

Zhaoling Li

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

6,659
citations

81900

39
h-index

98798

67
g-index

70
all docs

70
docs citations

70
times ranked

6092
citing authors

#	ARTICLE	IF	CITATIONS
1	Air-permeable electrode for highly sensitive and noninvasive glucose monitoring enabled by graphene fiber fabrics. <i>Nano Energy</i> , 2022, 93, 106904.	16.0	63
2	Flexible Temperature Sensors Constructed with Fiber Materials. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	82
3	One-step extraction of ramie cellulose fibers and reutilization of degumming solution. <i>Textile Reseach Journal</i> , 2022, 92, 3579-3590.	2.2	6
4	Process optimization and comprehensive utilization of recyclable deep eutectic solvent for the production of ramie cellulose fibers. <i>Cellulose</i> , 2022, 29, 3689-3701.	4.9	17
5	Superstable and Intrinsically Self-Healing Fibrous Membrane with Bionic Confined Protective Structure for Breathable Electronic Skin. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	24
6	Superstable and Intrinsically Self-Healing Fibrous Membrane with Bionic Confined Protective Structure for Breathable Electronic Skin. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	70
7	Nanocrystalline cellulose extracted from bast fibers: Preparation, characterization, and application. <i>Carbohydrate Polymers</i> , 2022, 290, 119462.	10.2	30
8	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.	5.2	14
9	Bioinspired transparent and antibacterial electronic skin for sensitive tactile sensing. <i>Nano Energy</i> , 2021, 81, 105669.	16.0	97
10	Highly flexible, efficient, and wearable infrared radiation heating carbon fabric. <i>Chemical Engineering Journal</i> , 2021, 417, 128114.	12.7	31
11	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.	14.9	152
12	Conductance-stable liquid metal sheath-core microfibers for stretchy smart fabrics and self-powered sensing. <i>Science Advances</i> , 2021, 7, .	10.3	166
13	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.	16.0	82
14	High-efficiency and recyclable ramie cellulose fiber degumming enabled by deep eutectic solvent. <i>Industrial Crops and Products</i> , 2021, 171, 113879.	5.2	28
15	A dual-mode electronic skin textile for pressure and temperature sensing. <i>Chemical Engineering Journal</i> , 2021, 425, 130599.	12.7	44
16	A hybrid comprised of porous carbon nanofibers and rGO for efficient electromagnetic wave absorption. <i>Carbon</i> , 2020, 157, 703-713.	10.3	109
17	Highly shape adaptive fiber based electronic skin for sensitive joint motion monitoring and tactile sensing. <i>Nano Energy</i> , 2020, 69, 104429.	16.0	149
18	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.	8.0	121

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19	All-Fiber Structured Electronic Skin with High Elasticity and Breathability. <i>Advanced Functional Materials</i> , 2020, 30, 1908411.	14.9	170
20	Microwave-assisted fabrication of sea cucumber-like hollow structured composite for high-performance electromagnetic wave absorption. <i>Chemical Engineering Journal</i> , 2020, 392, 123646.	12.7	45
21	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.	10.4	27
22	Energy autonomous hybrid electronic skin with multi-modal sensing capabilities. <i>Nano Energy</i> , 2020, 78, 105208.	16.0	84
23	Highly Flexible, Efficient, and Sandwich-Structured Infrared Radiation Heating Fabric. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 11016-11025.	8.0	46
24	Highly Wearable, Breathable, and Washable Sensing Textile for Human Motion and Pulse Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 19965-19973.	8.0	119
25	Seaweed-Derived Electrospun Nanofibrous Membranes for Ultrahigh Protein Adsorption. <i>Advanced Functional Materials</i> , 2019, 29, 1905610.	14.9	36
26	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.	8.0	52
27	Highly flexible, breathable, tailorable and washable power generation fabrics for wearable electronics. <i>Nano Energy</i> , 2019, 58, 750-758.	16.0	155
28	Morphology and Structure of Electrospun Nanofibrous Materials. , 2019, , 112-178.		1
29	Extraction of Ramie Fiber in Alkali Hydrogen Peroxide System Supported by Controlled-release Alkali Source. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	3
30	Effect of Pre-carbonization Temperature on the Properties of Plasticized Spinning Polyacrylonitrile Fibers. <i>Fibers and Polymers</i> , 2018, 19, 692-696.	2.1	5
31	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.	6.2	31
32	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.	8.0	47
33	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.	5.2	18
34	Nanofibrous membrane constructed magnetic materials for high-efficiency electromagnetic wave absorption. <i>Composites Part B: Engineering</i> , 2018, 155, 397-404.	12.0	50
35	Multilayered fiber-based triboelectric nanogenerator with high performance for biomechanical energy harvesting. <i>Nano Energy</i> , 2018, 53, 726-733.	16.0	144
36	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.	8.9	32

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37	Co ₃ O ₄ /carbon composite nanofibrous membrane enabled high-efficiency electromagnetic wave absorption. <i>Scientific Reports</i> , 2018, 8, 12402.	3.3	58
38	Energy harvesting from human motions for wearable applications. <i>Industria Textila</i> , 2018, 69, 390-393.	0.8	4
39	Tailoring Mechanically Robust Poly(m-phenylene isophthalamide) Nanofiber/nets for Ultrathin High-Efficiency Air Filter. <i>Scientific Reports</i> , 2017, 7, 40550.	3.3	90
40	Nanofibrous membrane constructed wearable triboelectric nanogenerator for high performance biomechanical energy harvesting. <i>Nano Energy</i> , 2017, 36, 341-348.	16.0	162
41	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.	2.4	22
42	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.	10.3	332
43	Optimization design of a flexible absorption device for solar energy application. <i>E-Polymers</i> , 2017, 17, 227-234.	3.0	6
44	Humidity-resisting triboelectric nanogenerator for high performance biomechanical energy harvesting. <i>Nano Energy</i> , 2017, 40, 282-288.	16.0	145
45	Sustained-release alkali source used in the oxidation degumming of ramie. <i>Textile Reseach Journal</i> , 2017, 87, 1155-1164.	2.2	27
46	Characterization and control of oxidized cellulose in ramie fibers during oxidative degumming. <i>Textile Reseach Journal</i> , 2017, 87, 1828-1840.	2.2	13
47	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.	6.2	33
48	Property of ramie fiber degummed with Fenton reagent. <i>Fibers and Polymers</i> , 2017, 18, 1891-1897.	2.1	32
49	Analysis of Structural Changes in Jute Fibers after Peracetic Acid Treatment. <i>Journal of Engineered Fibers and Fabrics</i> , 2017, 12, 155892501701200.	1.0	15
50	Structural and thermal property changes of plasticized spinning polyacrylonitrile fibers under different spinning speeds. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45267.	2.6	10
51	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.	14.9	101
52	The cellulose protection agent used in the oxidation degumming of ramie. <i>Textile Reseach Journal</i> , 2016, 86, 1109-1118.	2.2	24
53	Flexible Hierarchical ZrO ₂ Nanoparticle-Embedded SiO ₂ Nanofibrous Membrane as a Versatile Tool for Efficient Removal of Phosphate. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34668-34676.	8.0	81
54	Triboelectrification-Enabled Self-Powered Detection and Removal of Heavy Metal Ions in Wastewater. <i>Advanced Materials</i> , 2016, 28, 2983-2991.	21.0	204

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55	High-efficiency ramie fiber degumming and self-powered degumming wastewater treatment using triboelectric nanogenerator. <i>Nano Energy</i> , 2016, 22, 548-557.	16.0	132
56	Composition of ramie hemicelluloses and effect of polysaccharides on fiber properties. <i>Textile Reseach Journal</i> , 2016, 86, 451-460.	2.2	36
57	A Flexible Fiber-Based Supercapacitor-Triboelectric Nanogenerator Power System for Wearable Electronics. <i>Advanced Materials</i> , 2015, 27, 4830-4836.	21.0	322
58	An Ultrarobust High-Performance Triboelectric Nanogenerator Based on Charge Replenishment. <i>ACS Nano</i> , 2015, 9, 5577-5584.	14.6	135
59	β -cyclodextrin enhanced triboelectrification for self-powered phenol detection and electrochemical degradation. <i>Energy and Environmental Science</i> , 2015, 8, 887-896.	30.8	192
60	Eardrum-Inspired Active Sensors for Self-Powered Cardiovascular System Characterization and Throat-Attached Anti-Interference Voice Recognition. <i>Advanced Materials</i> , 2015, 27, 1316-1326.	21.0	487
61	Networks of Triboelectric Nanogenerators for Harvesting Water Wave Energy: A Potential Approach toward Blue Energy. <i>ACS Nano</i> , 2015, 9, 3324-3331.	14.6	509
62	Blow-driven triboelectric nanogenerator as an active alcohol breath analyzer. <i>Nano Energy</i> , 2015, 16, 38-46.	16.0	255
63	Ultrathin, Rollable, Paper-Based Triboelectric Nanogenerator for Acoustic Energy Harvesting and Self-Powered Sound Recording. <i>ACS Nano</i> , 2015, 9, 4236-4243.	14.6	419
64	Light-induced pyroelectric effect as an effective approach for ultrafast ultraviolet nanosensing. <i>Nature Communications</i> , 2015, 6, 8401.	12.8	261
65	Analysis of oxidized cellulose introduced into ramie fiber by oxidation degumming. <i>Textile Reseach Journal</i> , 2015, 85, 2125-2135.	2.2	34
66	Automatic Mode Transition Enabled Robust Triboelectric Nanogenerators. <i>ACS Nano</i> , 2015, 9, 12334-12343.	14.6	111
67	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.	1.9	14
68	Effect of peroxide and softness modification on properties of ramie fiber. <i>Fibers and Polymers</i> , 2014, 15, 2105-2111.	2.1	40
69	Wearable triboelectric nanogenerators constructed from electrospun nanofibers. , 0, , 8-1-8-25.		3