

Zhaoling Li

List of Publications by Citations

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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.

67

papers

4,482

citations

31

h-index

66

g-index

70

ext. papers

5,455

ext. citations

10.6

avg, IF

6

L-index

#	Paper	IF	Citations
67	Networks of triboelectric nanogenerators for harvesting water wave energy: a potential approach toward blue energy. <i>ACS Nano</i> , 2015 , 9, 3324-31	16.7	419
66	Eardrum-inspired active sensors for self-powered cardiovascular system characterization and throat-attached anti-interference voice recognition. <i>Advanced Materials</i> , 2015 , 27, 1316-26	24	366
65	Ultrathin, rollable, paper-based triboelectric nanogenerator for acoustic energy harvesting and self-powered sound recording. <i>ACS Nano</i> , 2015 , 9, 4236-43	16.7	323
64	A Flexible Fiber-Based Supercapacitor-Triboelectric-Nanogenerator Power System for Wearable Electronics. <i>Advanced Materials</i> , 2015 , 27, 4830-6	24	276
63	Superhydrophilic and underwater superoleophobic nanofibrous membrane with hierarchical structured skin for effective oil-in-water emulsion separation. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 497-502	13	253
62	Blow-driven triboelectric nanogenerator as an active alcohol breath analyzer. <i>Nano Energy</i> , 2015 , 16, 38-46	17.1	217
61	Light-induced pyroelectric effect as an effective approach for ultrafast ultraviolet nanosensing. <i>Nature Communications</i> , 2015 , 6, 8401	17.4	180
60	β-cyclodextrin enhanced triboelectrification for self-powered phenol detection and electrochemical degradation. <i>Energy and Environmental Science</i> , 2015 , 8, 887-896	35.4	167
59	Triboelectrification-Enabled Self-Powered Detection and Removal of Heavy Metal Ions in Wastewater. <i>Advanced Materials</i> , 2016 , 28, 2983-91	24	161
58	Nanofibrous membrane constructed wearable triboelectric nanogenerator for high performance biomechanical energy harvesting. <i>Nano Energy</i> , 2017 , 36, 341-348	17.1	134
57	High-efficiency ramie fiber degumming and self-powered degumming wastewater treatment using triboelectric nanogenerator. <i>Nano Energy</i> , 2016 , 22, 548-557	17.1	114
56	Highly flexible, breathable, tailorable and washable power generation fabrics for wearable electronics. <i>Nano Energy</i> , 2019 , 58, 750-758	17.1	112
55	An ultrarobust high-performance triboelectric nanogenerator based on charge replenishment. <i>ACS Nano</i> , 2015 , 9, 5577-84	16.7	110
54	Humidity-resisting triboelectric nanogenerator for high performance biomechanical energy harvesting. <i>Nano Energy</i> , 2017 , 40, 282-288	17.1	100
53	All-Fiber Structured Electronic Skin with High Elasticity and Breathability. <i>Advanced Functional Materials</i> , 2020 , 30, 1908411	15.6	99
52	Automatic Mode Transition Enabled Robust Triboelectric Nanogenerators. <i>ACS Nano</i> , 2015 , 9, 12334-43	16.7	94
51	Multilayered fiber-based triboelectric nanogenerator with high performance for biomechanical energy harvesting. <i>Nano Energy</i> , 2018 , 53, 726-733	17.1	92

50	Highly shape adaptive fiber based electronic skin for sensitive joint motion monitoring and tactile sensing. <i>Nano Energy</i> , 2020 , 69, 104429	17.1	87
49	Tailoring Mechanically Robust Poly(m-phenylene isophthalamide) Nanofiber/nets for Ultrathin High-Efficiency Air Filter. <i>Scientific Reports</i> , 2017 , 7, 40550	4.9	76
48	Rolling Friction Enhanced Free-Standing Triboelectric Nanogenerators and their Applications in Self-Powered Electrochemical Recovery Systems. <i>Advanced Functional Materials</i> , 2016 , 26, 1054-1062	15.6	74
47	Hierarchically Rough Structured and Self-Powered Pressure Sensor Textile for Motion Sensing and Pulse Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 1597-1605	9.5	68
46	Highly Wearable, Breathable, and Washable Sensing Textile for Human Motion and Pulse Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 19965-19973	9.5	67
45	A hybrid comprised of porous carbon nanofibers and rGO for efficient electromagnetic wave absorption. <i>Carbon</i> , 2020 , 157, 703-713	10.4	60
44	Flexible Hierarchical ZrO Nanoparticle-Embedded SiO Nanofibrous Membrane as a Versatile Tool for Efficient Removal of Phosphate. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 34668-34676	9.5	59
43	Flexible High-Resolution Triboelectric Sensor Array Based on Patterned Laser-Induced Graphene for Self-Powered Real-Time Tactile Sensing. <i>Advanced Functional Materials</i> , 2021 , 31, 2100709	15.6	47
42	Energy autonomous hybrid electronic skin with multi-modal sensing capabilities. <i>Nano Energy</i> , 2020 , 78, 105208	17.1	42
41	CoO/carbon composite nanofibrous membrane enabled high-efficiency electromagnetic wave absorption. <i>Scientific Reports</i> , 2018 , 8, 12402	4.9	40
40	Conductance-stable liquid metal sheath-core microfibers for stretchy smart fabrics and self-powered sensing. <i>Science Advances</i> , 2021 , 7,	14.3	40
39	Bioinspired transparent and antibacterial electronic skin for sensitive tactile sensing. <i>Nano Energy</i> , 2021 , 81, 105669	17.1	37
38	Facile Strategy for Fabrication of Flexible, Breathable, and Washable Piezoelectric Sensors via Welding of Nanofibers with Multiwalled Carbon Nanotubes (MWCNTs). <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 38023-38030	9.5	35
37	Light and Flexible Composite Nanofibrous Membranes for High-Efficiency Electromagnetic Absorption in a Broad Frequency. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 44561-44569	9.5	34
36	Effect of peroxide and softness modification on properties of ramie fiber. <i>Fibers and Polymers</i> , 2014 , 15, 2105-2111	2	29
35	Microwave-assisted fabrication of sea cucumber-like hollow structured composite for high-performance electromagnetic wave absorption. <i>Chemical Engineering Journal</i> , 2020 , 392, 123646	14.7	28
34	Highly Flexible, Efficient, and Sandwich-Structured Infrared Radiation Heating Fabric. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 11016-11025	9.5	27
33	Nanofibrous membrane constructed magnetic materials for high-efficiency electromagnetic wave absorption. <i>Composites Part B: Engineering</i> , 2018 , 155, 397-404	10	27

32	Solar thermal energy harvesting properties of spacer fabric composite used for transparent insulation materials. <i>Solar Energy Materials and Solar Cells</i> , 2018 , 174, 140-145	6.4	25
31	Composition of ramie hemicelluloses and effect of polysaccharides on fiber properties. <i>Textile Reseach Journal</i> , 2016 , 86, 451-460	1.7	24
30	Design and optimization of a photo-thermal energy conversion model based on polar bear hair. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 159, 345-351	6.4	24
29	Mathematical and experimental analysis on solar thermal energy harvesting performance of the textile-based solar thermal energy collector. <i>Renewable Energy</i> , 2018 , 129, 553-560	8.1	24
28	Wearable biosensor for sensitive detection of uric acid in artificial sweat enabled by a fiber structured sensing interface. <i>Nano Energy</i> , 2021 , 85, 106031	17.1	24
27	Analysis of oxidized cellulose introduced into ramie fiber by oxidation degumming. <i>Textile Reseach Journal</i> , 2015 , 85, 2125-2135	1.7	23
26	Seaweed-Derived Electrospun Nanofibrous Membranes for Ultrahigh Protein Adsorption. <i>Advanced Functional Materials</i> , 2019 , 29, 1905610	15.6	20
25	Reaction environment self-modification on low-coordination Ni ²⁺ octahedra atomic interface for superior electrocatalytic overall water splitting. <i>Nano Research</i> , 2020 , 13, 3068-3074	10	20
24	Sustained-release alkali source used in the oxidation degumming of ramie. <i>Textile Reseach Journal</i> , 2017 , 87, 1155-1164	1.7	19
23	Property of ramie fiber degummed with Fenton reagent. <i>Fibers and Polymers</i> , 2017 , 18, 1891-1897	2	18
22	Treatment of ramie fiber with different techniques: the influence of diammonium phosphate on interfacial adhesion properties of ramie fiber-reinforced polylactic acid composite. <i>Iranian Polymer Journal (English Edition)</i> , 2017 , 26, 341-354	2.3	17
21	The cellulose protection agent used in the oxidation degumming of ramie. <i>Textile Reseach Journal</i> , 2016 , 86, 1109-1118	1.7	17
20	A dual-mode electronic skin textile for pressure and temperature sensing. <i>Chemical Engineering Journal</i> , 2021 , 425, 130599	14.7	16
19	Rationally designed carbon coated ZnSnS ₃ nano cubes as high-performance anode for advanced sodium-ion batteries. <i>Electrochimica Acta</i> , 2018 , 292, 646-654	6.7	15
18	Highly flexible, efficient, and wearable infrared radiation heating carbon fabric. <i>Chemical Engineering Journal</i> , 2021 , 417, 128114	14.7	13
17	The effect of oxidation-reduction potential on the degumming of ramie fibers with hydrogen peroxide. <i>Journal of the Textile Institute</i> , 2015 , 106, 1251-1261	1.5	11
16	Analysis of Structural Changes in Jute Fibers after Peracetic Acid Treatment. <i>Journal of Engineered Fibers and Fabrics</i> , 2017 , 12, 155892501701200	0.9	10
15	High-efficiency and recyclable ramie cellulose fiber degumming enabled by deep eutectic solvent. <i>Industrial Crops and Products</i> , 2021 , 171, 113879	5.9	10

14	Characterization and control of oxidized cellulose in ramie fibers during oxidative degumming. <i>Textile Reseach Journal</i> , 2017 , 87, 1828-1840	1.7	9
13	Flexible Temperature Sensors Constructed with Fiber Materials. <i>Advanced Materials Technologies</i> , 2018 , 21011828	1.7	8
12	Optimization design of a flexible absorption device for solar energy application. <i>E-Polymers</i> , 2017 , 17, 227-234	2.7	6
11	Structural and thermal property changes of plasticized spinning polyacrylonitrile fibers under different spinning speeds. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45267	2.9	6
10	Effect of Pre-carbonization Temperature on the Properties of Plasticized Spinning Polyacrylonitrile Fibers. <i>Fibers and Polymers</i> , 2018 , 19, 692-696	2	5
9	Air-permeable electrode for highly sensitive and noninvasive glucose monitoring enabled by graphene fiber fabrics. <i>Nano Energy</i> , 2022 , 93, 106904	17.1	5
8	Nanocrystalline cellulose extracted from bast fibers: Preparation, characterization, and application.. <i>Carbohydrate Polymers</i> , 2022 , 290, 119462	10.3	4
7	Energy harvesting from human motions for wearable applications. <i>Industria Textila</i> , 2018 , 69, 390-393	0.5	3
6	Wearable triboelectric nanogenerators constructed from electrospun nanofibers		2
5	Extraction of Ramie Fiber in Alkali Hydrogen Peroxide System Supported by Controlled-release Alkali Source. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	1
4	Morphology and Structure of Electrospun Nanofibrous Materials 2019 , 112-178		1
3	One-step extraction of ramie cellulose fibers and reutilization of degumming solution. <i>Textile Reseach Journal</i> , 004051752210868	1.7	1
2	Process optimization and comprehensive utilization of recyclable deep eutectic solvent for the production of ramie cellulose fibers. <i>Cellulose</i> , 1	5.5	1
1	Anthraquinone-assisted deep eutectic solvent degumming of ramie fibers: Evaluation of fiber properties and degumming performance. <i>Industrial Crops and Products</i> , 2022 , 185, 115115	5.9	1