

# Jianhua Yan

## List of Publications by Citations

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129  
papers

7,864  
citations

49  
h-index

86  
g-index

130  
ext. papers

9,414  
ext. citations

9.4  
avg, IF

6.48  
L-index

#	Paper	IF	Citations
129	Ultralight nanofibre-assembled cellular aerogels with superelasticity and multifunctionality. <i>Nature Communications</i> , <b>2014</b> , 5, 5802	17.4	675
128	Superelastic and superhydrophobic nanofiber-assembled cellular aerogels for effective separation of oil/water emulsions. <i>ACS Nano</i> , <b>2015</b> , 9, 3791-9	16.7	522
127	Electrospun nanomaterials for ultrasensitive sensors. <i>Materials Today</i> , <b>2010</b> , 13, 16-27	21.8	502
126	Electro-spinning/netting: A strategy for the fabrication of three-dimensional polymer nano-fiber/nets. <i>Progress in Materials Science</i> , <b>2013</b> , 58, 1173-1243	42.2	375
125	Ultralight Biomass-Derived Carbonaceous Nanofibrous Aerogels with Superelasticity and High Pressure-Sensitivity. <i>Advanced Materials</i> , <b>2016</b> , 28, 9512-9518	24	310
124	Ultralight and fire-resistant ceramic nanofibrous aerogels with temperature-invariant superelasticity. <i>Science Advances</i> , <b>2018</b> , 4, eaas8925	14.3	243
123	Tunable fabrication of three-dimensional polyamide-66 nano-fiber/nets for high efficiency fine particulate filtration. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 1445-1452		153
122	Gravity driven separation of emulsified oil/water mixtures utilizing in situ polymerized superhydrophobic and superoleophilic nanofibrous membranes. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 14071	13	149
121	Capacity Fade Analysis of Sulfur Cathodes in Lithium-Sulfur Batteries. <i>Advanced Science</i> , <b>2016</b> , 3, 1600101	13.6	147
120	In situ cross-linked superwetting nanofibrous membranes for ultrafast oil/water separation. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 10137-10145	13	142
119	Carbon Nanotubes Enhanced Fluorinated Polyurethane Macroporous Membranes for Waterproof and Breathable Application. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 13538-46	9.5	139
118	Ultra-light 3D nanofibre-nets binary structured nylon 66/polyacrylonitrile membranes for efficient filtration of fine particulate matter. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 23946-23954	13	130
117	Hierarchically structured polysulfone/titania fibrous membranes with enhanced air filtration performance. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 417, 18-26	9.3	128
116	Efficient and reusable polyamide-56 nanofiber/nets membrane with bimodal structures for air filtration. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 457, 203-11	9.3	124
115	Electretted polyetherimide-silica fibrous membranes for enhanced filtration of fine particles. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 439, 12-20	9.3	124
114	Superamphiphobic nanofibrous membranes for effective filtration of fine particles. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 428, 41-8	9.3	112
113	Synthesis of mesoporous magnetic Fe <sub>3</sub> O <sub>4</sub> @carbon nanofibers utilizing in situ polymerized polybenzoxazine for water purification. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 4619		112

112	Robust Fluorine-Free Superhydrophobic Amino-Silicone Oil/SiO Modification of Electrospun Polyacrylonitrile Membranes for Waterproof-Breathable Application. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 15139-15147	9.5	107
111	Silica nanofibrous membranes with robust flexibility and thermal stability for high-efficiency fine particulate filtration. <i>RSC Advances</i> , <b>2012</b> , 2, 12216	3.7	100
110	Polyacrylonitrile/polybenzoxazine-based Fe <sub>3</sub> O <sub>4</sub> @carbon nanofibers: hierarchical porous structure and magnetic adsorption property. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 15919		96
109	3D Printing of Tunable Energy Storage Devices with Both High Areal and Volumetric Energy Densities. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1802578	21.8	93
108	Tailoring Water-Resistant and Breathable Performance of Polyacrylonitrile Nanofibrous Membranes Modified by Polydimethylsiloxane. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 27218-27226	9.5	91
107	Multifunctional flexible membranes from sponge-like porous carbon nanofibers with high conductivity. <i>Nature Communications</i> , <b>2019</b> , 10, 5584	17.4	87
106	Biomimicry via Electrospinning. <i>Critical Reviews in Solid State and Materials Sciences</i> , <b>2012</b> , 37, 94-114	10.1	84
105	Stable Confinement of Black Phosphorus Quantum Dots on Black Tin Oxide Nanotubes: A Robust, Double-Active Electrocatalyst toward Efficient Nitrogen Fixation. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 16439-16444	16.4	81
104	Carbon-Nanoplated CoS@TiO Nanofibrous Membrane: An Interface-Engineered Heterojunction for High-Efficiency Electrocatalytic Nitrogen Reduction. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 18903-18907	16.4	80
103	Environmentally Friendly and Breathable Fluorinated Polyurethane Fibrous Membranes Exhibiting Robust Waterproof Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 29302-29310	9.5	80
102	Elastic and well-aligned ceramic LLZO nanofiber based electrolytes for solid-state lithium batteries. <i>Energy Storage Materials</i> , <b>2019</b> , 23, 306-313	19.4	75
101	Highly sensitive humidity sensors based on electro-spinning/netting a polyamide 6 nano-fiber/net modified by polyethyleneimine. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 16231		75
100	Polyamide 6 composite nano-fiber/net functionalized by polyethyleneimine on quartz crystal microbalance for highly sensitive formaldehyde sensors. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 12784		75
99	Electrospun nanofibrous chitosan membranes modified with polyethyleneimine for formaldehyde detection. <i>Carbohydrate Polymers</i> , <b>2014</b> , 108, 192-9	10.3	74
98	Polymer Template Synthesis of Flexible BaTiO <sub>3</sub> Crystal Nanofibers. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1907919	15.6	72
97	Soft Zr-doped TiO Nanofibrous Membranes with Enhanced Photocatalytic Activity for Water Purification. <i>Scientific Reports</i> , <b>2017</b> , 7, 1636	4.9	70
96	High-Performance Lithium-Sulfur Batteries with a Cost-Effective Carbon Paper Electrode and High Sulfur-Loading. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 6394-6401	9.6	69
95	In situ synthesis of flexible hierarchical TiO <sub>2</sub> nanofibrous membranes with enhanced photocatalytic activity. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 22136-22144	13	68

94	Mixed Ionic and Electronic Conductor for Li-Metal Anode Protection. <i>Advanced Materials</i> , <b>2018</b> , 30, 17051-17055	10.5	68
93	Amphiphobic fluorinated polyurethane composite microfibrillar membranes with robust waterproof and breathable performances. <i>RSC Advances</i> , <b>2013</b> , 3, 2248-2255	3.7	68
92	Hierarchical Porous Structured SiO <sub>2</sub> /SnO <sub>2</sub> Nanofibrillar Membrane with Superb Flexibility for Molecular Filtration. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 18966-18976	9.5	67
91	Simultaneous visual detection and removal of lead(II) ions with pyromellitic dianhydride-grafted cellulose nanofibrillar membranes. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 18180-18189	13	66
90	Highly carbonylated cellulose nanofibrillar membranes utilizing maleic anhydride grafting for efficient lysozyme adsorption. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 15658-66	9.5	65
89	Functional modification of breathable polyacrylonitrile/polyurethane/TiO <sub>2</sub> nanofibrillar membranes with robust ultraviolet resistant and waterproof performance. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 508, 508-516	9.3	65
88	Nanoparticle decorated fibrous silica membranes exhibiting biomimetic superhydrophobicity and highly flexible properties. <i>RSC Advances</i> , <b>2011</b> , 1, 1482	3.7	61
87	Investigation of silica nanoparticle distribution in nanoporous polystyrene fibers. <i>Soft Matter</i> , <b>2011</b> , 7, 8376	3.6	59
86	Synthesis of poly(butylene succinate-co-butylene terephthalate) (PBST) copolyesters with high molecular weights via direct esterification and polycondensation. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 115, 2203-2211	2.9	59
85	Label-free ultrasensitive colorimetric detection of copper(II) ions utilizing polyaniline/polyamide-6 nano-fiber/net sensor strips. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 13345		56
84	Waterproof and breathable membranes of waterborne fluorinated polyurethane modified electrospun polyacrylonitrile fibers. <i>RSC Advances</i> , <b>2014</b> , 4, 61068-61076	3.7	55
83	Long-Life, High-Efficiency Lithium-Sulfur Battery from a Nanoassembled Cathode. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 5080-5087	9.6	54
82	Architecting a Floatable, Durable, and Scalable Steam Generator: Hydrophobic/Hydrophilic Bifunctional Structure for Solar Evaporation Enhancement. <i>Small Methods</i> , <b>2019</b> , 3, 1800176	12.8	54
81	Thermostable and nonflammable silica-polyetherimide-polyurethane nanofibrillar separators for high power lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 10551-10558	13	51
80	Nanonet-structured poly(m-phenylene isophthalamide)-polyurethane membranes with enhanced thermostability and wettability for high power lithium ion batteries. <i>RSC Advances</i> , <b>2015</b> , 5, 55478-55485	3.7	49
79	Direct Magnetic Reinforcement of Electrocatalytic ORR/OER with Electromagnetic Induction of Magnetic Catalysts. <i>Advanced Materials</i> , <b>2021</b> , 33, e2007525	24	48
78	Colorimetric strips for visual lead ion recognition utilizing polydiacetylene embedded nanofibers. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 18304-18312	13	46
77	Elastic and hierarchical porous carbon nanofibrillar membranes incorporated with NiFe <sub>2</sub> O <sub>4</sub> nanocrystals for highly efficient capacitive energy storage. <i>Nanoscale</i> , <b>2016</b> , 8, 2195-204	7.7	44

76	Novel fluorinated polyurethane decorated electrospun silica nanofibrous membranes exhibiting robust waterproof and breathable performances. <i>RSC Advances</i> , <b>2013</b> , 3, 7562	3.7	39
75	Conductive and Elastic TiO Nanofibrous Aerogels: A New Concept toward Self-Supported Electrocatalysts with Superior Activity and Durability. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 23252-23260	16.4	38
74	Novel fluorinated polybenzoxazine-silica films: chemical synthesis and superhydrophobicity. <i>RSC Advances</i> , <b>2012</b> , 2, 12804	3.7	36
73	Highly sensitive formaldehyde sensors based on polyvinylamine modified polyacrylonitrile nanofibers. <i>RSC Advances</i> , <b>2013</b> , 3, 22994	3.7	36
72	Constitution of a visual detection system for lead(II) on polydiacetylene-lycine embedded nanofibrous membranes. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 9722-9730	13	35
71	Silica nanofibrous membranes with ultra-softness and enhanced tensile strength for thermal insulation. <i>RSC Advances</i> , <b>2015</b> , 5, 6027-6032	3.7	35
70	Stable Confinement of Black Phosphorus Quantum Dots on Black Tin Oxide Nanotubes: A Robust, Double-Active Electrocatalyst toward Efficient Nitrogen Fixation. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 16591-16596	3.6	34
69	Thermally induced chemical cross-linking reinforced fluorinated polyurethane/polyacrylonitrile/polyvinyl butyral nanofibers for waterproof-breathable application. <i>RSC Advances</i> , <b>2016</b> , 6, 29629-29637	3.7	34
68	Nanofiber-Based Hydrogels: Controllable Synthesis and Multifunctional Applications. <i>Macromolecular Rapid Communications</i> , <b>2018</b> , 39, e1800058	4.8	34
67	Fluorinated polyurethane macroporous membranes with waterproof, breathable and mechanical performance improved by lithium chloride. <i>RSC Advances</i> , <b>2015</b> , 5, 79807-79814	3.7	33
66	Novel Eco-Friendly Flame Retardants Based on Nitrogen-Silicone Schiff Base and Application in Cellulose. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 290-301	8.3	33
65	Polybenzoxazine-based highly porous carbon nanofibrous membranes hybridized by tin oxide nanoclusters: durable mechanical elasticity and capacitive performance. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 7795-7804	13	33
64	Large-scale fabrication of highly aligned poly(m-phenylene isophthalamide) nanofibers with robust mechanical strength. <i>RSC Advances</i> , <b>2014</b> , 4, 45760-45767	3.7	32
63	Nickel Ferrite Nanoparticles Anchored onto Silica Nanofibers for Designing Magnetic and Flexible Nanofibrous Membranes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 20200-7	9.5	31
62	Modification of natural bamboo fibers for textile applications. <i>Fibers and Polymers</i> , <b>2011</b> , 12, 95-103	2	30
61	Constructing Ionic Gradient and Lithophilic Interphase for High-Rate Li-Metal Anode. <i>Small</i> , <b>2019</b> , 15, e1905171	11	28
60	Polyvinyl Butyral Modified Polyvinylidene Fluoride Breathable-Waterproof Nanofibrous Membranes with Enhanced Mechanical Performance. <i>Macromolecular Materials and Engineering</i> , <b>2017</b> , 302,	3.9	27
59	In Situ Synthesis of Mechanically Robust, Transparent Nanofiber-Reinforced Hydrogels for Highly Sensitive Multiple Sensing. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2103117	15.6	27

58	-Inspired Electrode with Polyaniline Decorated on Porous Heteroatom-Doped Carbon Nanofibers for Flexible Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 43634-43645	9.5	26
57	Assembly of silica aerogels within silica nanofibers: towards a super-insulating flexible hybrid aerogel membrane. <i>RSC Advances</i> , <b>2015</b> , 5, 91813-91820	3.7	25
56	Biodegradable poly(butylene succinate-co-terephthalate) nanofibrous membranes functionalized with cyclodextrin polymer for effective methylene blue adsorption. <i>RSC Advances</i> , <b>2016</b> , 6, 108240-108246	3.7	25
55	Free-standing zirconia nanofibrous membranes with robust flexibility for corrosive liquid filtration. <i>RSC Advances</i> , <b>2014</b> , 4, 2756-2763	3.7	25
54	Cobalt oxide nanoparticles embedded in flexible carbon nanofibers: attractive material for supercapacitor electrodes and CO <sub>2</sub> adsorption. <i>RSC Advances</i> , <b>2016</b> , 6, 52171-52179	3.7	25
53	Brittle-flexible-brittle transition in nanocrystalline zirconia nanofibrous membranes. <i>CrystEngComm</i> , <b>2016</b> , 18, 1139-1146	3.3	24
52	Facile Synthesis of Bimetallic Fluoride Heterojunctions on Defect-Enriched Porous Carbon Nanofibers for Efficient ORR Catalysts. <i>Nano Letters</i> , <b>2021</b> , 21, 2618-2624	11.5	24
51	Wearable biosensor for sensitive detection of uric acid in artificial sweat enabled by a fiber structured sensing interface. <i>Nano Energy</i> , <b>2021</b> , 85, 106031	17.1	24
50	Ready-to-use strip for L-ascorbic acid visual detection based on polyaniline/polyamide 66 nano-fibers/nets membranes. <i>Talanta</i> , <b>2015</b> , 144, 1146-54	6.2	23
49	Polymer nanofibre composite nonwovens with metal-like electrical conductivity. <i>Npj Flexible Electronics</i> , <b>2018</b> , 2,	10.7	23
48	Enzymatic treatment of mechanochemical modified natural bamboo fibers. <i>Fibers and Polymers</i> , <b>2012</b> , 13, 600-605	2	23
47	Solid-State Lithium Metal Batteries with Extended Cycling Enabled by Dynamic Adaptive Solid-State Interfaces. <i>Advanced Materials</i> , <b>2021</b> , 33, e2008084	24	23
46	Polymer Template Synthesis of Soft, Light, and Robust Oxide Ceramic Films. <i>IScience</i> , <b>2019</b> , 15, 185-195	6.1	21
45	Facile fabrication of fluorine-free breathable poly(methylhydrosiloxane)/polyurethane fibrous membranes with enhanced water-resistant capability. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 556, 541-548	9.3	19
44	Hierarchical porous carbon nanofibrous membranes with an enhanced shape memory property for effective adsorption of proteins. <i>RSC Advances</i> , <b>2015</b> , 5, 64318-64325	3.7	19
43	Transformation of oxide ceramic textiles from insulation to conduction at room temperature. <i>Science Advances</i> , <b>2020</b> , 6, eaay8538	14.3	19
42	Dynamic Regulation of Lithium Dendrite Growth with Electromechanical Coupling Effect of Soft BaTiO Ceramic Nanofiber Films. <i>ACS Nano</i> , <b>2021</b> , 15, 3161-3170	16.7	18
41	Self-Assembled Porous-Silica within N-Doped Carbon Nanofibers as Ultra-flexible Anodes for Soft Lithium Batteries. <i>IScience</i> , <b>2019</b> , 16, 122-132	6.1	17

40	Polymer Template Synthesis of Flexible SiO Nanofibers to Upgrade Composite Electrolytes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 31439-31447	9.5	17
39	In-situ growth of graphene on carbon nanofiber from lignin. <i>Carbon</i> , <b>2020</b> , 169, 446-454	10.4	17
38	Highly Elastic Block Copolymer Binders for Silicon Anodes in Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 38132-38139	9.5	17
37	Insights into the flexibility of ZrMxOy (M = Na, Mg, Al) nanofibrous membranes as promising infrared stealth materials. <i>Dalton Transactions</i> , <b>2016</b> , 45, 6660-6	4.3	16
36	Carbon-Nanoplated CoS@TiO2 Nanofibrous Membrane: An Interface-Engineered Heterojunction for High-Efficiency Electrocatalytic Nitrogen Reduction. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 19079-19083	3.6	14
35	Sensitive metal ion sensors based on fibrous polystyrene membranes modified by polyethyleneimine. <i>RSC Advances</i> , <b>2012</b> , 2, 1373-1378	3.7	13
34	Earthworm-Inspired Ultradurable Superhydrophobic Fabrics from Adaptive Wrinkled Skin. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 6758-6766	9.5	13
33	One-step synthesis of a macroporous Cu-g/CN nanofiber electrocatalyst for efficient oxygen reduction reaction. <i>Chemical Communications</i> , <b>2020</b> , 56, 14087-14090	5.8	12
32	Facile access to highly flexible and mesoporous structured silica fibrous membranes for tetracyclines removal. <i>Chemical Engineering Journal</i> , <b>2021</b> , 417, 129211	14.7	12
31	Self-Assembled Conductive Metal-Oxide Nanofiber Interface for Stable Li-Metal Anode. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> ,	9.5	11
30	An approach for testing and predicting longitudinal tensile modulus of 3D braided composites. <i>Journal of Reinforced Plastics and Composites</i> , <b>2014</b> , 33, 775-784	2.9	11
29	Evaluation of the availability of easy cationic dyeable copolyester fibers as electrostatic flocking piles. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 120, 195-201	2.9	10
28	The bending fatigue comparison between 3D braided rectangular composites and T-beam composites. <i>Fibers and Polymers</i> , <b>2015</b> , 16, 634-639	2	8
27	A General Strategy to Fabricate Flexible Oxide Ceramic Nanofibers with Gradient Bending-Resilience Properties. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2103989	15.6	8
26	Flexible heteroatom-doped porous carbon nanofiber cages for electrode scaffolds <b>2020</b> , 2, 472-481		8
25	Selective nucleation and targeted deposition effect of lithium in a lithium-metal host anode. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 5381-5389	13	8
24	A novel organic-inorganic flame retardant of ammonium polyphosphate chemically coated by Schiff base-containing branched polysiloxane for polyamide 6. <i>Polymers for Advanced Technologies</i> , <b>2020</b> , 31, 2763-2774	3.2	7
23	g-C3N4 encapsulated ZrO2 nanofibrous membrane decorated with CdS quantum dots: A hierarchically structured, self-supported electrocatalyst toward synergistic NH3 synthesis. <i>Nano Research</i> , <b>2021</b> , 14, 1479-1487	10	7

22	Superior Flexibility in Oxide Ceramic Crystal Nanofibers. <i>Advanced Materials</i> , <b>2021</b> , 33, e2105011	24	6
21	Fabrication of Flexible Mesoporous Black Nb O Nanofiber Films for Visible-Light-Driven Photocatalytic CO Reduction into CH <sub>4</sub> . <i>Advanced Materials</i> , <b>2022</b> , e2200756	24	6
20	Electroless Deposition of Automatically Shedded Thin Copper Foils. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 28831-28839	9.5	5
19	Surface modification of plasma-pretreated expanded poly (tetrafluoroethylene) films by graft copolymerization. <i>Surface and Interface Analysis</i> , <b>2012</b> , 44, 578-583	1.5	5
18	Hierarchical Porous Carbon Nanofibers with Tunable Geometries and Porous Structures Fabricated by a Scalable Electrospinning Technique. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 44768-44776	9.5	5
17	Effects of coagulation conditions on structure and properties of cellulose-based fibers from aqueous NaOH solvent. <i>Carbohydrate Polymers</i> , <b>2017</b> , 164, 118-126	10.3	4
16	Tailoring Nanoporous-Engineered Sponge Fiber Molecular Sieves with Ternary-Nested Architecture for Precise Molecular Separation. <i>ACS Nano</i> , <b>2021</b> ,	16.7	4
15	Coagulation studies for hydroxyethyl cellulose (HEC) in NaOH/H <sub>2</sub> O solvent. <i>Fibers and Polymers</i> , <b>2017</b> , 18, 1091-1097	2	3
14	Synthesizing Superior Flexible Oxide Perovskite Ceramic Nanofibers by Precisely Controlling Crystal Nucleation and Growth.. <i>Small</i> , <b>2022</b> , 18, e2106500	11	3
13	Tensile Stress-Gated Electromagnetic Interference Shielding Fabrics with Real-Time Adjustable Shielding Efficiency. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 13999-14005	8.3	3
12	Platinum Cluster/Carbon Quantum Dots Derived Graphene Heterostructured Carbon Nanofibers for Efficient and Durable Solar-Driven Electrochemical Hydrogen Evolution.. <i>Small Methods</i> , <b>2022</b> , e2101470	12.8	3
11	Numerical characterization and simulation of the three-dimensional tubular woven fabric. <i>Journal of Industrial Textiles</i> , <b>2018</b> , 47, 2112-2127	1.6	2
10	Conductive and Elastic TiO <sub>2</sub> Nanofibrous Aerogels: A New Concept toward Self-Supported Electrocatalysts with Superior Activity and Durability. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 23452-23460	3.6	2
9	Constructing Highly Conductive and Thermomechanical Stable Quasi-Solid Electrolytes by Self-Polymerization of Liquid Electrolytes within Porous Polyimide Nanofiber Films. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2101496	15.6	2
8	Study of yarn properties and displacement deviation of acceleration points based on the novel drafting system. <i>Journal of the Textile Institute</i> , <b>2021</b> , 112, 1-12	1.5	1
7	Facile Fabrication of Flexible Carbon Nanofiber Electrodes with Both High Packing Density and Capacity for Li-Ion Batteries. <i>Advanced Energy and Sustainability Research</i> , <b>2021</b> , 2, 2100020	1.6	1
6	Microfluidic-directed biomimetic -like microfibers based on inhomogeneous viscosity rope-coil effect. <i>Lab on A Chip</i> , <b>2021</b> , 21, 2594-2604	7.2	1
5	One-step extraction of ramie cellulose fibers and reutilization of degumming solution. <i>Textile Research Journal</i> , <b>2021</b> , 91, 004051752210868	1.7	1



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| 4 | Designing Thermomechanical Stable Gel-Polymer Electrolytes Mediated by Block-Copolymer Nanofibers for Quasi-Solid-State Lithium Batteries. <i>Advanced Energy and Sustainability Research</i> , 2200022              | 1.6 | 1 |
| 3 | Time-temperature-dependent mechanical durability analysis of short (glass) fiber-reinforced polyethylene terephthalate injection molding composites with weld line. <i>Textile Reseach Journal</i> , 004051752110698 | 1.7 | 0 |
| 2 | Flexible, self-cleaning, and high-performance ceramic nanofiber-based moist-electric generator enabled by interfacial engineering. <i>Science China Technological Sciences</i> , <b>2022</b> , 65, 450-457           | 3.5 | 0 |
| 1 | Numerical analysis and experimental investigation of a multi-principle drafting system in ring spinning. <i>Textile Reseach Journal</i> , 004051752110738  | 1.7 | 0 |