

# Chunya Wang

## 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.

43  
papers

4,818  
citations

31  
h-index

47  
g-index

47  
ext. papers

6,131  
ext. citations

14.2  
avg, IF

6.18  
L-index

#	Paper	IF	Citations
43	Electronic fibers and textiles: Recent progress and perspective. <i>iScience</i> , <b>2021</b> , 24, 102716	6.1	14
42	Natural Biopolymer-Based Biocompatible Conductors for Stretchable Bioelectronics. <i>Chemical Reviews</i> , <b>2021</b> , 121, 2109-2146	68.1	64
41	Smart Fibers and Textiles for Personal Health Management. <i>ACS Nano</i> , <b>2021</b> ,	16.7	29
40	Robust, self-adhesive, reinforced polymeric nanofilms enabling gas-permeable dry electrodes for long-term application. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	13
39	Stable and Biocompatible Carbon Nanotube Ink Mediated by Silk Protein for Printed Electronics. <i>Advanced Materials</i> , <b>2020</b> , 32, e2000165	24	78
38	Spontaneous Alignment of Graphene Oxide in Hydrogel during 3D Printing for Multistimuli-Responsive Actuation. <i>Advanced Science</i> , <b>2020</b> , 7, 1903048	13.6	30
37	Natural Biopolymers for Flexible Sensing and Energy Devices. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2020</b> , 38, 459-490	3.5	41
36	Molybdenum Disulfide Nanosheets Aligned Vertically on Carbonized Silk Fabric as Smart Textile for Wearable Pressure-Sensing and Energy Devices. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 11825-11832 <sup>37</sup>	9.5	37
35	Laser Writing of Janus Graphene/Kevlar Textile for Intelligent Protective Clothing. <i>ACS Nano</i> , <b>2020</b> , 14, 3219-3226	16.7	71
34	Seamless Graphene-Seal-Wrap as a Removable Protective Cover for Two-Dimensional Materials <b>2020</b> , 2, 215-219		4
33	Physical sensors for skin-inspired electronics. <i>Informa Mater</i> , <b>2020</b> , 2, 184-211	23.1	80
32	Silk-Based Advanced Materials for Soft Electronics. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 2916-2927	24.3	128
31	Silk-Derived 2D Porous Carbon Nanosheets with Atomically-Dispersed Fe-N -C Sites for Highly Efficient Oxygen Reaction Catalysts. <i>Small</i> , <b>2019</b> , 15, e1804966	11	40
30	Hollow core-sheath nanocarbon spheres grown on carbonized silk fabrics for self-supported and nonenzymatic glucose sensing. <i>Nanoscale</i> , <b>2019</b> , 11, 11856-11863	7.7	15
29	Printable Smart Pattern for Multifunctional Energy-Management E-Textile. <i>Matter</i> , <b>2019</b> , 1, 168-179	12.7	92
28	Carbonized Chinese Art Paper-Based High-Performance Wearable Strain Sensor for Human Activity Monitoring. <i>ACS Applied Electronic Materials</i> , <b>2019</b> , 1, 2415-2421	4	21
27	Integrated textile sensor patch for real-time and multiplex sweat analysis. <i>Science Advances</i> , <b>2019</b> , 5, eaax0649	14.3	183

26	Silk-Derived Highly Active Oxygen Electrocatalysts for Flexible and Rechargeable Zn/Air Batteries. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 1023-1029	9.6	65
25	Advanced Carbon for Flexible and Wearable Electronics. <i>Advanced Materials</i> , <b>2019</b> , 31, e1801072	24	458
24	Mineral-Templated 3D Graphene Architectures for Energy-Efficient Electrodes. <i>Small</i> , <b>2018</b> , 14, e1801009	19	
23	Superelastic wire-shaped supercapacitor sustaining 850% tensile strain based on carbon nanotube@graphene fiber. <i>Nano Research</i> , <b>2018</b> , 11, 2347-2356	10	46
22	CVD growth of fingerprint-like patterned 3D graphene film for an ultrasensitive pressure sensor. <i>Nano Research</i> , <b>2018</b> , 11, 1124-1134	10	132
21	Splash-Resistant and Light-Weight Silk-Sheathed Wires for Textile Electronics. <i>Nano Letters</i> , <b>2018</b> , 18, 7085-7091	11.5	77
20	Carbonized Silk Nanofiber Membrane for Transparent and Sensitive Electronic Skin. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1605657	15.6	293
19	Flexible and Highly Sensitive Pressure Sensors Based on Bionic Hierarchical Structures. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1606066	15.6	372
18	Electrospun polyetherimide electret nonwoven for bi-functional smart face mask. <i>Nano Energy</i> , <b>2017</b> , 34, 562-569	17.1	73
17	Intrinsically Stretchable and Conductive Textile by a Scalable Process for Elastic Wearable Electronics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 13331-13338	9.5	84
16	An All-Silk-Derived Dual-Mode E-skin for Simultaneous Temperature-Pressure Detection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 39484-39492	9.5	151
15	Advanced carbon materials for flexible and wearable sensors. <i>Science China Materials</i> , <b>2017</b> , 60, 1026-1062	10.2	108
14	Weft-Knitted Fabric for a Highly Stretchable and Low-Voltage Wearable Heater. <i>Advanced Electronic Materials</i> , <b>2017</b> , 3, 1700193	6.4	95
13	Extremely Black Vertically Aligned Carbon Nanotube Arrays for Solar Steam Generation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 28596-28603	9.5	192
12	Carbonized silk georgette as an ultrasensitive wearable strain sensor for full-range human activity monitoring. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 7604-7611	7.1	111
11	Carbonized Cotton Fabric for High-Performance Wearable Strain Sensors. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1604795	15.6	296
10	Feeding Single-Walled Carbon Nanotubes or Graphene to Silkworms for Reinforced Silk Fibers. <i>Nano Letters</i> , <b>2016</b> , 16, 6695-6700	11.5	129
9	Carbonized Silk Fabric for Ultrastretchable, Highly Sensitive, and Wearable Strain Sensors. <i>Advanced Materials</i> , <b>2016</b> , 28, 6640-8	24	584

8	Silk nanofibers as high efficient and lightweight air filter. <i>Nano Research</i> , <b>2016</b> , 9, 2590-2597	10	135
7	Sheath-Core Graphite/Silk Fiber Made by Dry-Meyer-Rod-Coating for Wearable Strain Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 20894-9	9.5	146
6	Wearable Strain Sensors: Carbonized Silk Fabric for Ultrastretchable, Highly Sensitive, and Wearable Strain Sensors (Adv. Mater. 31/2016). <i>Advanced Materials</i> , <b>2016</b> , 28, 6639	24	11
5	Synthesis of three-dimensional carbon nanotube/graphene hybrid materials by a two-step chemical vapor deposition process. <i>Carbon</i> , <b>2015</b> , 86, 358-362	10.4	40
4	Air filtration in the free molecular flow regime: a review of high-efficiency particulate air filters based on carbon nanotubes. <i>Small</i> , <b>2014</b> , 10, 4543-61	11	189
3	A high efficiency particulate air filter based on agglomerated carbon nanotube fluidized bed. <i>Carbon</i> , <b>2014</b> , 79, 424-431	10.4	19
2	Graphene/graphite sheet assisted growth of high-area-density horizontally aligned carbon nanotubes. <i>Chemical Communications</i> , <b>2014</b> , 50, 11158-61	5.8	12
1	Hierarchical carbon-nanotube/quartz-fiber films with gradient nanostructures for high efficiency and long service life air filters. <i>RSC Advances</i> , <b>2014</b> , 4, 54115-54121	3.7	21