

Zhu Meifang

List of Publications by Year in Descending Order

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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.

342
papers

13,553
citations

59
h-index

106
g-index

362
ext. papers

16,768
ext. citations

7.8
avg, IF

6.88
L-index

#	Paper	IF	Citations
342	Flexible Ceramic Fibers: Recent Development in Preparation and Application.. <i>Advanced Fiber Materials</i> , 2022 , 1-31	10.9	4
341	Homogeneous intercalated graphene/manganic oxide hybrid fiber electrode assembly by non-liquid-crystal spinning for wearable energy storage. <i>Journal of Materials Science and Technology</i> , 2022 , 97, 1-9	9.1	1
340	A baicalin-loaded coaxial nanofiber scaffold regulated inflammation and osteoclast differentiation for vascularized bone regeneration. <i>Bioactive Materials</i> , 2022 , 8, 559-572	16.7	7
339	Organic/Inorganic Hybrid Conductive Network to Enhance the Electrical Conductivity of Graphene-Hybridized Polymeric Fibers. <i>Chemistry of Materials</i> , 2022 , 34, 2049-2058	9.6	2
338	Environmental effects of stratospheric ozone depletion, UV radiation, and interactions with climate change: UNEP Environmental Effects Assessment Panel, Update 2021.. <i>Photochemical and Photobiological Sciences</i> , 2022 , 21, 275	4.2	4
337	Fibrous Aerogels for Solar Vapor Generation.. <i>Frontiers in Chemistry</i> , 2022 , 10, 843070	5	0
336	Solvation Effects on the Thermal Helix Inversion of Molecular Motors from QM/MM Calculations. <i>Chemistry</i> , 2022 , 4, 185-195	2.1	0
335	Skeletal Muscle Fibers Inspired Polymeric Actuator by Assembly of Triblock Polymers.. <i>Advanced Science</i> , 2022 , e2105764	13.6	2
334	Porous fibers of carbon decorated T-Nb2O5 nanocrystal anchored on three-dimensional rGO composites combined with rGO nanosheets as an anode for high-performance flexible sodium-ion capacitors. <i>Electrochimica Acta</i> , 2022 , 411, 140070	6.7	0
333	Ultrahigh line-capacity and flexible graphene/carbon nanotube/tin oxide fibers as sodium ion battery anodes. <i>Energy Storage Materials</i> , 2022 , 48, 35-43	19.4	7
332	Cryogenic-environment resistant, highly elastic hybrid carbon foams for pressure sensing and electromagnetic interference shielding. <i>Carbon</i> , 2022 , 193, 258-271	10.4	0
331	On-demand assembly of polymeric nanoparticles for longer-blood-circulation and disassembly in tumor for boosting sonodynamic therapy.. <i>Bioactive Materials</i> , 2022 , 18, 242-253	16.7	2
330	Supertough spontaneously self-healing polymer based on septuple dynamic bonds integrated in one chemical group. <i>Science China Chemistry</i> , 2022 , 65, 363-372	7.9	6
329	Tough, conductive hydrogels with double-network based on hydrophilic polymer assistant well-dispersed carbon nanotube for innovative force sensor. <i>Science China Technological Sciences</i> , 2022 , 65, 1160	3.5	1
328	Protein-Like Nanogel for Spinning Hierarchically Structured Artificial Spider Silk.. <i>Advanced Materials</i> , 2022 , e2201843	24	4
327	Fibers to power the future. <i>Joule</i> , 2021 , 5, 2764-2765	27.8	0
326	Biomass-Derived, Highly Conductive Aqueous Inks for Superior Electromagnetic Interference Shielding, Joule Heating, and Strain Sensing. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 57930-57942	9.5	3

325	Transforming a Sword into a Knife: Persistent Phototoxicity Inhibition and Alternative Therapeutical Activation of Highly-Photosensitive Phytochlorin. <i>ACS Nano</i> , 2021 ,	16.7	4
324	Organic/Inorganic Hybrid Fibers: Controllable Architectures for Electrochemical Energy Applications. <i>Advanced Science</i> , 2021 , 8, e2102859	13.6	11
323	Enhancing the Electrochemical Performance of Sodium-Ion Batteries by Building Optimized NiS/NiSe Heterostructures. <i>Small</i> , 2021 , 17, e2104186	11	9
322	Effectiveness and Mechanism of the Ene(amido) Group in Activating Iron for the Catalytic Asymmetric Transfer Hydrogenation of Ketones. <i>Organometallics</i> , 2021 , 40, 134-147	3.8	2
321	Integrated dynamic wet spinning of core-sheath hydrogel fibers for optical-to-brain/tissue communications. <i>National Science Review</i> , 2021 , 8, nwa209	10.8	15
320	Flame retardance enhancement of polyacrylonitrile with dimethyl vinylphosphonate. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50718	2.9	1
319	Unzipped Carbon Nanotube/Graphene Hybrid Fiber with Less Dead Volume for Ultrahigh Volumetric Energy Density Supercapacitors. <i>Advanced Functional Materials</i> , 2021 , 31, 2100195	15.6	29
318	Improving the Physical-Mechanical Property of Dental Composites by Grafting Methacrylate-Polyhedral Oligomeric Silsesquioxane onto a Filler Surface. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 1428-1437	5.5	6
317	Ligament-Inspired Tough and Anisotropic Fibrous Gel Belt with Programed Shape Deformations Dynamic Stretching. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 19291-19300	9.5	5
316	Self-Perpetuating Carbon Foam Microwave Plasma Conversion of Hydrocarbon Wastes into Useful Fuels and Chemicals. <i>Environmental Science & Technology</i> , 2021 , 55, 6239-6247	10.3	12
315	Incorporating polyacrylamide-functionalized graphene nano-additive enables pilot-scale preparation of mechanically reinforced viscose staple fiber. <i>Materials and Design</i> , 2021 , 202, 109587	8.1	0
314	Synergistic Effects of Solvent Vapor Assisted Spin-coating and Thermal Annealing on Enhancing the Carrier Mobility of Poly(3-hexylthiophene) Field-effect Transistors. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2021 , 39, 849	3.5	1
313	Strong, high stretchable and ultrasensitive SEBS/CNTs hybrid fiber for high-performance strain sensor. <i>Composites Communications</i> , 2021 , 25, 100735	6.7	14
312	Synthesis and Characterization of Methacrylate-Functionalized Betulin Derivatives as Antibacterial Comonomer for Dental Restorative Resins. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 3132-3140	5.5	5
311	High specific capacitance cotton fiber electrode enhanced with PPy and MXene by in situ hybrid polymerization. <i>International Journal of Biological Macromolecules</i> , 2021 , 181, 1063-1071	7.9	6
310	Activated Carbon Nanotube Fiber Fabric as a High-Performance Flexible Electrode for Solid-State Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 28433-28441	9.5	7
309	Size-controllable synthesis of dendritic porous silica as reinforcing fillers for dental composites. <i>Dental Materials</i> , 2021 , 37, 961-971	5.7	4
308	Ultralow Resistance Two-Stage Electrostatically Assisted Air Filtration by Polydopamine Coated PET Coarse Filter. <i>Small</i> , 2021 , 17, e2102051	11	12

307	Hierarchical Photothermal Fabrics with Low Evaporation Enthalpy as Heliotropic Evaporators for Efficient, Continuous, Salt-Free Desalination. <i>ACS Nano</i> , 2021 ,	16.7	24
306	Solid-state intramolecular motions in continuous fibers driven by ambient humidity for fluorescent sensors. <i>National Science Review</i> , 2021 , 8, nwa135	10.8	15
305	Multi-functional and highly conductive textiles with ultra-high durability through green fabrication process. <i>Chemical Engineering Journal</i> , 2021 , 406, 127140	14.7	36
304	Functional fillers for dental resin composites. <i>Acta Biomaterialia</i> , 2021 , 122, 50-65	10.8	15
303	Enantiomeric Switching of the Circularly Polarized Luminescence Processes in a Hierarchical Biomimetic System by Film Tilting. <i>ACS Nano</i> , 2021 , 15, 1397-1406	16.7	16
302	One Responsive Stone, Three Birds: Mn(III)-Hemoporphin Frameworks with Glutathione-Enhanced Degradation, MRI, and Sonodynamic Therapy. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2001463	10.1	13
301	Thermal Stability of Bio-Based Aliphatic-Semiaromatic Copolyester for Melt-Spun Fibers with Excellent Mechanical Properties. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2000498	4.8	2
300	Enabling topical and long-term anti-radical properties for percutaneous coronary intervention-related complications by incorporating TEMPOL into electrospun nanofibers. <i>Science China Materials</i> , 2021 , 64, 769-782	7.1	1
299	Heat induction in two-dimensional graphene-FeO nanohybrids for magnetic hyperthermia applications with artificial neural network modeling.. <i>RSC Advances</i> , 2021 , 11, 21702-21715	3.7	3
298	Environmental effects of stratospheric ozone depletion, UV radiation, and interactions with climate change: UNEP Environmental Effects Assessment Panel, Update 2020. <i>Photochemical and Photobiological Sciences</i> , 2021 , 20, 1-67	4.2	34
297	Smart fibers for energy conversion and storage. <i>Chemical Society Reviews</i> , 2021 , 50, 7009-7061	58.5	29
296	Host-guest chemistry of giant molecular shape amphiphiles based on POSS-PDI conjugates. <i>Nanoscale</i> , 2021 , 13, 4295-4300	7.7	3
295	Optoelectronic functional fibers: materials, fabrication, and application for smart textiles. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 439-455	7.1	8
294	Heterogeneous structured tough conductive gel fibres for stable and high-performance wearable strain sensors. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 12265-12275	13	8
293	Trap Distribution and Conductivity Synergic Optimization of High-Performance Triboelectric Nanogenerators for Self-Powered Devices. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 2566-2575	9.5	14
292	Fiber engineering of silica-based aerogels with surface specificity and regenerability for continuous removal of dye pollutants from wastewaters. <i>Microporous and Mesoporous Materials</i> , 2021 , 314, 110874	5.3	12
291	Ultrasound-Mediated Remotely Controlled Nanovaccine Delivery for Tumor Vaccination and Individualized Cancer Immunotherapy. <i>Nano Letters</i> , 2021 , 21, 1228-1237	11.5	16
290	SnO ₂ confining growth in layered graphene fibers toward superb volumetric lithium storage and flexibility. <i>Applied Surface Science</i> , 2021 , 555, 149719	6.7	2

289	Mechanically Strong and Multifunctional Hybrid Hydrogels with Ultrahigh Electrical Conductivity. <i>Advanced Functional Materials</i> , 2021 , 31, 2104536	15.6	23
288	Evaluation of a novel tilapia-skin acellular dermis matrix rationally processed for enhanced wound healing. <i>Materials Science and Engineering C</i> , 2021 , 127, 112202	8.3	5
287	Vertically symmetrical evaporator based on photothermal fabrics for efficient continuous desalination through inversion strategy. <i>Desalination</i> , 2021 , 509, 115072	10.3	9
286	A General Strategy for Efficiently Constructing Multifunctional Cluster Fillers Using a Three-Fluid Nozzle Spray Drying Technique for Dental Restoration. <i>Engineering</i> , 2021 ,	9.7	2
285	Conformally anchoring nanocatalyst onto quartz fibers enables versatile microreactor platforms for continuous-flow catalysis. <i>Science China Chemistry</i> , 2021 , 64, 1596-1604	7.9	2
284	Synthesis of Fluorinated Urchin-like Serried Hydroxyapatite with Improved Water Sorption-Solubility and Bioactivity for Dental Composites. <i>Chemical Research in Chinese Universities</i> , 2021 , 37, 1092	2.2	0
283	Ultralow Resistance Two-Stage Electrostatically Assisted Air Filtration by Polydopamine Coated PET Coarse Filter (Small 33/2021). <i>Small</i> , 2021 , 17, 2170172	11	1
282	Molecular Weight Discrete Distribution-Induced Orientation of High-Strength Copolyamide Fibers: Effects of Component Proportion and Molecular Weight. <i>Macromolecules</i> , 2021 , 54, 7529-7539	5.5	3
281	High thermal stability Cu O@OZrP micro-nano hybrids for melt-spun excellent antibacterial activity polyester fibers. <i>Journal of Materials Science and Technology</i> , 2021 , 81, 58-66	9.1	7
280	Metafabric that can cool the human body.. <i>National Science Review</i> , 2021 , 8, nwab176	10.8	
279	Scalable carbon black deposited fabric/hydrogel composites for affordable solar-driven water purification. <i>Journal of Materials Science and Technology</i> , 2021 , 106, 10-10	9.1	2
278	Core-shell structured SiO@ZrO@SiO filler for radiopacity and ultra-low shrinkage dental composite resins. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 121, 104593	4.1	4
277	Effective and biocompatible antibacterial surfaces via facile synthesis and surface modification of peptide polymers. <i>Bioactive Materials</i> , 2021 , 6, 4531-4541	16.7	11
276	Hierarchical Interface Engineering for Advanced Nanocellulosic Hybrid Aerogels with High Compressibility and Multifunctionality. <i>Advanced Functional Materials</i> , 2021 , 31, 2009349	15.6	28
275	Molecular Motions in Polymer Matrix for Microenvironment Sensing. <i>Chemical Research in Chinese Universities</i> , 2021 , 37, 90-99	2.2	3
274	A cascaded enzyme-loaded Fe-hemoporphin framework for synergistic sonodynamic-starvation therapy of tumors. <i>Nanoscale</i> , 2021 , 13, 5910-5920	7.7	3
273	3D-Printed Strong Dental Crown with Multi-Scale Ordered Architecture, High-Precision, and Bioactivity.. <i>Advanced Science</i> , 2021 , e2104001	13.6	3
272	Spider Silk-Inspired Artificial Fibers.. <i>Advanced Science</i> , 2021 , e2103965	13.6	7

271	Red Phosphorus Anchored on Nitrogen-Doped Carbon Bubble-Carbon Nanotube Network for Highly Stable and Fast-Charging Lithium-Ion Batteries. <i>Small</i> , 2021 , e2105866	11	2
270	3D-printed hydroxyapatite microspheres reinforced PLGA scaffolds for bone regeneration.. <i>Materials Science and Engineering C</i> , 2021 , 112618	8.3	5
269	Reusable Polyacrylonitrile-Sulfur Extractor of Heavy Metal Ions from Wastewater (Adv. Funct. Mater. 51/2021). <i>Advanced Functional Materials</i> , 2021 , 31, 2170381	15.6	1
268	Discovery of selection-driven genetic differences of Duroc, Landrace, and Yorkshire pig breeds by EigenGWAS and F analyses. <i>Animal Genetics</i> , 2020 , 51, 531-540	2.5	3
267	High-Performance Transparent Laminates Based on Highly Oriented Polyethylene Films. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 2458-2468	4.3	3
266	The Stabilization Effect of Backdonation Ligands on the Catalytic Reactivities of Amido-Ene(amido) Iron Catalysts in the Asymmetric Transfer Hydrogenation of Ketones. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 3103-3110	2.3	8
265	Diastereoselective Synthesis of P-Chirogenic and Atropisomeric 2,2'-Bisphosphino-1,1'-binaphthyls Enabled by Internal Phosphine Oxide Directing Groups. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8153-8159	16.4	2
264	Progress and Perspective of Antiviral Protective Material. <i>Advanced Fiber Materials</i> , 2020 , 2, 123-139	10.9	80
263	Perylene diimide derivative via ionic self-assembly: helical supramolecular structure and selective detection of ATP. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 10422-10430	7.1	4
262	Mixed-flow design for microfluidic printing of two-component polymer semiconductor systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 17551-17557	11.5	12
261	Flexible Solar Yarns with 15.7% Power Conversion Efficiency, Based on Electrospun Perovskite Composite Nanofibers. <i>Solar Rrl</i> , 2020 , 4, 2000269	7.1	15
260	Kraft lignin-based piezoresistive sensors: Effect of chemical structure on the microstructure of ultrathin carbon fibers. <i>International Journal of Biological Macromolecules</i> , 2020 , 151, 730-739	7.9	6
259	A Biomimetic-Mineralization-Inspired Hybrid Mesocrystal with Boosted Lithium Storage Properties. <i>ChemistrySelect</i> , 2020 , 5, 2240-2246	1.8	0
258	Facile and Green Strategy for Designing Ultralight, Flexible, and Multifunctional PVA Nanofiber-Based Aerogels. <i>Advanced Sustainable Systems</i> , 2020 , 4, 1900141	5.9	13
257	In-Fiber Structured Particles and Filament Arrays from the Perspective of Fluid Instabilities. <i>Advanced Fiber Materials</i> , 2020 , 2, 1-12	10.9	12
256	Fabrication of a fibrous MnO ₂ @MXene/CNT electrode for high-performance flexible supercapacitor. <i>Ceramics International</i> , 2020 , 46, 11874-11881	5.1	37
255	Melt-spun industrial super-strong polycaprolactam fiber: Effects of tie-molecules and crystal transformation. <i>Composites Part B: Engineering</i> , 2020 , 185, 107772	10	6
254	Diastereoselective Synthesis of P-Chirogenic and Atropisomeric 2,2'-Bisphosphino-1,1'-binaphthyls Enabled by Internal Phosphine Oxide Directing Groups. <i>Angewandte Chemie</i> , 2020 , 132, 8230-8236	3.6	

253	Rapid metal-free synthesis of pyridyl-functionalized conjugated microporous polymers for visible-light-driven water splitting. <i>Polymer Chemistry</i> , 2020 , 11, 3393-3397	4.9	13
252	Reactive spinning to achieve nanocomposite gel fibers: from monomer to fiber dynamically with enhanced anisotropy. <i>Materials Horizons</i> , 2020 , 7, 811-819	14.4	18
251	A simple inorganic hybrids strategy for graphene fibers fabrication with excellent electrochemical performance. <i>Journal of Power Sources</i> , 2020 , 450, 227637	8.9	21
250	Conformation Variation Induced Crystallization Enhancement of Poly(l-lactic acid) by Gluconic Derivatives. <i>Crystal Growth and Design</i> , 2020 , 20, 653-660	3.5	2
249	Conductive Self-Healing Nanocomposite Hydrogel Skin Sensors with Antifreezing and Thermoresponsive Properties. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 3068-3079	9.5	66
248	Enhanced photo-stability polyphenylene sulfide fiber via incorporation of multi-walled carbon nanotubes using exciton quenching. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 129, 105716	8.4	7
247	Surface modification of urchin-like serried hydroxyapatite with sol-gel method and its application in dental composites. <i>Composites Part B: Engineering</i> , 2020 , 182, 107621	10	13
246	Self-reinforcement of Light, Temperature-Resistant Silica Nanofibrous Aerogels with Tunable Mechanical Properties. <i>Advanced Fiber Materials</i> , 2020 , 2, 338-347	10.9	22
245	Surface Modification of ZrO Nanoparticles and Its Effects on the Properties of Dental Resin Composites.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 5300-5309	4.1	4
244	Frontispiece: Diastereoselective Synthesis of P-Chirogenic and Atropisomeric 2,2'-Bisphosphino-1,1'-binaphthyls Enabled by Internal Phosphine Oxide Directing Groups. <i>Angewandte Chemie - International Edition</i> , 2020 , 59,	16.4	1
243	Scalable microgel spinning of a three-dimensional porous graphene fiber for high-performance flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 25355-25362	13	15
242	Tough Gel-Fibers as Strain Sensors Based on Strain-Optics Conversion Induced by Anisotropic Structural Evolution. <i>Chemistry of Materials</i> , 2020 , 32, 9675-9687	9.6	6
241	Facile Synthesis of High Molecular Weight Polypeptides via Fast and Moisture Insensitive Polymerization of α -Amino Acid N-Carboxyanhydrides. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2020 , 38, 1131-1140	3.5	10
240	Conjugated Microporous Polymer Network Grafted Carbon Nanotube Fibers with Tunable Redox Activity for Efficient Flexible Wearable Energy Storage. <i>Chemistry of Materials</i> , 2020 , 32, 8276-8285	9.6	27
239	Polypyrrole-coated carbon nanotube/cotton hybrid fabric with high areal capacitance for flexible quasi-solid-state supercapacitors. <i>Energy Storage Materials</i> , 2020 , 33, 11-17	19.4	18
238	Fast Heat Transport Inside Lithium-Sulfur Batteries Promotes Their Safety and Electrochemical Performance. <i>IScience</i> , 2020 , 23, 101576	6.1	16
237	Melt Spinning of Low-Cost Activated Carbon Fiber with a Tunable Pore Structure for High-Performance Flexible Supercapacitors. <i>ACS Applied Energy Materials</i> , 2020 , 3, 9360-9368	6.1	9
236	A crosslinking alkylation strategy to construct nitrogen-enriched tetraphenylmethane-based porous organic polymers as efficient carbon dioxide and iodine adsorbents. <i>Chemical Engineering Journal</i> , 2020 , 382, 122998	14.7	35

235	Revealing the interrelation between hydrogen bonds and interfaces in graphene/PVA composites towards highly electrical conductivity. <i>Chemical Engineering Journal</i> , 2020 , 383, 123126	14.7	16
234	A novel leaf inspired hydrogel film based on fiber reinforcement as rapid steam sensor. <i>Chemical Engineering Journal</i> , 2020 , 382, 122948	14.7	13
233	A Route Toward Smart System Integration: From Fiber Design to Device Construction. <i>Advanced Materials</i> , 2020 , 32, e1902301	24	67
232	Biomedical electronics powered by solar cells. <i>Current Opinion in Biomedical Engineering</i> , 2020 , 13, 25-31	4.4	10
231	Flexible and Washable CNT-Embedded PAN Nonwoven Fabrics for Solar-Enabled Evaporation and Desalination of Seawater. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 35005-35014	9.5	96
230	Efficient Construction of SiO ₂ Colloidal Nanoparticle Clusters as Novel Fillers by a Spray-Drying Process for Dental Composites. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 18178-18186	3.9	13
229	Dental Resin Composites Reinforced by Rough Core-Shell SiO Nanoparticles with a Controllable Mesoporous Structure.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 4233-4241	4.1	3
228	Super-strong and Intrinsically Fluorescent Silkworm Silk from Carbon Nanodots Feeding. <i>Nano-Micro Letters</i> , 2019 , 11, 75	19.5	18
227	Crystal Transition Behavior and Thermal Properties of Thermal-Energy-Storage Copolymer Materials with an -Behenyl Side-Chain. <i>Polymers</i> , 2019 , 11,	4.5	4
226	Perovskite Solar Fibers: Current Status, Issues and Challenges. <i>Advanced Fiber Materials</i> , 2019 , 1, 101-125	50.9	16
225	In situ growth of Au nanoparticles on natural melanin as biocompatible and multifunctional nanoagent for efficient tumor theranostics. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 133-142	7.3	11
224	Turn-off/on fluorescent sensors for Cu ²⁺ and ATP in aqueous solution based on a tetraphenylethylene derivative. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 2640-2645	7.1	19
223	Critical insight: challenges and requirements of fibre electrodes for wearable electrochemical energy storage. <i>Energy and Environmental Science</i> , 2019 , 12, 2148-2160	35.4	85
222	Investigation of pH-responsive block glycopolymers with different structures for the delivery of doxorubicin.. <i>RSC Advances</i> , 2019 , 9, 1814-1821	3.7	6
221	Bacterial cellulose nanofibers promote stress and fidelity of 3D-printed silk based hydrogel scaffold with hierarchical pores. <i>Carbohydrate Polymers</i> , 2019 , 221, 146-156	10.3	68
220	Synthesis, Self-Assembly and Characterization of Tandem Triblock BPOSS-PDI-X Shape Amphiphiles. <i>Molecules</i> , 2019 , 24,	4.8	2
219	Intriguing anti-superbug Cu ₂ O@ZrP hybrid nanosheet with enhanced antibacterial performance and weak cytotoxicity. <i>Nano Research</i> , 2019 , 12, 1453-1460	10	23
218	The Synthesis of Urchin-Like Serried Hydroxyapatite (USHA) and its Reinforcing Effect for Dental Resin Composites. <i>Macromolecular Materials and Engineering</i> , 2019 , 304, 1800738	3.9	5

217	Multifunctional fabrics of carbon nanotube fibers. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 8790-8797	13	32
216	UV/NIR-Light-Triggered Rapid and Reversible Color Switching for Rewritable Smart Fabrics. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 13370-13379	9.5	23
215	1-D polymer ternary composites: Understanding materials interaction, percolation behaviors and mechanism toward ultra-high stretchable and super-sensitive strain sensors. <i>Science China Materials</i> , 2019 , 62, 995-1004	7.1	14
214	Heterogeneous graphene/polypyrrole multilayered microtube with enhanced capacitance. <i>Electrochimica Acta</i> , 2019 , 304, 378-385	6.7	16
213	Highly efficient photovoltaic energy storage hybrid system based on ultrathin carbon electrodes designed for a portable and flexible power source. <i>Journal of Power Sources</i> , 2019 , 422, 196-207	8.9	9
212	Integrating Nano-CuO@ZrP into In Situ Polymerized Polyethylene Terephthalate (PET) Fibers with Enhanced Mechanical Properties and Antibacterial Activities. <i>Polymers</i> , 2019 , 11,	4.5	16
211	Synthesis and characterization of size-controlled nano-CuO deposited on alpha-zirconium phosphate with excellent antibacterial property. <i>Materials Science and Engineering C</i> , 2019 , 101, 499-504	8.3	14
210	Structural control of silica aerogel fibers for methylene blue removal. <i>Science China Technological Sciences</i> , 2019 , 62, 958-964	3.5	11
209	Construction of continuous hollow silica aerogel fibers with hierarchical pores and excellent adsorption performance. <i>Microporous and Mesoporous Materials</i> , 2019 , 273, 294-296	5.3	24
208	Lithium-ion battery fiber constructed by diverse-dimensional carbon nanomaterials. <i>Journal of Materials Science</i> , 2019 , 54, 582-591	4.3	15
207	Polyethylene glycol infused acid-etched halloysite nanotubes for melt-spun polyamide-based composite phase change fibers. <i>Applied Clay Science</i> , 2019 , 182, 105249	5.2	20
206	Continuously Producing Watersteam and Concentrated Brine from Seawater by Hanging Photothermal Fabrics under Sunlight. <i>Advanced Functional Materials</i> , 2019 , 29, 1905485	15.6	84
205	Functionalization-Directed Stabilization of Hydrogen-Bonded Polymer Complex Fibers: Elasticity and Conductivity. <i>Advanced Fiber Materials</i> , 2019 , 1, 71-81	10.9	15
204	Fiber forming mechanism and reaction kinetics of novel dynamic-crosslinking-spinning for Poly(ethylene glycol) diacrylate fiber fabrication. <i>Polymer</i> , 2019 , 183, 121903	3.9	5
203	Sheath-run artificial muscles. <i>Science</i> , 2019 , 365, 150-155	33.3	120
202	Stiff/Soft Binary Synergistic Aerogels with Superflexibility and High Thermal Insulation Performance. <i>Advanced Functional Materials</i> , 2019 , 29, 1806407	15.6	61
201	Three-Dimensional Porous Carbon Nanotubes/Reduced Graphene Oxide Fiber from Rapid Phase Separation for a High-Rate All-Solid-State Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 9283-9290	9.5	53
200	Strong antibacterial dental resin composites containing cellulose nanocrystal/zinc oxide nanohybrids. <i>Journal of Dentistry</i> , 2019 , 80, 23-29	4.8	45

199	In vitro and in vivo studies of electroactive reduced graphene oxide-modified nanofiber scaffolds for peripheral nerve regeneration. <i>Acta Biomaterialia</i> , 2019 , 84, 98-113	10.8	99
198	Fabric texture design for boosting the performance of a knitted washable textile triboelectric nanogenerator as wearable power. <i>Nano Energy</i> , 2019 , 58, 375-383	17.1	70
197	Melt-spun microbial poly(3-hydroxybutyrate-co-3-hydroxyvalerate) fibers with enhanced toughness: Synergistic effect of heterogeneous nucleation, long-chain branching and drawing process. <i>International Journal of Biological Macromolecules</i> , 2019 , 122, 1136-1143	7.9	18
196	Antibacterial finishing of cotton fabrics based on thiol-maleimide click chemistry. <i>Cellulose</i> , 2018 , 25, 3179-3188	5.5	33
195	Thiol-capped Bi nanoparticles as stable and all-in-one type theranostic nanoagents for tumor imaging and thermoradiotherapy. <i>Biomaterials</i> , 2018 , 161, 279-291	15.6	81
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193	Molecular-channel driven actuator with considerations for multiple configurations and color switching. <i>Nature Communications</i> , 2018 , 9, 590	17.4	108
192	Evaluation of hydrogels for soft tissue adhesives in vitro and in vivo analyses. <i>Frontiers of Materials Science</i> , 2018 , 12, 95-104	2.5	6
191	Efficient Supercapacitor Energy Storage Using Conjugated Microporous Polymer Networks Synthesized from Buchwald-Hartwig Coupling. <i>Advanced Materials</i> , 2018 , 30, e1705710	24	160
190	Dopant-dependent crystallization and photothermal effect of Sb-doped SnO nanoparticles as stable theranostic nanoagents for tumor ablation. <i>Nanoscale</i> , 2018 , 10, 2542-2554	7.7	32
189	A biomimetic nanofiber-based triboelectric nanogenerator with an ultrahigh transfer charge density. <i>Nano Energy</i> , 2018 , 48, 464-470	17.1	38
188	A monodisperse anionic silver nanoparticles colloid: Its selective adsorption and excellent plasmon-induced photodegradation of Methylene Blue. <i>Journal of Colloid and Interface Science</i> , 2018 , 523, 98-109	9.3	23
187	Flexible poly(styrene-butadiene-styrene)/carbon nanotube fiber based vapor sensors with high sensitivity, wide detection range, and fast response. <i>Sensors and Actuators B: Chemical</i> , 2018 , 256, 896-904	8.5	35
186	Research Progress in Biomimetic Materials for Human Dental Caries Restoration 2018 , 351-363		
185	The Synergistic Effect of Organic Phosphorous/Zirconium Phosphate on Flame-Retardant Poly(lactic acid) Fiber. <i>Fibers and Polymers</i> , 2018 , 19, 812-820	2	5
184	Superior piezoresistive strain sensing behaviors of carbon nanotubes in one-dimensional polymer fiber structure. <i>Carbon</i> , 2018 , 140, 1-9	10.4	80
183	Nanoparticle-Polymer Synergies in Nanocomposite Hydrogels: From Design to Application. <i>Macromolecular Rapid Communications</i> , 2018 , 39, e1800337	4.8	58
182	Dental Restorative Resin Composites: Modification Technologies for the Matrix/Filler Interface. <i>Macromolecular Materials and Engineering</i> , 2018 , 303, 1800264	3.9	9

181	Near-Infrared-Triggered in Situ Gelation System for Repeatedly Enhanced Photothermal Brachytherapy with a Single Dose. <i>ACS Nano</i> , 2018 , 12, 9412-9422	16.7	72
180	Highly Conductive Nanocomposite Enabled by an Accordion-like Graphene Network for Flexible Heating Films and Supercapacitors. <i>ACS Applied Nano Materials</i> , 2018 , 1, 4781-4787	5.6	8
179	A bottom-up approach to design wearable and stretchable smart fibers with organic vapor sensing behaviors and energy storage properties. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 13633-13643	13	44
178	A sinusoidal alternating output of a triboelectric nanogenerator array with asymmetric-layer-based units. <i>Nanoscale</i> , 2018 , 10, 13730-13736	7.7	4
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176	Surface Self-Assembly of Functional Electroactive Nanofibers on Textile Yarns as a Facile Approach toward Super Flexible Energy Storage. <i>ACS Applied Energy Materials</i> , 2018 , 1, 377-386	6.1	34
175	Preparation of TiO ₂ /Bi ₂ WO ₆ nanostructured heterojunctions on carbon fibers as a weaveable visible-light photocatalyst/photoelectrode. <i>Environmental Science: Nano</i> , 2018 , 5, 327-337	7.1	72
174	Highly flexible and shape-persistent graphene microtube and its application in supercapacitor. <i>Carbon</i> , 2018 , 126, 419-425	10.4	21
173	Robust, hydrophilic graphene/cellulose nanocrystal fiber-based electrode with high capacitive performance and conductivity. <i>Carbon</i> , 2018 , 127, 218-227	10.4	116
172	Materials interaction in aggregation-induced emission (AIE)-based fluorescent resin for smart coatings. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 12849-12857	7.1	37
171	The morphologies and fluorescence quantum yields of perylene diimide dye-doped PS and PHVB microspheres.. <i>RSC Advances</i> , 2018 , 8, 35534-35538	3.7	2
170	Novel block glycopolymers prepared as delivery nanocarriers for controlled release of bortezomib. <i>Colloid and Polymer Science</i> , 2018 , 296, 1827-1839	2.4	9
169	The Crystallization, Melting Behaviors and Thermal Stability of Cross-linked Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) by Octavinylolactosilasesquioxane. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2018 , 36, 1353-1360	3.5	6
168	Synthesis of core-shell structured ZnO@m-SiO with excellent reinforcing effect and antimicrobial activity for dental resin composites. <i>Dental Materials</i> , 2018 , 34, 1846-1855	5.7	30
167	A 3D Printable Thermal Energy Storage Crystalline Gel Using Mask-Projection Stereolithography. <i>Polymers</i> , 2018 , 10,	4.5	8
166	Facile Synthesis of Nitrogen-Rich Porous Organic Polymers for Latent Heat Energy Storage. <i>ACS Applied Energy Materials</i> , 2018 , 1, 6535-6540	6.1	23
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159	Fabrication and gas sensing behavior of poly(3,4-ethylenedioxythiophene) coated polypropylene fiber with engineered interface. <i>Reactive and Functional Polymers</i> , 2017 , 112, 74-80	4.6	12
158	Engineering Interactions for enhanced photoluminescent properties: unique discrete dimeric packing of perylene diimides. <i>RSC Advances</i> , 2017 , 7, 6530-6537	3.7	33
157	High-power triboelectric nanogenerator prepared from electrospun mats with spongy parenchyma-like structure. <i>Nano Energy</i> , 2017 , 34, 69-75	17.1	48
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32	Facile in-situ fabrication of novel organic nanoparticle hydrogels with excellent mechanical properties. <i>Journal of Materials Chemistry</i> , 2009 , 19, 7340		61
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