

Jianhua Yan

List of Publications by Year in descending order

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130
papers

10,895
citations

25034

57
h-index

30922

102
g-index

130
all docs

130
docs citations

130
times ranked

10300
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Ultralight nanofibre-assembled cellular aerogels with superelasticity and multifunctionality. <i>Nature Communications</i> , 2014, 5, 5802. | 12.8 | 860 |
| 2 | Superelastic and Superhydrophobic Nanofiber-Assembled Cellular Aerogels for Effective Separation of Oil/Water Emulsions. <i>ACS Nano</i> , 2015, 9, 3791-3799. | 14.6 | 612 |
| 3 | Electrospun nanomaterials for ultrasensitive sensors. <i>Materials Today</i> , 2010, 13, 16-27. | 14.2 | 562 |
| 4 | Electro-spinning/netting: A strategy for the fabrication of three-dimensional polymer nano-fiber/nets. <i>Progress in Materials Science</i> , 2013, 58, 1173-1243. | 32.8 | 440 |
| 5 | Ultralight and fire-resistant ceramic nanofibrous aerogels with temperature-invariant superelasticity. <i>Science Advances</i> , 2018, 4, eaas8925. | 10.3 | 414 |
| 6 | Ultralight Biomass-Derived Carbonaceous Nanofibrous Aerogels with Superelasticity and High Pressure-Sensitivity. <i>Advanced Materials</i> , 2016, 28, 9512-9518. | 21.0 | 405 |
| 7 | Capacity Fade Analysis of Sulfur Cathodes in Lithium-Sulfur Batteries. <i>Advanced Science</i> , 2016, 3, 1600101. | 11.2 | 213 |
| 8 | Carbon Nanotubes Enhanced Fluorinated Polyurethane Macroporous Membranes for Waterproof and Breathable Application. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 13538-13546. | 8.0 | 173 |
| 9 | Tunable fabrication of three-dimensional polyamide-66 nano-fiber/nets for high efficiency fine particulate filtration. <i>Journal of Materials Chemistry</i> , 2012, 22, 1445-1452. | 6.7 | 170 |
| 10 | Electretted polyetherimide-silica fibrous membranes for enhanced filtration of fine particles. <i>Journal of Colloid and Interface Science</i> , 2015, 439, 12-20. | 9.4 | 167 |
| 11 | Gravity driven separation of emulsified oil-water mixtures utilizing in situ polymerized superhydrophobic and superoleophilic nanofibrous membranes. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14071. | 10.3 | 165 |
| 12 | Efficient and reusable polyamide-56 nanofiber/nets membrane with bimodal structures for air filtration. <i>Journal of Colloid and Interface Science</i> , 2015, 457, 203-211. | 9.4 | 163 |
| 13 | Hierarchically structured polysulfone/titania fibrous membranes with enhanced air filtration performance. <i>Journal of Colloid and Interface Science</i> , 2014, 417, 18-26. | 9.4 | 161 |
| 14 | Direct Magnetic Reinforcement of Electrocatalytic ORR/OER with Electromagnetic Induction of Magnetic Catalysts. <i>Advanced Materials</i> , 2021, 33, e2007525. | 21.0 | 159 |
| 15 | In situ cross-linked superwetting nanofibrous membranes for ultrafast oil-water separation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10137-10145. | 10.3 | 156 |
| 16 | Ultra-light 3D nanofibre-nets binary structured nylon-polyacrylonitrile membranes for efficient filtration of fine particulate matter. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23946-23954. | 10.3 | 153 |
| 17 | Elastic and well-aligned ceramic LLZO nanofiber based electrolytes for solid-state lithium batteries. <i>Energy Storage Materials</i> , 2019, 23, 306-313. | 18.0 | 140 |
| 18 | Multifunctional flexible membranes from sponge-like porous carbon nanofibers with high conductivity. <i>Nature Communications</i> , 2019, 10, 5584. | 12.8 | 139 |

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|----|--|------|-----------|
| 19 | Superamphiphobic nanofibrous membranes for effective filtration of fine particles. <i>Journal of Colloid and Interface Science</i> , 2014, 428, 41-48. | 9.4 | 137 |
| 20 | Robust Fluorine-Free Superhydrophobic Amino-Silicone Oil/SiO ₂ Modification of Electrospun Polyacrylonitrile Membranes for Waterproof-Breathable Application. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15139-15147. | 8.0 | 136 |
| 21 | Tailoring Water-Resistant and Breathable Performance of Polyacrylonitrile Nanofibrous Membranes Modified by Polydimethylsiloxane. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 27218-27226. | 8.0 | 132 |
| 22 | 3D Printing of Tunable Energy Storage Devices with Both High Areal and Volumetric Energy Densities. <i>Advanced Energy Materials</i> , 2019, 9, 1802578. | 19.5 | 132 |
| 23 | Polymer Template Synthesis of Flexible BaTiO ₃ Crystal Nanofibers. <i>Advanced Functional Materials</i> , 2019, 29, 1907919. | 14.9 | 129 |
| 24 | Silica nanofibrous membranes with robust flexibility and thermal stability for high-efficiency fine particulate filtration. <i>RSC Advances</i> , 2012, 2, 12216. | 3.6 | 119 |
| 25 | Carbon Nanoplated CoS@TiO ₂ Nanofibrous Membrane: An Interface Engineered Heterojunction for High Efficiency Electrocatalytic Nitrogen Reduction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18903-18907. | 13.8 | 119 |
| 26 | Synthesis of mesoporous magnetic Fe ₃ O ₄ @carbon nanofibers utilizing in situ polymerized polybenzoxazine for water purification. <i>Journal of Materials Chemistry</i> , 2012, 22, 4619. | 6.7 | 118 |
| 27 | 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> , 2019, 58, 16439-16444. | 13.8 | 112 |
| 28 | Fabrication of Flexible Mesoporous Black Nb ₂ O ₅ Nanofiber Films for Visible Light Driven Photocatalytic CO ₂ Reduction into CH ₄ . <i>Advanced Materials</i> , 2022, 34, e2200756. | 21.0 | 104 |
| 29 | Polyacrylonitrile/polybenzoxazine-based Fe ₃ O ₄ @carbon nanofibers: hierarchical porous structure and magnetic adsorption property. <i>Journal of Materials Chemistry</i> , 2012, 22, 15919. | 6.7 | 102 |
| 30 | Soft Zr-doped TiO ₂ Nanofibrous Membranes with Enhanced Photocatalytic Activity for Water Purification. <i>Scientific Reports</i> , 2017, 7, 1636. | 3.3 | 101 |
| 31 | Environmentally Friendly and Breathable Fluorinated Polyurethane Fibrous Membranes Exhibiting Robust Waterproof Performance. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29302-29310. | 8.0 | 101 |
| 32 | Biomimicry via Electrospinning. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2012, 37, 94-114. | 12.3 | 100 |
| 33 | In Situ Synthesis of Mechanically Robust, Transparent Nanofiber Reinforced Hydrogels for Highly Sensitive Multiple Sensing. <i>Advanced Functional Materials</i> , 2021, 31, 2103117. | 14.9 | 100 |
| 34 | Architecting a Floatable, Durable, and Scalable Steam Generator: Hydrophobic/Hydrophilic Bifunctional Structure for Solar Evaporation Enhancement. <i>Small Methods</i> , 2019, 3, 1800176. | 8.6 | 97 |
| 35 | Hierarchical Porous Structured SiO ₂ /SnO ₂ Nanofibrous Membrane with Superb Flexibility for Molecular Filtration. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18966-18976. | 8.0 | 94 |
| 36 | Mixed Ionic and Electronic Conductor for Li Metal Anode Protection. <i>Advanced Materials</i> , 2018, 30, 1705105. | 21.0 | 92 |

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|----|---|------|-----------|
| 37 | Highly sensitive humidity sensors based on electro-spinning/netting a polyamide 6 nano-fiber/net modified by polyethyleneimine. <i>Journal of Materials Chemistry</i> , 2011, 21, 16231. | 6.7 | 89 |
| 38 | Amphiphobic fluorinated polyurethane composite microfibrrous membranes with robust waterproof and breathable performances. <i>RSC Advances</i> , 2013, 3, 2248-2255. | 3.6 | 87 |
| 39 | Conductive and Elastic TiO ₂ Nanofibrous Aerogels: A New Concept toward Self-Supported Electrocatalysts with Superior Activity and Durability. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23252-23260. | 13.8 | 87 |
| 40 | Electrospun nanofibrous chitosan membranes modified with polyethyleneimine for formaldehyde detection. <i>Carbohydrate Polymers</i> , 2014, 108, 192-199. | 10.2 | 86 |
| 41 | In situ synthesis of flexible hierarchical TiO ₂ nanofibrous membranes with enhanced photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22136-22144. | 10.3 | 86 |
| 42 | Functional modification of breathable polyacrylonitrile/polyurethane/TiO ₂ nanofibrous membranes with robust ultraviolet resistant and waterproof performance. <i>Journal of Colloid and Interface Science</i> , 2017, 508, 508-516. | 9.4 | 85 |
| 43 | Polyamide 6 composite nano-fiber/net functionalized by polyethyleneimine on quartz crystal microbalance for highly sensitive formaldehyde sensors. <i>Journal of Materials Chemistry</i> , 2011, 21, 12784. | 6.7 | 84 |
| 44 | Novel Eco-Friendly Flame Retardants Based on Nitrogen-Silicone Schiff Base and Application in Cellulose. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 290-301. | 6.7 | 83 |
| 45 | 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 |
| 46 | Simultaneous visual detection and removal of lead(II) ions with pyromellitic dianhydride-grafted cellulose nanofibrous membranes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18180-18189. | 10.3 | 81 |
| 47 | Highly Carbonylated Cellulose Nanofibrous Membranes Utilizing Maleic Anhydride Grafting for Efficient Lysozyme Adsorption. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 15658-15666. | 8.0 | 81 |
| 48 | 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> , 2010, 115, 2203-2211. | 2.6 | 78 |
| 49 | High-Performance Lithium-Sulfur Batteries with a Cost-Effective Carbon Paper Electrode and High Sulfur-Loading. <i>Chemistry of Materials</i> , 2015, 27, 6394-6401. | 6.7 | 73 |
| 50 | Facile Synthesis of Bimetallic Fluoride Heterojunctions on Defect-Enriched Porous Carbon Nanofibers for Efficient ORR Catalysts. <i>Nano Letters</i> , 2021, 21, 2618-2624. | 9.1 | 73 |
| 51 | Platinum Cluster/Carbon Quantum Dots Derived Graphene Heterostructured Carbon Nanofibers for Efficient and Durable Solar-Driven Electrochemical Hydrogen Evolution. <i>Small Methods</i> , 2022, 6, e2101470. | 8.6 | 72 |
| 52 | Nanoparticle decorated fibrous silica membranes exhibiting biomimetic superhydrophobicity and highly flexible properties. <i>RSC Advances</i> , 2011, 1, 1482. | 3.6 | 66 |
| 53 | Waterproof and breathable membranes of waterborne fluorinated polyurethane modified electrospun polyacrylonitrile fibers. <i>RSC Advances</i> , 2014, 4, 61068-61076. | 3.6 | 64 |
| 54 | Investigation of silica nanoparticle distribution in nanoporous polystyrene fibers. <i>Soft Matter</i> , 2011, 7, 8376. | 2.7 | 63 |

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|----|---|------|-----------|
| 55 | Nanonet-structured poly(m-phenylene isophthalamide)-polyurethane membranes with enhanced thermostability and wettability for high power lithium ion batteries. RSC Advances, 2015, 5, 55478-55485. | 3.6 | 62 |
| 56 | Solid-State Lithium Metal Batteries with Extended Cycling Enabled by Dynamic Adaptive Solid-State Interfaces. Advanced Materials, 2021, 33, e2008084. | 21.0 | 61 |
| 57 | Label-free ultrasensitive colorimetric detection of copper(ii) ions utilizing polyaniline/polyamide-6 nano-fiber/net sensor strips. Journal of Materials Chemistry, 2011, 21, 13345. | 6.7 | 60 |
| 58 | Colorimetric strips for visual lead ion recognition utilizing polydiacetylene embedded nanofibers. Journal of Materials Chemistry A, 2014, 2, 18304-18312. | 10.3 | 58 |
| 59 | Thermostable and nonflammable silica-polyetherimide-polyurethane nanofibrous separators for high power lithium ion batteries. Journal of Materials Chemistry A, 2015, 3, 10551-10558. | 10.3 | 58 |
| 60 | Polymer Template Synthesis of Flexible SiO ₂ Nanofibers to Upgrade Composite Electrolytes. ACS Applied Materials & Interfaces, 2020, 12, 31439-31447. | 8.0 | 58 |
| 61 | Long-Life, High-Efficiency Lithium-Sulfur Battery from a Nanoassembled Cathode. Chemistry of Materials, 2015, 27, 5080-5087. | 6.7 | 56 |
| 62 | Dynamic Regulation of Lithium Dendrite Growth with Electromechanical Coupling Effect of Soft BaTiO ₃ Ceramic Nanofiber Films. ACS Nano, 2021, 15, 3161-3170. | 14.6 | 56 |
| 63 | Elastic and hierarchical porous carbon nanofibrous membranes incorporated with NiFe ₂ O ₄ nanocrystals for highly efficient capacitive energy storage. Nanoscale, 2016, 8, 2195-2204. | 5.6 | 54 |
| 64 | Silica nanofibrous membranes with ultra-softness and enhanced tensile strength for thermal insulation. RSC Advances, 2015, 5, 6027-6032. | 3.6 | 47 |
| 65 | <i>Setaria Viridis</i> -Inspired Electrode with Polyaniline Decorated on Porous Heteroatom-Doped Carbon Nanofibers for Flexible Supercapacitors. ACS Applied Materials & Interfaces, 2020, 12, 43634-43645. | 8.0 | 47 |
| 66 | Nanofiber-Based Hydrogels: Controllable Synthesis and Multifunctional Applications. Macromolecular Rapid Communications, 2018, 39, e1800058. | 3.9 | 46 |
| 67 | Superior Flexibility in Oxide Ceramic Crystal Nanofibers. Advanced Materials, 2021, 33, e2105011. | 21.0 | 46 |
| 68 | Novel fluorinated polyurethane decorated electrospun silica nanofibrous membranes exhibiting robust waterproof and breathable performances. RSC Advances, 2013, 3, 7562. | 3.6 | 45 |
| 69 | Highly sensitive formaldehyde sensors based on polyvinylamine modified polyacrylonitrile nanofibers. RSC Advances, 2013, 3, 22994. | 3.6 | 44 |
| 70 | Constructing Ionic Gradient and Lithiophilic Interphase for High-Rate Li-Metal Anode. Small, 2019, 15, e1905171. | 10.0 | 42 |
| 71 | Stable Confinement of Black Phosphorus Quantum Dots on Black Tin Oxide Nanotubes: A Robust, Double-Active Electrocatalyst toward Efficient Nitrogen Fixation. Angewandte Chemie, 2019, 131, 16591-16596. | 2.0 | 42 |
| 72 | Thermally induced chemical cross-linking reinforced fluorinated polyurethane/polyacrylonitrile/polyvinyl butyral nanofibers for waterproof-breathable application. RSC Advances, 2016, 6, 29629-29637. | 3.6 | 41 |

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|----|--|------|-----------|
| 73 | Earthworm-Inspired Ultradurable Superhydrophobic Fabrics from Adaptive Wrinkled Skin. ACS Applied Materials & Interfaces, 2021, 13, 6758-6766. | 8.0 | 41 |
| 74 | Facile fabrication of fluorine-free breathable poly(methylhydrosiloxane)/polyurethane fibrous membranes with enhanced water-resistant capability. Journal of Colloid and Interface Science, 2019, 556, 541-548. | 9.4 | 40 |
| 75 | Novel fluorinated polybenzoxazine-silica films: chemical synthesis and superhydrophobicity. RSC Advances, 2012, 2, 12804. | 3.6 | 39 |
| 76 | Constitution of a visual detection system for lead(Pb^{2+}) on polydiacetylene-glycine embedded nanofibrous membranes. Journal of Materials Chemistry A, 2015, 3, 9722-9730. | 10.3 | 39 |
| 77 | Fluorinated polyurethane macroporous membranes with waterproof, breathable and mechanical performance improved by lithium chloride. RSC Advances, 2015, 5, 79807-79814. | 3.6 | 38 |
| 78 | Assembly of silica aerogels within silica nanofibers: towards a super-insulating flexible hybrid aerogel membrane. RSC Advances, 2015, 5, 91813-91820. | 3.6 | 38 |
| 79 | Polybenzoxazine-based highly porous carbon nanofibrous membranes hybridized by tin oxide nanoclusters: durable mechanical elasticity and capacitive performance. Journal of Materials Chemistry A, 2016, 4, 7795-7804. | 10.3 | 38 |
| 80 | Highly Elastic Block Copolymer Binders for Silicon Anodes in Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 38132-38139. | 8.0 | 38 |
| 81 | Large-scale fabrication of highly aligned poly(m-phenylene isophthalamide) nanofibers with robust mechanical strength. RSC Advances, 2014, 4, 45760-45767. | 3.6 | 36 |
| 82 | Nickel Ferrite Nanoparticles Anchored onto Silica Nanofibers for Designing Magnetic and Flexible Nanofibrous Membranes. ACS Applied Materials & Interfaces, 2015, 7, 20200-20207. | 8.0 | 36 |
| 83 | Polyvinyl Butyral Modified Polyvinylidene Fluoride Breathable-Waterproof Nanofibrous Membranes with Enhanced Mechanical Performance. Macromolecular Materials and Engineering, 2017, 302, . | 3.6 | 36 |
| 84 | Modification of natural bamboo fibers for textile applications. Fibers and Polymers, 2011, 12, 95-103. | 2.1 | 35 |
| 85 | Free-standing zirconia nanofibrous membranes with robust flexibility for corrosive liquid filtration. RSC Advances, 2014, 4, 2756-2763. | 3.6 | 34 |
| 86 | Polymer Template Synthesis of Soft, Light, and Robust Oxide Ceramic Films. IScience, 2019, 15, 185-195. | 4.1 | 34 |
| 87 | Facile access to highly flexible and mesoporous structured silica fibrous membranes for tetracyclines removal. Chemical Engineering Journal, 2021, 417, 129211. | 12.7 | 34 |
| 88 | Enzymatic treatment of mechanochemical modified natural bamboo fibers. Fibers and Polymers, 2012, 13, 600-605. | 2.1 | 33 |
| 89 | Cobalt oxide nanoparticles embedded in flexible carbon nanofibers: attractive material for supercapacitor electrodes and CO_2 adsorption. RSC Advances, 2016, 6, 52171-52179. | 3.6 | 33 |
| 90 | Biodegradable poly(butylene succinate-co-terephthalate) nanofibrous membranes functionalized with cyclodextrin polymer for effective methylene blue adsorption. RSC Advances, 2016, 6, 108240-108246. | 3.6 | 33 |

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|-----|---|------|-----------|
| 91 | Transformation of oxide ceramic textiles from insulation to conduction at room temperature. <i>Science Advances</i> , 2020, 6, eaay8538. | 10.3 | 33 |
| 92 | Tailoring Nanoporous-Engineered Sponge Fiber Molecular Sieves with Ternary-Nested Architecture for Precise Molecular Separation. <i>ACS Nano</i> , 2021, 15, 13623-13632. | 14.6 | 33 |
| 93 | Self-Assembled Porous-Silica within N-Doped Carbon Nanofibers as Ultra-flexible Anodes for Soft Lithium Batteries. <i>IScience</i> , 2019, 16, 122-132. | 4.1 | 31 |
| 94 | Brittle-flexible-brittle transition in nanocrystalline zirconia nanofibrous membranes. <i>CrystEngComm</i> , 2016, 18, 1139-1146. | 2.6 | 30 |
| 95 | In-situ growth of graphene on carbon nanofiber from lignin. <i>Carbon</i> , 2020, 169, 446-454. | 10.3 | 30 |
| 96 | Polymer nanofibre composite nonwovens with metal-like electrical conductivity. <i>Npj Flexible Electronics</i> , 2018, 2, . | 10.7 | 29 |
| 97 | Selective nucleation and targeted deposition effect of lithium in a lithium-metal host anode. <i>Journal of Materials Chemistry A</i> , 2021, 9, 5381-5389. | 10.3 | 29 |
| 98 | Hierarchical porous carbon nanofibrous membranes with an enhanced shape memory property for effective adsorption of proteins. <i>RSC Advances</i> , 2015, 5, 64318-64325. | 3.6 | 27 |
| 99 | A General Strategy to Fabricate Flexible Oxide Ceramic Nanofibers with Gradient Bending&Resilience Properties. <i>Advanced Functional Materials</i> , 2021, 31, 2103989. | 14.9 | 27 |
| 100 | Tensile Stress-Gated Electromagnetic Interference Shielding Fabrics with Real-Time Adjustable Shielding Efficiency. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 13999-14005. | 6.7 | 26 |
| 101 | Ready-to-use strip for l-ascorbic acid visual detection based on polyaniline/polyamide 66 nano-fibers/nets membranes. <i>Talanta</i> , 2015, 144, 1146-1154. | 5.5 | 25 |
| 102 | Insights into the flexibility of ZrM_xO_y (M = Na, Mg, Al) nanofibrous membranes as promising infrared stealth materials. <i>Dalton Transactions</i> , 2016, 45, 6660-6666. | 3.3 | 22 |
| 103 | Carbon&Nanoplated $CoS@TiO_2$ Nanofibrous Membrane: An Interface&Engineered Heterojunction for High&Efficiency Electrocatalytic Nitrogen Reduction. <i>Angewandte Chemie</i> , 2019, 131, 19079-19083. | 2.0 | 22 |
| 104 | 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> , 2022, 32, . | 14.9 | 22 |
| 105 | Flexible heteroatom&doped porous carbon nanofiber cages for electrode scaffolds. , 2020, 2, 472-481. | | 21 |
| 106 | g-C ₃ N ₄ encapsulated ZrO ₂ nanofibrous membrane decorated with CdS quantum dots: A hierarchically structured, self-supported electrocatalyst toward synergistic NH ₃ synthesis. <i>Nano Research</i> , 2021, 14, 1479-1487. | 10.4 | 21 |
| 107 | One-step synthesis of a macroporous $Cu^{II}g/C_3N_4$ nanofiber electrocatalyst for efficient oxygen reduction reaction. <i>Chemical Communications</i> , 2020, 56, 14087-14090. | 4.1 | 19 |
| 108 | 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> , 2020, 31, 2763-2774. | 3.2 | 18 |

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|-----|---|------|-----------|
| 109 | Self-Assembled Conductive Metal-Oxide Nanofiber Interface for Stable Li-Metal Anode. ACS Applied Materials & Interfaces, 2019, 11, 44124-44132. | 8.0 | 16 |
| 110 | Hierarchical Porous Carbon Nanofibers with Tunable Geometries and Porous Structures Fabricated by a Scalable Electrospinning Technique. ACS Applied Materials & Interfaces, 2021, 13, 44768-44776. | 8.0 | 16 |
| 111 | Synthesizing Superior Flexible Oxide Perovskite Ceramic Nanofibers by Precisely Controlling Crystal Nucleation and Growth. Small, 2022, 18, e2106500. | 10.0 | 16 |
| 112 | Sensitive metal ion sensors based on fibrous polystyrene membranes modified by polyethyleneimine. RSC Advances, 2012, 2, 1373-1378. | 3.6 | 14 |
| 113 | Evaluation of the availability of easy cationic dyeable copolyester fibers as electrostatic flocking piles. Journal of Applied Polymer Science, 2011, 120, 195-201. | 2.6 | 13 |
| 114 | An approach for testing and predicting longitudinal tensile modulus of 3D braided composites. Journal of Reinforced Plastics and Composites, 2014, 33, 775-784. | 3.1 | 12 |
| 115 | The bending fatigue comparison between 3D braided rectangular composites and T-beam composites. Fibers and Polymers, 2015, 16, 634-639. | 2.1 | 11 |
| 116 | Electroless Deposition of Automatically Shedded Thin Copper Foils. ACS Applied Materials & Interfaces, 2020, 12, 28831-28839. | 8.0 | 8 |
| 117 | Flexible, self-cleaning, and high-performance ceramic nanofiber-based moist-electric generator enabled by interfacial engineering. Science China Technological Sciences, 2022, 65, 450-457. | 4.0 | 7 |
| 118 | Surface modification of plasma-pretreated expanded poly (tetrafluoroethylene) films by graft copolymerization. Surface and Interface Analysis, 2012, 44, 578-583. | 1.8 | 6 |
| 119 | One-step extraction of ramie cellulose fibers and reutilization of degumming solution. Textile Reseach Journal, 2022, 92, 3579-3590. | 2.2 | 6 |
| 120 | Effects of coagulation conditions on structure and properties of cellulose-based fibers from aqueous NaOH solvent. Carbohydrate Polymers, 2017, 164, 118-126. | 10.2 | 5 |
| 121 | Microfluidic-directed biomimetic Bulbine torta-like microfibers based on inhomogeneous viscosity rope-coil effect. Lab on A Chip, 2021, 21, 2594-2604. | 6.0 | 5 |
| 122 | Coagulation studies for hydroxyethyl cellulose (HEC) in NaOH/H ₂ O solvent. Fibers and Polymers, 2017, 18, 1091-1097. | 2.1 | 4 |
| 123 | Numerical characterization and simulation of the three-dimensional tubular woven fabric. Journal of Industrial Textiles, 2018, 47, 2112-2127. | 2.4 | 3 |
| 124 | Conductive and Elastic TiO ₂ Nanofibrous Aerogels: A New Concept toward Self-Supported Electrocatalysts with Superior Activity and Durability. Angewandte Chemie, 2020, 132, 23452-23460. | 2.0 | 3 |
| 125 | Time-temperature-dependent mechanical durability analysis of short (glass) fiber-reinforced polyethylene terephthalate injection molding composites with weld line. Textile Reseach Journal, 2022, 92, 1923-1939. | 2.2 | 3 |
| 126 | Designing Thermomechanical Stable Gel-Polymer Electrolytes Mediated by Block-Copolymer Nanofibers for Quasi-Solid-State Lithium Batteries. Advanced Energy and Sustainability Research, 2022, 3, . | 5.8 | 3 |

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|-----|---|-----|-----------|
| 127 | 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> , 2021, 2, 2100020. | 5.8 | 2 |
| 128 | Numerical analysis and experimental investigation of a multi-principle drafting system in ring spinning. <i>Textile Reseach Journal</i> , 2022, 92, 1940-1951. | 2.2 | 1 |
| 129 | Study of yarn properties and displacement deviation of acceleration points based on the novel drafting system. <i>Journal of the Textile Institute</i> , 0, , 1-12. | 1.9 | 1 |
| 130 | Macromol. Rapid Commun. 21/2011. <i>Macromolecular Rapid Communications</i> , 2011, 32, . | 3.9 | 0 |