.	5.2	25
70	Hydrationâ€Effectâ€Promoting Niâ€“Fe Oxyhydroxide Catalysts for Neutral Water Oxidation. Advanced Materials, 2020, 32, e1906806.	11.1	62
71	Fiber Electronics. Advanced Materials, 2020, 32, e1904697.	11.1	14
72	Robust DNAâ€Bridged Memristor for Textile Chips. Angewandte Chemie - International Edition, 2020, 59, 12762-12768.	7.2	40

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73	A fiber-shaped neural probe with alterable elastic moduli for direct implantation and stable electronicâ€“brain interfaces. Journal of Materials Chemistry B, 2020, 8, 4387-4394.	2.9	39
74	Recent advances in flexible fiber-shaped metal-air batteries. Energy Storage Materials, 2020, 28, 364-374.	9.5	79
75	Flexible metalâ€“gas batteries: a potential option for next-generation power accessories for wearable electronics. Energy and Environmental Science, 2020, 13, 1933-1970.	15.6	121
76	Fiber Light-Emitting Devices. , 2020, , 253-289.		1
77	Fiber Sensors. , 2020, , 291-326.		0
78	Continuous Fabrication of Fiber Devices. , 2020, , 363-389.		0
79	Smart Textiles. , 2020, , 427-457.		1
80	Fiber Dye-Sensitized Solar Cells. , 2020, , 71-111.		0
81	Fiber Perovskite Solar Cells. , 2020, , 137-159.		0
82	Fiber Supercapacitors. , 2020, , 161-194.		0
83	Multifunctional Fibers to Shape Future Biomedical Devices. Advanced Functional Materials, 2019, 29, 1902834.	7.8	74
84	A safe and non-flammable sodium metal battery based on an ionic liquid electrolyte. Nature Communications, 2019, 10, 3302.	5.8	173
85	A Latticeâ€Oxygenâ€Involved Reaction Pathway to Boost Urea Oxidation. Angewandte Chemie, 2019, 131, 16976-16981.	1.6	38
86	A Sodiophilic Interphaseâ€Mediated, Dendriteâ€Free Anode with Ultrahigh Specific Capacity for Sodiumâ€Metal Batteries. Angewandte Chemie, 2019, 131, 17210-17216.	1.6	49
87	A Latticeâ€Oxygenâ€Involved Reaction Pathway to Boost Urea Oxidation. Angewandte Chemie - International Edition, 2019, 58, 16820-16825.	7.2	201
88	A Sodiophilic Interphaseâ€Mediated, Dendriteâ€Free Anode with Ultrahigh Specific Capacity for Sodiumâ€Metal Batteries. Angewandte Chemie - International Edition, 2019, 58, 17054-17060.	7.2	119
89	Photo-to-electricity generation of aligned carbon nanotubes in water. Journal of Materials Chemistry A, 2019, 7, 1996-2001.	5.2	9
90	Highly Surfaceâ€Wrinkled and Nâ€Doped CNTs Anchored on Metal Wire: A Novel Fiberâ€Shaped Cathode toward Highâ€Performance Flexible Liâ€“CO₂ Batteries. Advanced Functional Materials, 2019, 29, 1808117.	7.8	75

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91	Flexible self-powered textile formed by bridging photoactive and electrochemically active fiber electrodes. Journal of Materials Chemistry A, 2019, 7, 14447-14454.	5.2	27
92	A shape-memory and spiral light-emitting device for precise multisite stimulation of nerve bundles. Nature Communications, 2019, 10, 2790.	5.8	33
93	The 3dâ€“5d orbital repulsion of transition metals in oxyhydroxide catalysts facilitates water oxidation. Journal of Materials Chemistry A, 2019, 7, 14455-14461.	5.2	28
94	A highly efficient alkaline HER Coâ€“Mo bimetallic carbide catalyst with an optimized Mo d-orbital electronic state. Journal of Materials Chemistry A, 2019, 7, 12434-12439.	5.2	58
95	The Rise of Fiber Electronics. Angewandte Chemie, 2019, 131, 13778-13788.	1.6	12
96	The Rise of Fiber Electronics. Angewandte Chemie - International Edition, 2019, 58, 13643-13653.	7.2	86
97	Amphiphilic core-sheath structured composite fiber for comprehensively performed supercapacitor. Science China Materials, 2019, 62, 955-964.	3.5	26
98	Polymer-based flexible bioelectronics. Science Bulletin, 2019, 64, 634-640.	4.3	50
99	A tactile sensing textile with bending-independent pressure perception and spatial acuity. Carbon, 2019, 149, 63-70.	5.4	30
100	Rational Design of a Flexible CNTs@PDMS Film Patterned by Bioâ€Inspired Templates as a Strain Sensor and Supercapacitor. Small, 2019, 15, e1805493.	5.2	91
101	A novel information storage and visual expression device based on mechanoluminescence. Journal of Materials Chemistry C, 2019, 7, 4020-4025.	2.7	37
102	Fiber Electronics: An Emerging Field. Batteries and Supercaps, 2019, 2, 968-969.	2.4	0
103	In Situ Intercalation of Bismuth into 3D Reduced Graphene Oxide Scaffolds for High Capacity and Long Cycleâ€Life Energy Storage. Small, 2019, 15, e1905903.	5.2	11
104	Stabilizing Lithium into Crossâ€Stacked Nanotube Sheets with an Ultraâ€High Specific Capacity for Lithium Oxygen Batteries. Angewandte Chemie - International Edition, 2019, 58, 2437-2442.	7.2	111
105	Stabilizing Lithium into Crossâ€Stacked Nanotube Sheets with an Ultraâ€High Specific Capacity for Lithium Oxygen Batteries. Angewandte Chemie, 2019, 131, 2459-2464.	1.6	18
106	Design of Helically Double-Leveled Gaps for Stretchable Fiber Strain Sensor with Ultralow Detection Limit, Broad Sensing Range, and High Repeatability. ACS Applied Materials & Interfaces, 2019, 11, 4345-4352.	4.0	91
107	Piezoluminescent devices by designing array structures. Science Bulletin, 2019, 64, 151-157.	4.3	16
108	The Recent Advance in Fiberâ€Shaped Energy Storage Devices. Advanced Electronic Materials, 2019, 5, 1800456.	2.6	103

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109	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
110	Chemicalâ€toâ€Electricity Carbon: Water Device. Advanced Materials, 2018, 30, e1707635.	11.1	45
111	Conjugated Polymers for Flexible Energy Harvesting and Storage. Advanced Materials, 2018, 30, e1704261.	11.1	161
112	Sticky-note supercapacitors. Journal of Materials Chemistry A, 2018, 6, 3355-3360.	5.2	28
113	A one-dimensional soft and color-programmable light-emitting device. Journal of Materials Chemistry C, 2018, 6, 1328-1333.	2.7	27
114	Generating Electricity from Water through Carbon Nanomaterials. Chemistry - A European Journal, 2018, 24, 6287-6294.	1.7	53
115	All-in-one fiber for stretchable fiber-shaped tandem supercapacitors. Nano Energy, 2018, 45, 210-219.	8.2	161
116	Frontispiece: Generating Electricity from Water through Carbon Nanomaterials. Chemistry - A European Journal, 2018, 24, .	1.7	0
117	Textile Display for Electronic and Brainâ€Interfaced Communications. Advanced Materials, 2018, 30, e1800323.	11.1	145
118	Multicolor, Fluorescent Supercapacitor Fiber. Small, 2018, 14, e1702052.	5.2	30
119	Theory-driven design of high-valence metal sites for water oxidation confirmed using in situ soft X-ray absorption. Nature Chemistry, 2018, 10, 149-154.	6.6	476
120	A fiber-shaped solar cell showing a record power conversion efficiency of 10%. Journal of Materials Chemistry A, 2018, 6, 45-51.	5.2	93
121	Stretchable and Energyâ€Efficient Heating Carbon Nanotube Fiber by Designing a Hierarchically Helical Structure. Small, 2018, 14, 1702926.	5.2	57
122	A Liâ€“Air Battery with Ultralong Cycle Life in Ambient Air. Advanced Materials, 2018, 30, 1704378.	11.1	113
123	A Lithiumâ€“Air Battery Stably Working at High Temperature with High Rate Performance. Small, 2018, 14, 1703454.	5.2	44
124	Gel Polymer Electrolytes for Electrochemical Energy Storage. Advanced Energy Materials, 2018, 8, 1702184.	10.2	674
125	Polymer solar cell textiles with interlaced cathode and anode fibers. Journal of Materials Chemistry A, 2018, 6, 19947-19953.	5.2	62
126	The pâ€Orbital Delocalization of Mainâ€Group Metals to Boost CO₂ Electroreduction. Angewandte Chemie, 2018, 130, 16346-16351.	1.6	51

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127	The pâ€Orbital Delocalization of Mainâ€Group Metals to Boost CO₂ Electroreduction. Angewandte Chemie - International Edition, 2018, 57, 16114-16119.	7.2	159
128	A Realâ€Time Wearable UVâ€Radiation Monitor based on a Highâ€Performance pâ€CuZnS/nâ€TiO₂ Photodetector. Advanced Materials, 2018, 30, e1803165.	11.1	300
129	Weaving Sensing Fibers into Electrochemical Fabric for Realâ€Time Health Monitoring. Advanced Functional Materials, 2018, 28, 1804456.	7.8	216
130	Role of Organic Components in Electrocatalysis for Renewable Energy Storage. Chemistry - A European Journal, 2018, 24, 18271-18292.	1.7	10
131	Programmable actuating systems based on swimming fiber robots. Carbon, 2018, 139, 241-247.	5.4	7
132	Aligned Carbon Nanotubes Reduce Hypertrophic Scar via Regulating Cell Behavior. ACS Nano, 2018, 12, 7601-7612.	7.3	46
133	Alignment of Thermally Conducting Nanotubes Making High-Performance Light-Driving Motors. ACS Applied Materials & Interfaces, 2018, 10, 26765-26771.	4.0	24
134	Flexible solar cells based on carbon nanomaterials. Carbon, 2018, 139, 1063-1073.	5.4	102
135	A self-healing and stretchable light-emitting device. Journal of Materials Chemistry C, 2018, 6, 12774-12780.	2.7	36
136	The recent progress of nitrogen-doped carbon nanomaterials for electrochemical batteries. Journal of Materials Chemistry A, 2018, 6, 12932-12944.	5.2	218
137	Engineering Carbon Nanotube Fiber for Real-Time Quantification of Ascorbic Acid Levels in a Live Rat Model of Alzheimerâ€™s Disease. Analytical Chemistry, 2017, 89, 1831-1837.	3.2	71
138	A coaxial triboelectric nanogenerator fiber for energy harvesting and sensing under deformation. Journal of Materials Chemistry A, 2017, 5, 6032-6037.	5.2	98
139	Energy harvesting and storage in 1D devices. Nature Reviews Materials, 2017, 2, .	23.3	421
140	An intercalated graphene/(molybdenum disulfide) hybrid fiber for capacitive energy storage. Journal of Materials Chemistry A, 2017, 5, 925-930.	5.2	78
141	Antipulverization Electrode Based on Lowâ€Carbon Tripleâ€Shelled Superstructures for Lithiumâ€Ion Batteries. Advanced Materials, 2017, 29, 1701494.	11.1	92
142	An Electrochemical Biosensor with Dual Signal Outputs: Toward Simultaneous Quantification of pH and O₂ in the Brain upon Ischemia and in a Tumor during Cancer Starvation Therapy. Angewandte Chemie - International Edition, 2017, 56, 10471-10475.	7.2	84
143	Biocompatible carbon nanotube fibers for implantable supercapacitors. Carbon, 2017, 122, 162-167.	5.4	105
144	Preparation of biomimetic hierarchically helical fiber actuators from carbon nanotubes. Nature Protocols, 2017, 12, 1349-1358.	5.5	48

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145	A smart, stretchable resistive heater textile. Journal of Materials Chemistry C, 2017, 5, 41-46.	2.7	94
146	A stretchable and sensitive light-emitting fabric. Journal of Materials Chemistry C, 2017, 5, 4139-4144.	2.7	40
147	Superaligned Carbon Nanotubes Guide Oriented Cell Growth and Promote Electrophysiological Homogeneity for Synthetic Cardiac Tissues. Advanced Materials, 2017, 29, 1702713.	11.1	85
148	Ultrasmall MnO Nanoparticles Supported on Nitrogen-Doped Carbon Nanotubes as Efficient Anode Materials for Sodium Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 38401-38408.	4.0	61
149	Tailorable coaxial carbon nanocables with high storage capabilities. Journal of Materials Chemistry A, 2017, 5, 22125-22130.	5.2	3
150	A Oneâ€Dimensional Fluidic Nanogenerator with a High Power Conversion Efficiency. Angewandte Chemie - International Edition, 2017, 56, 12940-12945.	7.2	112
151	A Oneâ€Dimensional Fluidic Nanogenerator with a High Power Conversion Efficiency. Angewandte Chemie, 2017, 129, 13120-13125.	1.6	9
152	Selective Etching of Nitrogenâ€Doped Carbon by Steam for Enhanced Electrochemical CO₂ Reduction. Advanced Energy Materials, 2017, 7, 1701456.	10.2	203
153	An Ultraflexible Siliconâ€“Oxygen Battery Fiber with High Energy Density. Angewandte Chemie, 2017, 129, 13929-13934.	1.6	12
154	An Ultraflexible Siliconâ€“Oxygen Battery Fiber with High Energy Density. Angewandte Chemie - International Edition, 2017, 56, 13741-13746.	7.2	59
155	Carbon nanomaterials for flexible lithium ion batteries. Carbon, 2017, 124, 79-88.	5.4	64
156	The Deformations of Carbon Nanotubes under Cutting. ACS Nano, 2017, 11, 8464-8470.	7.3	20
157	The Functionalization of Miniature Energyâ€Storage Devices. Small Methods, 2017, 1, 1700211.	4.6	23
158	Multi-functional Flexible Aqueous Sodium-Ion Batteries with High Safety. CheM, 2017, 3, 348-362.	5.8	194
159	Flexible and stretchable mechanoluminescent fiber and fabric. Journal of Materials Chemistry C, 2017, 5, 8027-8032.	2.7	69
160	Tissue Engineering: Superaligned Carbon Nanotubes Guide Oriented Cell Growth and Promote Electrophysiological Homogeneity for Synthetic Cardiac Tissues (Adv. Mater. 44/2017). Advanced Materials, 2017, 29, .	11.1	1
161	Co₂ Reduction: Selective Etching of Nitrogenâ€Doped Carbon by Steam for Enhanced Electrochemical CO₂ Reduction (Adv. Energy Mater. 22/2017). Advanced Energy Materials, 2017, 7, .	10.2	1
162	An Electrochemical Biosensor with Dual Signal Outputs: Toward Simultaneous Quantification of pH and O₂ in the Brain upon Ischemia and in a Tumor during Cancer Starvation Therapy. Angewandte Chemie, 2017, 129, 10607-10611.	1.6	19

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163	Programmable Actuation of Porous Poly(Ionic Liquid) Membranes by Aligned Carbon Nanotubes. Advanced Materials Interfaces, 2017, 4, 1600768.	1.9	35
164	Nitrogenâ€Doped Coreâ€Sheath Carbon Nanotube Array for Highly Stretchable Supercapacitor. Advanced Energy Materials, 2017, 7, 1601814.	10.2	155
165	Electrochemical Capacitors with High Output Voltages that Mimic Electric Eels. Advanced Materials, 2016, 28, 2070-2076.	11.1	119
166	A Novel Slicing Method for Thin Supercapacitors. Advanced Materials, 2016, 28, 6429-6435.	11.1	28
167	Fiber-Shaped Perovskite Solar Cells with High Power Conversion Efficiency. Small, 2016, 12, 2419-2424.	5.2	111
168	A Fiber Supercapacitor with High Energy Density Based on Hollow Graphene/Conducting Polymer Fiber Electrode. Advanced Materials, 2016, 28, 3646-3652.	11.1	654
169	Integration: An Effective Strategy to Develop Multifunctional Energy Storage Devices. Advanced Energy Materials, 2016, 6, 1501867.	10.2	138
170	Smart Electronic Textiles. Angewandte Chemie - International Edition, 2016, 55, 6140-6169.	7.2	460
171	Highâ€Performance Lithiumâ€“Air Battery with a Coaxialâ€Fiber Architecture. Angewandte Chemie - International Edition, 2016, 55, 4487-4491.	7.2	189
172	A fiber-shaped aqueous lithium ion battery with high power density. Journal of Materials Chemistry A, 2016, 4, 9002-9008.	5.2	132
173	Flexible and stretchable chromatic fibers with high sensing reversibility. Chemical Science, 2016, 7, 5113-5117.	3.7	40
174	Integrating photovoltaic conversion and lithium ion storage into a flexible fiber. Journal of Materials Chemistry A, 2016, 4, 7601-7605.	5.2	42
175	Design of a Hierarchical Ternary Hybrid for a Fiber-Shaped Asymmetric Supercapacitor with High Volumetric Energy Density. Journal of Physical Chemistry C, 2016, 120, 9685-9691.	1.5	140
176	A three-dimensionally stretchable high performance supercapacitor. Journal of Materials Chemistry A, 2016, 4, 14968-14973.	5.2	52
177	A Selfâ€Healing Aqueous Lithiumâ€Ion Battery. Angewandte Chemie, 2016, 128, 14596-14600.	1.6	25
178	A Selfâ€Healing Aqueous Lithiumâ€Ion Battery. Angewandte Chemie - International Edition, 2016, 55, 14384-14388.	7.2	191
179	A Novel Photoelectric Conversion Yarn by Integrating Photomechanical Actuation and the Electrostatic Effect. Advanced Materials, 2016, 28, 10744-10749.	11.1	31
180	Stretchable lithium-air batteries for wearable electronics. Journal of Materials Chemistry A, 2016, 4, 13419-13424.	5.2	82

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181	Largeâ€Area Supercapacitor Textiles with Novel Hierarchical Conducting Structures. Advanced Materials, 2016, 28, 8431-8438.	11.1	158
182	A hybrid carbon aerogel with both aligned and interconnected pores as interlayer for high-performance lithiumâ€“sulfur batteries. Nano Research, 2016, 9, 3735-3746.	5.8	140
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