Jing Ren

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.

70 papers	7,806 citations	42 h-index	72 g-index
72 ext. papers	8,478 ext. citations	13.9 avg, IF	6.06 L-index

#	Paper	IF	Citations
70	A carbon nanotubes based in situ multifunctional power assist system for restoring failed heart function. *BMC Biomedical Engineering*, **2021**, 3, 5	4.3	
69	A functionalized graphene aerogel for efficient water purification. *Green Materials*, **2021**, 9, 21-28	3.2	1
68	Thermochromic Silks for Temperature Management and Dynamic Textile Displays. *Nano-Micro Letters*, **2021**, 13, 72	19.5	9
67	Hollow spheres constructed by ultrathin SnS sheets for enhanced lithium storage. *Journal of Materials Science*, **2020**, 55, 7492-7501	4.3	13
66	A polymer-assisted strategy for hierarchical SnS@N-doped carbon microspheres with enhanced lithium storage performance. *Ionics*, **2020**, 26, 4921-4928	2.7	1
65	Violin String Inspired Core-Sheath Silk/Steel Yarns for Wearable Triboelectric Nanogenerator Applications. *Advanced Fiber Materials*, **2020**, 2, 24-33	10.9	18
64	Hollow I-CuMoS nanocubes coupled with an ether-based electrolyte for highly reversible lithium storage. *Journal of Colloid and Interface Science*, **2020**, 577, 86-91	9.3	11
63	Understanding Secondary Structures of Silk Materials via Micro- and Nano-Infrared Spectroscopies. *ACS Biomaterials Science and Engineering*, **2019**, 5, 3161-3183	5.5	25
62	Biological Material Interfaces as Inspiration for Mechanical and Optical Material Designs. *Chemical Reviews*, **2019**, 119, 12279-12336	68.1	73
61	Interplay of structure and mechanics in silk/carbon nanocomposites. *MRS Bulletin*, **2019**, 44, 53-58	3.2	13
60	Highly compressible polyimide/graphene aerogel for efficient oil/water separation. *Journal of Materials Science*, **2019**, 54, 5918-5926	4.3	42
59	Freestanding 3D single-wall carbon nanotubes/WS2 nanosheets foams as ultra-long-life anodes for rechargeable lithium ion batteries. *Electrochimica Acta*, **2018**, 267, 133-140	6.7	44
58	Flexible fiber-shaped energy storage devices: principles, progress, applications and challenges. *Flexible and Printed Electronics*, **2018**, 3, 013001	3.1	24
57	A New Anode for Lithium-Ion Batteries Based on Single-Walled Carbon Nanotubes and Graphene: Improved Performance through a Binary Network Design. *Chemistry - an Asian Journal*, **2018**, 13, 1223-1227	4.5	11
56	Stretchable all-solid-state supercapacitors based on highly conductive polypyrrole-coated graphene foam. *Chemical Engineering Journal*, **2018**, 349, 111-118	14.7	60
55	An intercalated graphene/(molybdenum disulfide) hybrid fiber for capacitive energy storage. *Journal of Materials Chemistry A*, **2017**, 5, 925-930	13	70
54	Superaligned Carbon Nanotubes Guide Oriented Cell Growth and Promote Electrophysiological Homogeneity for Synthetic Cardiac Tissues. *Advanced Materials*, **2017**, 29, 1702713	24	53

53	Tailorable coaxial carbon nanocables with high storage capabilities. *Journal of Materials Chemistry A* , **2017**, 5, 22125-22130	13	3
52	Advances in Wearable Fiber-Shaped Lithium-Ion Batteries. *Advanced Materials*, **2016**, 28, 4524-31	24	173
51	A Cable-Shaped Lithium Sulfur Battery. *Advanced Materials*, **2016**, 28, 491-6	24	148
50	Synthesizing Nitrogen-Doped Core‐Sheath Carbon Nanotube Films for Flexible Lithium Ion Batteries. *Advanced Energy Materials*, **2016**, 6, 1600271	21.8	72
49	An All-Solid-State Fiber-Shaped Aluminum‐Air Battery with Flexibility, Stretchability, and High Electrochemical Performance. *Angewandte Chemie*, **2016**, 128, 8111-8114	3.6	49
48	An All-Solid-State Fiber-Shaped Aluminum-Air Battery with Flexibility, Stretchability, and High Electrochemical Performance. *Angewandte Chemie - International Edition*, **2016**, 55, 7979-82	16.4	167
47	Mechanism and Reaction Pathways for Microcystin-LR Degradation through UV/H2O2 Treatment. *PLoS ONE*, **2016**, 11, e0156236	3.7	9
46	Integration: An Effective Strategy to Develop Multifunctional Energy Storage Devices. *Advanced Energy Materials*, **2016**, 6, 1501867	21.8	115
45	Integrating photovoltaic conversion and lithium ion storage into a flexible fiber. *Journal of Materials Chemistry A*, **2016**, 4, 7601-7605	13	35
44	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	3.8	109
43	A Self-Healing Aqueous Lithium-Ion Battery. *Angewandte Chemie*, **2016**, 128, 14596-14600	3.6	25
42	A Self-Healing Aqueous Lithium-Ion Battery. *Angewandte Chemie - International Edition*, **2016**, 55, 14384-14388	16.4	151
41	A gum-like lithium-ion battery based on a novel arched structure. *Advanced Materials*, **2015**, 27, 1363-9	24	148
40	A redox-active gel electrolyte for fiber-shaped supercapacitor with high area specific capacitance. *Journal of Materials Chemistry A*, **2015**, 3, 6286-6290	13	41
39	Aligned carbon nanotube/molybdenum disulfide hybrids for effective fibrous supercapacitors and lithium ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 17553-17557	13	89
38	Failure mechanism in fiber-shaped electrodes for lithium-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 10942-10948	13	25
37	Recent advancement of nanostructured carbon for energy applications. *Chemical Reviews*, **2015**, 115, 5159-223	68.1	598
36	Superelastic supercapacitors with high performances during stretching. *Advanced Materials*, **2015**, 27, 356-62	24	200

35	Flexible, Stretchable, and Rechargeable Fiber-Shaped Zinc-Air Battery Based on Cross-Stacked Carbon Nanotube Sheets. *Angewandte Chemie*, **2015**, 127, 15610-15614	3.6	55
34	Flexible, Stretchable, and Rechargeable Fiber-Shaped Zinc-Air Battery Based on Cross-Stacked Carbon Nanotube Sheets. *Angewandte Chemie - International Edition*, **2015**, 54, 15390-4	16.4	241
33	An Aligned and Laminated Nanostructured Carbon Hybrid Cathode for High-Performance Lithium-Sulfur Batteries. *Angewandte Chemie*, **2015**, 127, 10685-10690	3.6	32
32	Fabricating Continuous Supercapacitor Fibers with High Performances by Integrating All Building Materials and Steps into One Process. *Advanced Materials*, **2015**, 27, 7854-60	24	152
31	Realizing both High Energy and High Power Densities by Twisting Three Carbon-Nanotube-Based Hybrid Fibers. *Angewandte Chemie*, **2015**, 127, 11329-11334	3.6	14
30	An Aligned and Laminated Nanostructured Carbon Hybrid Cathode for High-Performance Lithium-Sulfur Batteries. *Angewandte Chemie - International Edition*, **2015**, 54, 10539-44	16.4	83
29	Realizing both high energy and high power densities by twisting three carbon-nanotube-based hybrid fibers. *Angewandte Chemie - International Edition*, **2015**, 54, 11177-82	16.4	83
28	Winding aligned carbon nanotube composite yarns into coaxial fiber full batteries with high performances. *Nano Letters*, **2014**, 14, 3432-8	11.5	195
27	Flexible and stretchable lithium-ion batteries and supercapacitors based on electrically conducting carbon nanotube fiber springs. *Angewandte Chemie - International Edition*, **2014**, 53, 14564-8	16.4	288
26	Flexible and stable lithium ion batteries based on three-dimensional aligned carbon nanotube/silicon hybrid electrodes. *Journal of Materials Chemistry A*, **2014**, 2, 9306	13	61
25	Super-stretchy lithium-ion battery based on carbon nanotube fiber. *Journal of Materials Chemistry A* , **2014**, 2, 11054	13	140
24	Novel graphene/carbon nanotube composite fibers for efficient wire-shaped miniature energy devices. *Advanced Materials*, **2014**, 26, 2868-73	24	279
23	Elastic and wearable wire-shaped lithium-ion battery with high electrochemical performance. *Angewandte Chemie - International Edition*, **2014**, 53, 7864-9	16.4	259
22	Twisted aligned carbon nanotube/silicon composite fiber anode for flexible wire-shaped lithium-ion battery. *Advanced Materials*, **2014**, 26, 1217-22	24	256
21	Self-powered energy fiber: energy conversion in the sheath and storage in the core. *Advanced Materials*, **2014**, 26, 7038-42	24	94
20	Flexible and Stretchable Lithium-Ion Batteries and Supercapacitors Based on Electrically Conducting Carbon Nanotube Fiber Springs. *Angewandte Chemie*, **2014**, 126, 14792-14796	3.6	48
19	Energy Fibers: Self-Powered Energy Fiber: Energy Conversion in the Sheath and Storage in the Core (Adv. Mater. 41/2014). *Advanced Materials*, **2014**, 26, 7132-7132	24	
18	Rücktitelbild: Elastic and Wearable Wire-Shaped Lithium-Ion Battery with High Electrochemical Performance (Angew. Chem. 30/2014). *Angewandte Chemie*, **2014**, 126, 8092-8092	3.6	0

17	Elastic and Wearable Wire-Shaped Lithium-Ion Battery with High Electrochemical Performance. *Angewandte Chemie*, **2014**, 126, 7998-8003	3.6	119
16	Novel electric double-layer capacitor with a coaxial fiber structure. *Advanced Materials*, **2013**, 25, 6436-41	14	314
15	Oriented PEDOT:PSS on aligned carbon nanotubes for efficient dye-sensitized solar cells. *Journal of Materials Chemistry A*, **2013**, 1, 13268	13	58
14	Batteries: Twisting Carbon Nanotube Fibers for Both Wire-Shaped Micro-Supercapacitor and Micro-Battery (Adv. Mater. 8/2013). *Advanced Materials*, **2013**, 25, 1224-1224	24	10
13	Twisting carbon nanotube fibers for both wire-shaped micro-supercapacitor and micro-battery. *Advanced Materials*, **2013**, 25, 1155-9, 1224	24	635
12	Flexible, weavable and efficient microsupercapacitor wires based on polyaniline composite fibers incorporated with aligned carbon nanotubes. *Journal of Materials Chemistry A*, **2013**, 1, 258-261	13	201
11	Synthesis of aligned carbon nanotube composite fibers with high performances by electrochemical deposition. *Journal of Materials Chemistry A*, **2013**, 1, 2211-2216	13	34
10	Conducting polymer composite film incorporated with aligned carbon nanotubes for transparent, flexible and efficient supercapacitor. *Scientific Reports*, **2013**, 3, 1353	4.9	212
9	A highly stretchable, fiber-shaped supercapacitor. *Angewandte Chemie - International Edition*, **2013**, 52, 13453-7	16.4	431
8	Capacitors: Novel Electric Double-Layer Capacitor with a Coaxial Fiber Structure (Adv. Mater. 44/2013). *Advanced Materials*, **2013**, 25, 6468-6468	24	
7	Flexible and weaveable capacitor wire based on a carbon nanocomposite fiber. *Advanced Materials*, **2013**, 25, 5965-70	24	401
6	A Highly Stretchable, Fiber-Shaped Supercapacitor. *Angewandte Chemie*, **2013**, 125, 13695-13699	3.6	48
5	An Integrated Energy Wire for both Photoelectric Conversion and Energy Storage. *Angewandte Chemie*, **2012**, 124, 12143-12146	3.6	36
4	Innentitelbild: An Integrated Energy Wire for both Photoelectric Conversion and Energy Storage (Angew. Chem. 48/2012). *Angewandte Chemie*, **2012**, 124, 12078-12078	3.6	
3	An Integrated "energy wire" for both photoelectric conversion and energy storage. *Angewandte Chemie - International Edition*, **2012**, 51, 11977-80	16.4	377
2	Penetrated and aligned carbon nanotubes for counter electrodes of highly efficient dye-sensitized solar cells. *Chemical Physics Letters*, **2012**, 549, 82-85	2.5	19
1	Intriguing hybrid nanotubes with tunable structures. *Chemical Physics Letters*, **2011**, 516, 204-207	2.5	4