

Dong Wang

List of Publications by Year in descending order

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Version: 2024-02-01

174
papers

6,226
citations

70961

41
h-index

91712

69
g-index

175
all docs

175
docs citations

175
times ranked

8053
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | The recent development of efficient Earth-abundant transition-metal nanocatalysts. <i>Chemical Society Reviews</i> , 2017, 46, 816-854. | 18.7 | 458 |
| 2 | Flexible layer-structured Bi ₂ Te ₃ thermoelectric on a carbon nanotube scaffold. <i>Nature Materials</i> , 2019, 18, 62-68. | 13.3 | 316 |
| 3 | Interface Chemistry Engineering for Stable Cycling of Reduced GO/SnO ₂ Nanocomposites for Lithium Ion Battery. <i>Nano Letters</i> , 2013, 13, 1711-1716. | 4.5 | 278 |
| 4 | Stretchable Conductive Polypyrrole/Polyurethane (PPy/PU) Strain Sensor with Netlike Microcracks for Human Breath Detection. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 1313-1319. | 4.0 | 223 |
| 5 | Assembly of Metal Nanoparticles on Electrospun Nylon 6 Nanofibers by Control of Interfacial Hydrogen-Bonding Interactions. <i>Chemistry of Materials</i> , 2008, 20, 6627-6632. | 3.2 | 167 |
| 6 | Multistimulus Responsive Actuator with GO and Carbon Nanotube/PDMS Bilayer Structure for Flexible and Smart Devices. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 27215-27223. | 4.0 | 144 |
| 7 | A High-Throughput, Controllable, and Environmentally Benign Fabrication Process of Thermoplastic Nanofibers. <i>Macromolecular Materials and Engineering</i> , 2007, 292, 407-414. | 1.7 | 141 |
| 8 | A nanofiber based artificial electronic skin with high pressure sensitivity and 3D conformability. <i>Nanoscale</i> , 2016, 8, 12105-12112. | 2.8 | 141 |
| 9 | OD/2D Heterojunctions of Ti ₃ C ₂ MXene QDs/SiC as an Efficient and Robust Photocatalyst for Boosting the Visible Photocatalytic NO Pollutant Removal Ability. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 40176-40185. | 4.0 | 132 |
| 10 | MIL-100(Fe)/Ti ₃ C ₂ MXene as a Schottky Catalyst with Enhanced Photocatalytic Oxidation for Nitrogen Fixation Activities. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44249-44262. | 4.0 | 116 |
| 11 | Large-Area, Wearable, Self-Powered Pressure-Temperature Sensor Based on 3D Thermoelectric Spacer Fabric. <i>ACS Sensors</i> , 2020, 5, 2545-2554. | 4.0 | 106 |
| 12 | Wearable Fiber-Based Organic Electrochemical Transistors as a Platform for Highly Sensitive Dopamine Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13105-13113. | 4.0 | 102 |
| 13 | Continuously Producing Ultrasensitive Wearable Strain Sensor Assembled with Three-Dimensional Interpenetrating Ag Nanowires/Polyolefin Elastomer Nanofibrous Composite Yarn. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 42058-42066. | 4.0 | 91 |
| 14 | The woven fiber organic electrochemical transistors based on polypyrrole nanowires/reduced graphene oxide composites for glucose sensing. <i>Biosensors and Bioelectronics</i> , 2017, 95, 138-145. | 5.3 | 81 |
| 15 | Biocidal and Rechargeable N-Halamine Nanofibrous Membranes for Highly Efficient Water Disinfection. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 854-862. | 2.6 | 73 |
| 16 | A facile route to the production of polymeric nanofibrous aerogels for environmentally sustainable applications. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3692-3704. | 5.2 | 73 |
| 17 | Bioinspired Smart Moisture Actuators Based on Nanoscale Cellulose Materials and Porous, Hydrophilic EVOH Nanofibrous Membranes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1440-1448. | 4.0 | 73 |
| 18 | A novel hierarchically structured and highly hydrophilic poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (alcohol-co-ethylene)/poly separator. <i>Journal of Power Sources</i> , 2014, 266, 29-35. | 4.0 | 67 |

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|----|---|------|-----------|
| 19 | Hierarchically Three-Dimensional Nanofiber Based Textile with High Conductivity and Biocompatibility As a Microbial Fuel Cell Anode. <i>Environmental Science & Technology</i> , 2016, 50, 7889-7895. | 4.6 | 64 |
| 20 | A novel paper-based flexible ammonia gas sensor via silver and SWNT-PABS inkjet printing. <i>Sensors and Actuators B: Chemical</i> , 2014, 197, 308-313. | 4.0 | 63 |
| 21 | Formation and morphology of cellulose acetate butyrate (CAB)/polyolefin and CAB/polyester in situ microfibrillar and lamellar hybrid blends. <i>European Polymer Journal</i> , 2007, 43, 3587-3596. | 2.6 | 60 |
| 22 | Fabrication of ultra-light nickel/graphene composite foam with 3D interpenetrating network for high-performance electromagnetic interference shielding. <i>Composites Part B: Engineering</i> , 2020, 182, 107614. | 5.9 | 60 |
| 23 | A multifunctional metal-biopolymer coordinated double network hydrogel combined with multi-stimulus responsiveness, self-healing, shape memory and antibacterial properties. <i>Biomaterials Science</i> , 2020, 8, 3193-3201. | 2.6 | 59 |
| 24 | Natural alginate fiber-based actuator driven by water or moisture for energy harvesting and smart controller applications. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22599-22608. | 5.2 | 58 |
| 25 | Biomimetic Copper-Based Inorganic-Protein Nanoflower Assembly Constructed on the Nanoscale Fibrous Membrane with Enhanced Stability and Durability. <i>Journal of Physical Chemistry C</i> , 2016, 120, 17348-17356. | 1.5 | 55 |
| 26 | Polypyrrole (PPy) attached on porous conductive sponge derived from carbonized graphene oxide coated polyurethane (PU) and its application in pressure sensor. <i>Composites Communications</i> , 2020, 22, 100426. | 3.3 | 54 |
| 27 | Facile and Effective Coloration of Dye-Inert Carbon Fiber Fabrics with Tunable Colors and Excellent Laundering Durability. <i>ACS Nano</i> , 2017, 11, 10330-10336. | 7.3 | 53 |
| 28 | Radical Graft Polymerization of an Allyl Monomer onto Hydrophilic Polymers and Their Antibacterial Nanofibrous Membranes. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 2838-2844. | 4.0 | 52 |
| 29 | Stretchable conductive polyurethane elastomer in situ polymerized with multi-walled carbon nanotubes. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2744. | 2.7 | 52 |
| 30 | Effect of chemical treatments on transverse thermal conductivity of unidirectional abaca fiber/epoxy composite. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014, 66, 227-236. | 3.8 | 51 |
| 31 | Multi-heteroatom-doped hollow carbon nanocages from ZIF-8@CTP nanocomposites as high-performance anodes for sodium-ion batteries. <i>Composites Communications</i> , 2022, 32, 101116. | 3.3 | 51 |
| 32 | Flexible and lightweight MXene/silver nanowire/polyurethane composite foam films for highly efficient electromagnetic interference shielding and photothermal conversion. <i>Composites Science and Technology</i> , 2021, 215, 109023. | 3.8 | 50 |
| 33 | Flexible, breathable, and highly environmental-stable Ni/PPy/PET conductive fabrics for efficient electromagnetic interference shielding and wearable textile antennas. <i>Composites Part B: Engineering</i> , 2021, 215, 108752. | 5.9 | 49 |
| 34 | High performance hybrid Al ₂ O ₃ /poly(vinyl alcohol-co-ethylene) nanofibrous membrane for lithium-ion battery separator. <i>Electrochimica Acta</i> , 2015, 176, 949-955. | 2.6 | 48 |
| 35 | Noncrystalline nickel phosphide decorated poly(vinyl alcohol-co-ethylene) nanofibrous membrane for catalytic hydrogenation of p-nitrophenol. <i>Applied Catalysis B: Environmental</i> , 2016, 196, 223-231. | 10.8 | 48 |
| 36 | Ultrasensitive Wearable Pressure Sensors Assembled by Surface-Patterned Polyolefin Elastomer Nanofiber Membrane Interpenetrated with Silver Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42706-42714. | 4.0 | 47 |

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|----|--|-----|-----------|
| 37 | Activable carboxylic acid functionalized crystalline nanocellulose/PVA-co-PE composite nanofibrous membrane with enhanced adsorption for heavy metal ions. <i>Separation and Purification Technology</i> , 2017, 186, 70-77. | 3.9 | 46 |
| 38 | Layer-by-Layer Structured Nanofiber Membranes with Photoinduced Self-Cleaning Functions. <i>Journal of Physical Chemistry C</i> , 2011, 115, 6825-6832. | 1.5 | 45 |
| 39 | Facile synthesis of three-dimensional (3D) interconnecting polypyrrole (PPy) nanowires/nanofibrous textile composite electrode for high performance supercapacitors. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 101, 30-40. | 3.8 | 45 |
| 40 | In-situ polymerization of PPy/cellulose composite sponge with high elasticity and conductivity for the application of pressure sensor. <i>Composites Communications</i> , 2017, 6, 68-72. | 3.3 | 44 |
| 41 | Facile Fabrication of Conductive Graphene/Polyurethane Foam Composite and Its Application on Flexible Piezo-Resistive Sensors. <i>Polymers</i> , 2019, 11, 1289. | 2.0 | 44 |
| 42 | Amine-functionalized PVA-co-PE nanofibrous membrane as affinity membrane with high adsorption capacity for bilirubin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 150, 271-278. | 2.5 | 42 |
| 43 | Flexible and Super-Sensitive Moisture-Responsive Actuators by Dispersing Graphene Oxide into Three-Dimensional Structures of Nanofibers and Silver Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 3245-3253. | 4.0 | 42 |
| 44 | Hydrophilic PVA-co-PE nanofiber membrane functionalized with iminodiacetic acid by solid-phase synthesis for heavy metal ions removal. <i>Reactive and Functional Polymers</i> , 2014, 82, 98-102. | 2.0 | 41 |
| 45 | The poly(vinyl alcohol-co-ethylene) nanofiber/silica coated composite membranes for oil/water and oil-in-water emulsion separation. <i>Composites Communications</i> , 2018, 7, 69-73. | 3.3 | 41 |
| 46 | Photothermal and Moisture Actuator Made with Graphene Oxide and Sodium Alginate for Remotely Controllable and Programmable Intelligent Devices. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21926-21934. | 4.0 | 41 |
| 47 | Strategy of Constructing Light-Weight and Highly Compressible Graphene-Based Aerogels with an Ordered Unique Configuration for Wearable Piezoresistive Sensors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19350-19362. | 4.0 | 41 |
| 48 | Mechanically Robust and Transparent Chitosan Grafted PVA-co-PE Films with Renewable Antimicrobial Activity. <i>Macromolecular Bioscience</i> , 2017, 17, 1600304. | 2.1 | 40 |
| 49 | Nanofiber-reinforced bulk hydrogel: preparation and structural, mechanical, and biological properties. <i>Journal of Materials Chemistry B</i> , 2020, 8, 9794-9803. | 2.9 | 40 |
| 50 | A highly stretchable, breathable and thermoregulatory electronic skin based on the polyolefin elastomer nanofiber membrane. <i>Applied Surface Science</i> , 2019, 486, 249-256. | 3.1 | 39 |
| 51 | Ion sensors based on novel fiber organic electrochemical transistors for lead ion detection. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 5779-5787. | 1.9 | 38 |
| 52 | Fabrics Attached with Highly Efficient Aggregation-Induced Emission Photosensitizer: Toward Self-Antiviral Personal Protective Equipment. <i>ACS Nano</i> , 2021, 15, 13857-13870. | 7.3 | 38 |
| 53 | Controllable fabrication and properties of polypropylene nanofibers. <i>Polymer Engineering and Science</i> , 2007, 47, 1865-1872. | 1.5 | 36 |
| 54 | Controllable biotinylated poly(ethylene-co-glycidyl methacrylate) (PE-co-GMA) nanofibers to bind streptavidin-horseradish peroxidase (HRP) for potential biosensor applications. <i>European Polymer Journal</i> , 2008, 44, 2032-2039. | 2.6 | 36 |

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|----|---|-----|-----------|
| 55 | A novel high flux poly(trimethylene terephthalate) nanofiber membrane for microfiltration media. Separation and Purification Technology, 2013, 116, 199-205. | 3.9 | 35 |
| 56 | Supported growth of inorganic-organic nanoflowers on 3D hierarchically porous nanofibrous membrane for enhanced enzymatic water treatment. Journal of Hazardous Materials, 2020, 381, 120947. | 6.5 | 34 |
| 57 | Highly Accurate Wearable Piezoresistive Sensors without Tension Disturbance Based on Weaved Conductive Yarn. ACS Applied Materials & Interfaces, 2020, 12, 35638-35646. | 4.0 | 33 |
| 58 | Ice-templating of chitosan/agarose porous composite hydrogel with adjustable water-sensitive shape memory property and multi-staged degradation performance. Colloids and Surfaces B: Biointerfaces, 2020, 190, 110907. | 2.5 | 33 |
| 59 | High performance filtration nanofibrous membranes based on hydrophilic poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10, Tf 50 582 | 4.0 | 32 |
| 60 | Flexible nanofibers-reinforced silk fibroin films plasticized by glycerol. Composites Part B: Engineering, 2018, 152, 305-310. | 5.9 | 32 |
| 61 | Ag nanoparticles decorated PVA-co-PE nanofiber-based membrane with antifouling surface for highly efficient inactivation and interception of bacteria. Applied Surface Science, 2020, 506, 144664. | 3.1 | 32 |
| 62 | Polypyrrole/poly(vinyl alcohol-co-ethylene) nanofiber composites on polyethylene terephthalate substrate as flexible electric heating elements. Composites Part A: Applied Science and Manufacturing, 2016, 81, 234-242. | 3.8 | 31 |
| 63 | Surface zwitterionically functionalized PVA-co-PE nanofiber materials by click chemistry. RSC Advances, 2013, 3, 20922. | 1.7 | 30 |
| 64 | Ultra-efficient removal of NO in a MOFs-NTP synergistic process at ambient temperature. Chemical Engineering Journal, 2019, 358, 291-298. | 6.6 | 30 |
| 65 | Nanofibrous Aerogels with Vertically Aligned Microchannels for Efficient Solar Steam Generation. ACS Applied Materials & Interfaces, 2020, 12, 42686-42695. | 4.0 | 30 |
| 66 | Electrochemical synthesis of chitosan/silver nanoparticles multilayer hydrogel coating with pH-dependent controlled release capability and antibacterial property. Colloids and Surfaces B: Biointerfaces, 2021, 202, 111711. | 2.5 | 30 |
| 67 | High performance HKUST-1@PVA-co-PE/PVA hybrid hydrogel with enhanced selective adsorption. Composites Communications, 2018, 10, 36-40. | 3.3 | 29 |
| 68 | Synergistic effect on TiO ₂ doped poly (vinyl alcohol-co-ethylene) nanofibrous film for filtration and photocatalytic degradation of methylene blue. Composites Communications, 2019, 12, 112-116. | 3.3 | 29 |
| 69 | N-Halamine Polypropylene Nonwoven Fabrics with Rechargeable Antibacterial and Antiviral Functions for Medical Applications. ACS Biomaterials Science and Engineering, 2021, 7, 2329-2336. | 2.6 | 29 |
| 70 | Immobilization of Firefly Luciferase on PVA-co-PE Nanofibers Membrane as Biosensor for Bioluminescent Detection of ATP. ACS Applied Materials & Interfaces, 2015, 7, 20046-20052. | 4.0 | 27 |
| 71 | High-Performance Natural Melanin/Poly(vinyl Alcohol-co-ethylene) Nanofibers/PA6 Fiber for Twisted and Coiled Fiber-Based Actuator. Advanced Fiber Materials, 2020, 2, 64-73. | 7.9 | 27 |
| 72 | Fabrication of Tunable Submicro- or Nano-Structured Polyethylene Materials from Immiscible Blends with Cellulose Acetate Butyrate. Macromolecular Materials and Engineering, 2008, 293, 657-665. | 1.7 | 26 |

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|----|--|-----|-----------|
| 73 | Chemiluminescence biosensor for hydrogen peroxide determination by immobilizing horseradish peroxidase onto PVA-co-PE nanofiber membrane. <i>European Polymer Journal</i> , 2017, 91, 307-314. | 2.6 | 26 |
| 74 | Study on the mechanism of NO removal by plasma-adsorption catalytic process. <i>Fuel</i> , 2017, 200, 290-298. | 3.4 | 26 |
| 75 | Hydrogel degradation triggered by pH for the smart release of antibiotics to combat bacterial infection. <i>New Journal of Chemistry</i> , 2017, 41, 432-436. | 1.4 | 26 |
| 76 | Recent advances in novel aerogels through the hybrid aggregation of inorganic nanomaterials and polymeric fibers for thermal insulation. <i>Aggregate</i> , 2021, 2, e30. | 5.2 | 26 |
| 77 | Flexible supercapacitor with high energy density prepared by GO-induced porous coral-like polypyrrole (PPy)/PET non-woven fabrics. <i>Journal of Materials Science</i> , 2018, 53, 8409-8419. | 1.7 | 25 |
| 78 | In situ prepared nanosized Pt-Ag/PDA/PVA-co-PE nanofibrous membrane for highly-efficient catalytic reduction of p-nitrophenol. <i>Composites Communications</i> , 2018, 9, 11-16. | 3.3 | 25 |
| 79 | Breathable and Large Curved Area Perceptible Flexible Piezoresistive Sensors Fabricated with Conductive Nanofiber Assemblies. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 37764-37773. | 4.0 | 25 |
| 80 | Fiber organic electrochemical transistors based on multi-walled carbon nanotube and polypyrrole composites for noninvasive lactate sensing. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 7515-7524. | 1.9 | 25 |
| 81 | Handedness Inversion of Chiral 3-aminophenol Formaldehyde Resin Nanotubes Mediated by Metal Coordination. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7759-7769. | 7.2 | 25 |
| 82 | Large scale poly(vinyl alcohol-co-ethylene)/TiO ₂ hybrid nanofibrous filters with efficient fine particle filtration and repetitive-use performance. <i>RSC Advances</i> , 2015, 5, 87924-87931. | 1.7 | 24 |
| 83 | Facile fabrication of F-doped biomass carbon as high-performance anode material for potassium-ion batteries. <i>Electrochimica Acta</i> , 2021, 389, 138799. | 2.6 | 24 |
| 84 | Lattice Boltzmann Modeling of Thermal Conduction in Composites with Thermal Contact Resistance. <i>Communications in Computational Physics</i> , 2015, 17, 1037-1055. | 0.7 | 22 |
| 85 | Synergistically Improving Flexibility and Thermoelectric Performance of Composite Yarn by Continuous Ultrathin PEDOT:PSS/DMSO/Ionic Liquid Coating. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 50430-50440. | 4.0 | 22 |
| 86 | Concurrent filtration and inactivation of bacteria using poly(vinyl alcohol-co-ethylene) nanofibrous membrane facilely modified using chitosan and graphene oxide. <i>Environmental Science: Nano</i> , 2017, 4, 385-395. | 2.2 | 21 |
| 87 | Highly transparent and rollable PVA-co-PE nanofibers synergistically reinforced with epoxy film for flexible electronic devices. <i>Nanoscale</i> , 2017, 9, 19216-19226. | 2.8 | 21 |
| 88 | Synergistic improvement for mechanical, thermal and optical properties of PVA-co-PE nanofiber/epoxy composites with cellulose nanocrystals. <i>Composites Science and Technology</i> , 2020, 188, 107990. | 3.8 | 21 |
| 89 | One pot synthesis and capacitive sodium storage properties of rGO confined CoS ₂ anode materials. <i>Journal of Alloys and Compounds</i> , 2020, 813, 151598. | 2.8 | 20 |
| 90 | Recyclability of cellulose acetate butyrate (CAB) matrix for controllable and productive fabrication of thermoplastic nanofibers. <i>Carbohydrate Polymers</i> , 2011, 83, 1095-1100. | 5.1 | 19 |

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| 91 | Vancomycin-hybrid bimetallic Au/Ag composite nanoparticles: preparation of the nanoparticles and characterization of the antibacterial activity. <i>New Journal of Chemistry</i> , 2017, 41, 5276-5279. | 1.4 | 19 |
| 92 | The construction of sea urchin spines-like polypyrrole arrays on cotton-based fabric electrode via a facile electropolymerization for high performance flexible solid-state supercapacitors. <i>Electrochimica Acta</i> , 2020, 354, 136746. | 2.6 | 19 |
| 93 | Highly Permeable Polyamide Nanofiltration Membrane Mediated by an Upscalable Wet-Laid EVOH Nanofibrous Scaffold. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23142-23152. | 4.0 | 19 |
| 94 | Rational programming of polysaccharide-based double network hydrogel with heterogeneous architecture and multifunction via electrical signal/temperature triggered sequential self-assembly. <i>Composites Part B: Engineering</i> , 2021, 226, 109343. | 5.9 | 18 |
| 95 | Wire templated electrodeposition of vessel-like structured chitosan hydrogel by using a pulsed electrical signal. <i>Soft Matter</i> , 2020, 16, 9471-9478. | 1.2 | 17 |
| 96 | Fiber based organic electrochemical transistor integrated with molecularly imprinted membrane for uric acid detection. <i>Talanta</i> , 2022, 238, 123055. | 2.9 | 17 |
| 97 | A transparent PEDOT:PSS/PVA-co-PE/epoxy thermoelectric composite device with excellent flexibility and environmental stability. <i>Composites Science and Technology</i> , 2022, 218, 109153. | 3.8 | 17 |
| 98 | PVA-co-PE Nanofibrous Filter Media with Tailored Three-Dimensional Structure for High Performance and Safe Aerosol Filtration via Suspension-Drying Procedure. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 9269-9280. | 1.8 | 16 |
| 99 | Morphology evolution of polypropylene in immiscible polymer blends for fabrication of nanofibers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 921-931. | 2.4 | 15 |
| 100 | A Readily Accessible Functional Nanofibrous Membrane for High-Capacity Immobilization of Ag Nanoparticles and Ultrafast Catalysis Application. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801617. | 1.9 | 15 |
| 101 | The construction of rod-like polypyrrole network on hard magnetic porous textile anodes for microbial fuel cells with ultra-high output power density. <i>Journal of Power Sources</i> , 2019, 412, 514-519. | 4.0 | 15 |
| 102 | Superfast, Porous, and Organic Solvent-Sensitive Actuator Based on EVOH Nanofibrous Membrane and PS Microspheres. <i>Journal of Physical Chemistry C</i> , 2019, 123, 185-194. | 1.5 | 15 |
| 103 | Highly accurate fabric piezoresistive sensor with anti-interference from both high humidity and sweat based on hydrophobic non-fluoride titanium dioxide nanoparticles. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5217-5226. | 2.7 | 15 |
| 104 | Full-Textile Human Motion Detection Systems Integrated by Facile Weaving with Hierarchical Core-Shell Piezoresistive Yarns. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 52901-52911. | 4.0 | 15 |
| 105 | Woven fiber organic electrochemical transistors based on multiwalled carbon nanotube functionalized PEDOT nanowires for nondestructive detection of potassium ions. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 278, 115657. | 1.7 | 15 |
| 106 | Controlled and high throughput fabrication of poly(trimethylene terephthalate) nanofibers via melt extrusion of immiscible blends. <i>Materials Chemistry and Physics</i> , 2010, 124, 48-51. | 2.0 | 14 |
| 107 | Novel polymer blends from polyester and bio-based cellulose ester. <i>Journal of Applied Polymer Science</i> , 2011, 119, 2302-2309. | 1.3 | 14 |
| 108 | Controllable Shape Changing and Tristability of Bilayer Composite. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16881-16887. | 4.0 | 14 |

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|-----|---|-----|-----------|
| 109 | Preparation and properties of polypyrrole/polyamide 6 nanocomposite film with core-shell architecture for the high-performance flexible supercapacitor. <i>Composites Communications</i> , 2020, 22, 100468. | 3.3 | 14 |
| 110 | Highly efficient nanofibrous sterile membrane with anti-BSA/RNA-fouling surface via plasma-assisted carboxylation process. <i>Journal of Membrane Science</i> , 2020, 601, 117935. | 4.1 | 14 |
| 111 | Wearable thermoelectric 3D spacer fabric containing a photothermal ZrC layer with improved power generation efficiency. <i>Energy Conversion and Management</i> , 2021, 243, 114432. | 4.4 | 14 |
| 112 | Chiral carbon nanotubes decorated MoS ₂ nanosheets as stable anode materials for sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2021, 887, 161354. | 2.8 | 14 |
| 113 | Wide-range sensitive all-textile piezoresistive sensors assembled with biomimetic core-shell yarn via facile embroidery integration. <i>Chemical Engineering Journal</i> , 2022, 435, 135003. | 6.6 | 14 |
| 114 | Highly hydrophilic and anti-fouling cellulose thin film composite membrane based on the hierarchical poly(vinyl alcohol-co-ethylene) nanofiber substrate. <i>Cellulose</i> , 2015, 22, 2717-2727. | 2.4 | 13 |
| 115 | Durable, robust and free-standing superhydrophobic poly(vinyl alcohol-co-ethylene) nanofiber membrane. <i>Materials Letters</i> , 2016, 182, 106-109. | 1.3 | 13 |
| 116 | Featuring surface sodium storage properties of confined MoS ₂ /bacterial cellulose-derived carbon nanofibers anode. <i>Applied Surface Science</i> , 2020, 530, 147261. | 3.1 | 13 |
| 117 | Three-dimensional non-woven poly(vinyl alcohol-co-ethylene) nanofiber based polyaniline flexible electrode for high performance supercapacitor. <i>Journal of Alloys and Compounds</i> , 2017, 715, 137-145. | 2.8 | 12 |
| 118 | Modified thermal resistance networks model for transverse thermal conductivity of unidirectional fiber composite. <i>Composites Communications</i> , 2017, 6, 52-58. | 3.3 | 12 |
| 119 | Fabrication of ZrC/PVA-co-PE NF composite membranes with photo-thermal conversion for solar desalination. <i>Composites Communications</i> , 2019, 13, 151-155. | 3.3 | 12 |
| 120 | Ag nanoparticles decorated PVA-co-PE nanofibrous microfiltration membrane with antifouling surface for efficient sterilization. <i>Composites Communications</i> , 2020, 21, 100379. | 3.3 | 11 |
| 121 | Graphene Oxide/Nanofiber-Based Actuation Films with Moisture and Photothermal Stimulation Response for Remote Intelligent Control Applications. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 48179-48188. | 4.0 | 11 |
| 122 | Denitration and adsorption mechanism of heat-treated bamboo charcoal. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 6194-6200. | 3.3 | 11 |
| 123 | Wearable human-machine interaction device integrated by all-textile-based tactile sensors array via facile cross-stitch. <i>Sensors and Actuators A: Physical</i> , 2022, 333, 113240. | 2.0 | 11 |
| 124 | Novel fabrication of magnetic thermoplastic nanofibers via melt extrusion of immiscible blends. <i>Polymers for Advanced Technologies</i> , 2013, 24, 70-74. | 1.6 | 10 |
| 125 | A specially structured conductive nickel-deposited poly(ethylene terephthalate) nonwoven membrane intertwined with microbial pili-like poly(vinyl alcohol-co-ethylene) nanofibers and its application as an alcohol sensor. <i>RSC Advances</i> , 2014, 4, 40788-40793. | 1.7 | 10 |
| 126 | Hierarchical Polyamide 6 (PA6) Nanofibrous Membrane with Desired Thickness as Separator for High-Performance Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2017, 164, A1526-A1533. | 1.3 | 10 |

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|-----|--|-----|-----------|
| 127 | Ethylenediamine-assisted synthesis of microsized cobalt sulfide as advanced anode materials for sodium ion batteries. <i>Journal of Alloys and Compounds</i> , 2018, 735, 765-772. | 2.8 | 10 |
| 128 | Nanofiber-based transparent film with controllable optical transparency adjustment function for versatile bionic applications. <i>Nano Research</i> , 2022, 15, 564-572. | 5.8 | 10 |
| 129 | Gelatinase-responsive photonic crystal membrane for pathogenic bacteria detection and application in vitro health diagnosis. <i>Biosensors and Bioelectronics</i> , 2022, 202, 114013. | 5.3 | 10 |
| 130 | Graft Copolymer Elastomers with Polar Polyacrylonitrile as Semicrystalline Side Chains: Excellent Toughness and Healability. <i>Macromolecules</i> , 2020, 53, 8928-8939. | 2.2 | 9 |
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