

Guang Yang

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.

255
papers

9,156
citations

48
h-index

86
g-index

275
ext. papers

11,468
ext. citations

7.9
avg, IF

6.69
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 255 | Analysis of m6A Methylation Modification Patterns and Tumor Immune Microenvironment in Breast Cancer.. <i>Frontiers in Cell and Developmental Biology</i> , 2022 , 10, 785058 | 5.7 | 0 |
| 254 | In-biofilm generation of nitric oxide using a magnetically-targetable cascade-reaction container for eradication of infectious biofilms.. <i>Bioactive Materials</i> , 2022 , 14, 321-334 | 16.7 | 3 |
| 253 | Interlayered modified hydroxides for removal of graphene oxide from water: Mechanism and secondary applications. <i>Separation and Purification Technology</i> , 2022 , 284, 120305 | 8.3 | 0 |
| 252 | Hierarchical-structured bacterial cellulose/potato starch tubes as potential small-diameter vascular grafts.. <i>Carbohydrate Polymers</i> , 2022 , 281, 119034 | 10.3 | 3 |
| 251 | Reducing Nav1.6 expression attenuates the pathogenesis of Alzheimer's disease by suppressing BACE1 transcription.. <i>Aging Cell</i> , 2022 , e13593 | 9.9 | 1 |
| 250 | A Biodegradable and Recyclable Piezoelectric Sensor Based on a Molecular Ferroelectric Embedded in a Bacterial Cellulose Hydrogel.. <i>ACS Nano</i> , 2022 , | 16.7 | 9 |
| 249 | Double-lumen tube versus bronchial blocker in lymphadenectomy along the left recurrent laryngeal nerve for esophageal cancer: a propensity-matched analysis.. <i>Langenbeck's Archives of Surgery</i> , 2022 , 1 | 3.4 | |
| 248 | Biodegradable, Super-Strong, and Conductive Cellulose Macrofibers for Fabric-Based Triboelectric Nanogenerator.. <i>Nano-Micro Letters</i> , 2022 , 14, 115 | 19.5 | 6 |
| 247 | Injectable immunomodulation-based porous chitosan microspheres/HPCH hydrogel composites as a controlled drug delivery system for osteochondral regeneration.. <i>Biomaterials</i> , 2022 , 285, 121530 | 15.6 | 5 |
| 246 | Microbiome as Cancer Biomarkers 2022 , 101-148 | | 0 |
| 245 | Bacterial cellulose: Molecular regulation of biosynthesis, supramolecular assembly, and tailored structural and functional properties. <i>Progress in Materials Science</i> , 2022 , 100972 | 42.2 | 4 |
| 244 | Applications of Fungal Mycelium-Based Functional Biomaterials 2022 , 147-168 | | |
| 243 | A Hierarchical-Structured Mineralized Nanofiber Scaffold with Osteoimmunomodulatory and Osteoinductive Functions for Enhanced Alveolar Bone Regeneration. <i>Advanced Healthcare Materials</i> , 2021 , e2102236 | 10.1 | 7 |
| 242 | Immune Response to Silk Sericin-Fibroin Composites: Potential Immunogenic Elements and Alternatives for Immunomodulation. <i>Macromolecular Bioscience</i> , 2021 , e2100292 | 5.5 | 2 |
| 241 | Biobased materials for active food packaging: A review. <i>Food Hydrocolloids</i> , 2021 , 125, 107419 | 10.6 | 13 |
| 240 | Scorpion Venom Heat-Resistant Peptide Attenuates Microglia Activation and Neuroinflammation. <i>Frontiers in Pharmacology</i> , 2021 , 12, 704715 | 5.6 | 0 |
| 239 | Kinetic and Thermodynamic Characteristics of Fluoride Ions Adsorption from Solution onto the Aluminum Oxide Nanolayer of a Bacterial Cellulose-Based Composite Material. <i>Polymers</i> , 2021 , 13, | 4.5 | 1 |

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| 238 | Direct Imaging of Integrated Circuits in CPU with 60 nm Super-Resolution Optical Microscope. <i>Nano Letters</i> , 2021 , 21, 3887-3893 | 11.5 | 2 |
| 237 | XPO1 inhibition synergizes with PARP1 inhibition in small cell lung cancer by targeting nuclear transport of FOXO3a. <i>Cancer Letters</i> , 2021 , 503, 197-212 | 9.9 | 8 |
| 236 | Glucose-triggered in situ forming keratin hydrogel for the treatment of diabetic wounds. <i>Acta Biomaterialia</i> , 2021 , 125, 208-218 | 10.8 | 11 |
| 235 | Ellagic Acid Attenuates BLM-Induced Pulmonary Fibrosis via Inhibiting Wnt Signaling Pathway. <i>Frontiers in Pharmacology</i> , 2021 , 12, 639574 | 5.6 | 2 |
| 234 | Bacterial cellulose/glycolic acid/glycerol composite membrane as a system to deliver glycolic acid for anti-aging treatment. <i>Journal of Bioresources and Bioproducts</i> , 2021 , 6, 129-141 | 18.7 | 15 |
| 233 | In Situ Synthesized Selenium Nanoparticles-Decorated Bacterial Cellulose/Gelatin Hydrogel with Enhanced Antibacterial, Antioxidant, and Anti-Inflammatory Capabilities for Facilitating Skin Wound Healing. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2100402 | 10.1 | 29 |
| 232 | TEMPO-Functionalized Nanoreactors from Bottlebrush Copolymers for the Selective Oxidation of Alcohols in Water. <i>Journal of Organic Chemistry</i> , 2021 , 86, 8027-8035 | 4.2 | 7 |
| 231 | Solution-Processable Conductive Composite Hydrogels with Multiple Synergetic Networks toward Wearable Pressure/Strain Sensors. <i>ACS Sensors</i> , 2021 , 6, 2938-2951 | 9.2 | 18 |
| 230 | Transdermal Drug Delivery for Hair Regrowth. <i>Molecular Pharmaceutics</i> , 2021 , 18, 483-490 | 5.6 | 2 |
| 229 | Prevention and treatment of COVID-19: Focus on interferons, chloroquine/hydroxychloroquine, azithromycin, and vaccine. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 133, 111008 | 7.5 | 14 |
| 228 | The impact of oxidative stress damage induced by the environmental stressors on COVID-19. <i>Life Sciences</i> , 2021 , 264, 118653 | 6.8 | 19 |
| 227 | Green Metal-Based Nanoparticles Synthesized Using Medicinal Plants and Plant Phytochemicals against Multidrug-Resistant <i>Staphylococcus aureus</i> 2021 , 181-246 | | |
| 226 | Multifunctional nanoplatforms co-delivering combinatorial dual-drug for eliminating cancer multidrug resistance. <i>Theranostics</i> , 2021 , 11, 6334-6354 | 12.1 | 11 |
| 225 | Engineered multifunctional metal-phenolic nanocoatings for label-free capture and "self-release" of heterogeneous circulating tumor cells. <i>Nanoscale</i> , 2021 , 13, 16923-16931 | 7.7 | 1 |
| 224 | Recent progress in nanomedicine for enhanced cancer chemotherapy. <i>Theranostics</i> , 2021 , 11, 6370-6392 | 12.1 | 25 |
| 223 | Preparation and evaluation of ion-exchange porous polyvinyl alcohol microspheres as a potential drug delivery embolization system. <i>Materials Science and Engineering C</i> , 2021 , 121, 111889 | 8.3 | 2 |
| 222 | Synthesis and applications of fungal mycelium-based advanced functional materials. <i>Journal of Bioresources and Bioproducts</i> , 2021 , 6, 1-10 | 18.7 | 28 |
| 221 | Regorafenib-Attenuated, Bleomycin-Induced Pulmonary Fibrosis by Inhibiting the TGF- β Signaling Pathway. <i>International Journal of Molecular Sciences</i> , 2021 , 22, | 6.3 | 6 |

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| 220 | Engineering biomimetic intestinal topological features in 3D tissue models: retrospects and prospects. <i>Bio-Design and Manufacturing</i> , 2021 , 4, 568-595 | 4.7 | 5 |
| 219 | A novel epigenetic drug conjugating flavonoid and HDAC inhibitor confer suppression of acute myeloid leukemogenesis. <i>Clinical Science</i> , 2021 , 135, 1751-1765 | 6.5 | 1 |
| 218 | Development and Characterization of Yeast-Incorporated Antimicrobial Cellulose Biofilms for Edible Food Packaging Application. <i>Polymers</i> , 2021 , 13, | 4.5 | 17 |
| 217 | Immobilized thrombin on X-ray radiopaque polyvinyl alcohol/chitosan embolic microspheres for precise localization and topical blood coagulation. <i>Bioactive Materials</i> , 2021 , 6, 2105-2119 | 16.7 | 8 |
| 216 | Liposomes with Water as a pH-Responsive Functionality for Targeting of Acidic Tumor and Infection Sites. <i>Angewandte Chemie</i> , 2021 , 133, 17855-17860 | 3.6 | 2 |
| 215 | Liposomes with Water as a pH-Responsive Functionality for Targeting of Acidic Tumor and Infection Sites. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 17714-17719 | 16.4 | 11 |
| 214 | The impact of ExHp-CD (outer membrane vesicles) released from Helicobacter pylori SS1 on macrophage RAW 264.7 cells and their immunogenic potential. <i>Life Sciences</i> , 2021 , 279, 119644 | 6.8 | 2 |
| 213 | Copper (II) Ion-Modified Gold Nanoclusters as Peroxidase Mimetics for the Colorimetric Detection of Pyrophosphate. <i>Sensors</i> , 2021 , 21, | 3.8 | 1 |
| 212 | Advances in Magnetic Nanoparticle-Driven Delivery of Gene Therapies towards Prostate Cancer. <i>Journal of Nanomaterials</i> , 2021 , 2021, 1-10 | 3.2 | 0 |
| 211 | Eco-friendly and recyclable all cellulose triboelectric nanogenerator and self-powered interactive interface. <i>Nano Energy</i> , 2021 , 89, 106354 | 17.1 | 19 |
| 210 | Synergistic effect of highly aligned bacterial cellulose/gelatin membranes and electrical stimulation on directional cell migration for accelerated wound healing. <i>Chemical Engineering Journal</i> , 2021 , 424, 130563 | 14.7 | 23 |
| 209 | Bacterial cellulose-based composites for biomedical and cosmetic applications: Research progress and existing products. <i>Carbohydrate Polymers</i> , 2021 , 273, 118565 | 10.3 | 8 |
| 208 | Injectable keratin hydrogels as hemostatic and wound dressing materials. <i>Biomaterials Science</i> , 2021 , 9, 4169-4177 | 7.4 | 8 |
| 207 | Fabrication of Bacterial Cellulose-Curcumin Nanocomposite as a Novel Dressing for Partial Thickness Skin Burn. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 553037 | 5.8 | 26 |
| 206 | Effects of carbon sources on production and properties of curdlan using sp. DH-2. <i>Preparative Biochemistry and Biotechnology</i> , 2020 , 50, 857-864 | 2.4 | 3 |
| 205 | Water-stable and finasteride-loaded polyvinyl alcohol nanofibrous particles with sustained drug release for improved prostatic artery embolization - In vitro and in vivo evaluation. <i>Materials Science and Engineering C</i> , 2020 , 115, 111107 | 8.3 | 5 |
| 204 | Rapid Fabrication of Self-Healing, Conductive, and Injectable Gel as Dressings for Healing Wounds in Stretchable Parts of the Body. <i>Advanced Functional Materials</i> , 2020 , 30, 2002370 | 15.6 | 69 |
| 203 | Biopolymer-Based Microcarriers for Three-Dimensional Cell Culture and Engineered Tissue Formation. <i>International Journal of Molecular Sciences</i> , 2020 , 21, | 6.3 | 29 |

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| 202 | Nanocellulose hyperfine network achieves sustained release of berberine hydrochloride solubilized with Cyclodextrin for potential anti-infection oral administration. <i>International Journal of Biological Macromolecules</i> , 2020 , 153, 633-640 | 7.9 | 13 |
| 201 | Plays a Carcinogenic Role in Hepatocellular Carcinoma and is related to the regulation of. <i>Journal of Cancer</i> , 2020 , 11, 4917-4932 | 4.5 | 8 |
| 200 | Nanotechnology Promotes Genetic and Functional Modifications of Therapeutic T Cells Against Cancer. <i>Advanced Science</i> , 2020 , 7, 1903164 | 13.6 | 12 |
| 199 | Development of finasteride/PHBV@polyvinyl alcohol/chitosan reservoir-type microspheres as a potential embolic agent: from in vitro evaluation to animal study. <i>Biomaterials Science</i> , 2020 , 8, 2797-2813 ⁴ | 7.4 | 6 |
| 198 | Biotemplate-Mediated Green Synthesis and Applications of Nanomaterials. <i>Current Pharmaceutical Design</i> , 2020 , 26, 5819-5836 | 3.3 | 5 |
| 197 | Microencapsulation of Poorly Water-soluble Finasteride in Polyvinyl Alcohol/chitosan Microspheres as a Long-term Sustained Release System for Potential Embolization Applications. <i>Engineered Science</i> , 2020 , | 3.8 | 5 |
| 196 | Fast 4-nitrophenol Reduction Using Gelatin Hydrogel Containing Silver Nanoparticles. <i>Engineered Science</i> , 2020 , | 3.8 | 8 |
| 195 | Therapeutic Options for Treating COVID-19. <i>Engineered Science</i> , 2020 , | 3.8 | 2 |
| 194 | Combining Silk Sericin and Surface Micropatterns in Bacterial Cellulose Dressings to Control Fibrosis and Enhance Wound Healing. <i>Engineered Science</i> , 2020 , | 3.8 | 17 |
| 193 | Impact of COVID-19 on Environment Sustainability. <i>ES Energy & Environments</i> , 2020 , | 2.9 | 3 |
| 192 | Functionally modified magnetic nanoparticles for effective siRNA delivery to prostate cancer cells in vitro. <i>Journal of Biomaterials Applications</i> , 2020 , 34, 952-964 | 2.9 | 8 |
| 191 | The assembly of protein-templated gold nanoclusters for enhanced fluorescence emission and multifunctional applications. <i>Acta Biomaterialia</i> , 2020 , 101, 436-443 | 10.8 | 14 |
| 190 | TGF- β accelerates the hepatitis B virus X-induced malignant transformation of hepatic progenitor cells by upregulating miR-199a-3p. <i>Oncogene</i> , 2020 , 39, 1807-1820 | 9.2 | 5 |
| 189 | Mechanical modification of bacterial cellulose hydrogel under biaxial cyclic tension. <i>Mechanics of Materials</i> , 2020 , 142, 103272 | 3.3 | 7 |
| 188 | Regenerated keratin-encapsulated gold nanorods for chemo-photothermal synergistic therapy. <i>Materials Science and Engineering C</i> , 2020 , 117, 111340 | 8.3 | 11 |
| 187 | Phototherapy-based combination strategies for bacterial infection treatment. <i>Theranostics</i> , 2020 , 10, 12241-12262 | 12.1 | 27 |
| 186 | Superhydrophobic Liquid-Solid Contact Triboelectric Nanogenerator as a Droplet Sensor for Biomedical Applications. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 40021-40030 | 9.5 | 35 |
| 185 | Enhanced cell proliferation by electrical stimulation based on electroactive regenerated bacterial cellulose hydrogels. <i>Carbohydrate Polymers</i> , 2020 , 249, 116829 | 10.3 | 36 |

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| 184 | Deglycosylated Azithromycin Targets Transgelin to Enhance Intestinal Smooth Muscle Function. <i>IScience</i> , 2020 , 23, 101464 | 6.1 | 4 |
| 183 | Self-targeting, zwitterionic micellar dispersants enhance antibiotic killing of infectious biofilms-An intravital imaging study in mice. <i>Science Advances</i> , 2020 , 6, eabb1112 | 14.3 | 28 |
| 182 | Polyethylenimine-coated gold-magnetic nanoparticles for ADAM10 siRNA delivery in prostate cancer cells. <i>Journal of Bioactive and Compatible Polymers</i> , 2020 , 35, 504-516 | 2 | 3 |
| 181 | A Hierarchical Structured Ultrafine Fiber Device for Preventing Postoperative Recurrence and Metastasis of Breast Cancer. <i>Advanced Functional Materials</i> , 2020 , 30, 2004851 | 15.6 | 13 |
| 180 | Biodegradable and Electroactive Regenerated Bacterial Cellulose/MXene (Ti C T) Composite Hydrogel as Wound Dressing for Accelerating Skin Wound Healing under Electrical Stimulation. <i>Advanced Healthcare Materials</i> , 2020 , 9, e2000872 | 10.1 | 66 |
| 179 | Controlled Delivery of Growth Factor by Hierarchical Nanostructured Core-Shell Nanofibers for the Efficient Repair of Critical-Sized Rat Calvarial Defect. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 5758-5770 | 5.5 | 5 |
| 178 | A Time-Programmed Release of Dual Drugs from an Implantable Trilayer Structured Fiber Device for Synergistic Treatment of Breast Cancer. <i>Small</i> , 2020 , 16, e1902262 | 11 | 29 |
| 177 | A Synthetic Genetic Circuit Enables Precise Quantification of Direct Repeat Deletion in Bacteria. <i>ACS Synthetic Biology</i> , 2020 , 9, 1041-1050 | 5.7 | 1 |
| 176 | The use of bacterial polysaccharides in bioprinting. <i>Biotechnology Advances</i> , 2019 , 37, 107448 | 17.8 | 52 |
| 175 | Programmable Codelivery of Doxorubicin and Apatinib Using an Implantable Hierarchical-Structured Fiber Device for Overcoming Cancer Multidrug Resistance. <i>Small</i> , 2019 , 15, e1804397 | 11.397 | 35 |
| 174 | Cysteine-rich protein-templated silver nanoclusters as a fluorometric probe for mercury(II) detection. <i>Analytical Methods</i> , 2019 , 11, 733-738 | 3.2 | 11 |
| 173 | Antimicrobial Inks: The Anti-Infective Applications of Bioprinted Bacterial Polysaccharides. <i>Trends in Biotechnology</i> , 2019 , 37, 1155-1159 | 15.1 | 21 |
| 172 | Carbon Nanotube-Reinforced Poly(4-vinylaniline)/Polyaniline Bilayer-Grafted Bacterial Cellulose for Bioelectronic Applications. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 2160-2172 | 5.5 | 10 |
| 171 | Silk sericin-enhanced microstructured bacterial cellulose as tissue engineering scaffold towards prospective gut repair. <i>Materials Science and Engineering C</i> , 2019 , 102, 502-510 | 8.3 | 21 |
| 170 | Immunomodulation and cellular response to biomaterials: the overriding role of neutrophils in healing. <i>Materials Horizons</i> , 2019 , 6, 1122-1137 | 14.4 | 28 |
| 169 | Copper(II) ions enhance the peroxidase-like activity and stability of keratin-capped gold nanoclusters for the colorimetric detection of glucose. <i>Mikrochimica Acta</i> , 2019 , 186, 271 | 5.8 | 22 |
| 168 | Introduction to Nanocellulose 2019 , 1-20 | | 3 |
| 167 | A Therapeutic Microneedle Patch Made from Hair-Derived Keratin for Promoting Hair Regrowth. <i>ACS Nano</i> , 2019 , 13, 4354-4360 | 16.7 | 88 |

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| 166 | Synthesis, Structure, and Properties of Bacterial Cellulose 2019 , 81-113 | | 16 |
| 165 | Fabrication of magnetic core shell particles coated with phenylalanine imprinted polymer. <i>Polymer Testing</i> , 2019 , 75, 262-269 | 4.5 | 9 |
| 164 | Titanium oxide-bacterial cellulose bioadsorbent for the removal of lead ions from aqueous solution. <i>International Journal of Biological Macromolecules</i> , 2019 , 129, 965-971 | 7.9 | 38 |
| 163 | Applications and Perspectives of Cascade Reactions in Bacterial Infection Control. <i>Frontiers in Chemistry</i> , 2019 , 7, 861 | 5 | 14 |
| 162 | Poly(4-vinylaniline)/Polyaniline Bilayer-Functionalized Bacterial Cellulose for Flexible Electrochemical Biosensors. <i>Langmuir</i> , 2019 , 35, 10354-10366 | 4 | 20 |
| 161 | Exosome-encapsulated microRNAs as promising biomarkers for Alzheimer's disease. <i>Reviews in the Neurosciences</i> , 2019 , 31, 77-87 | 4.7 | 9 |
| 160 | Development of three-dimensional bacterial cellulose/chitosan scaffolds: Analysis of cell-scaffold interaction for potential application in the diagnosis of ovarian cancer. <i>International Journal of Biological Macromolecules</i> , 2019 , 137, 1050-1059 | 7.9 | 45 |
| 159 | Catechins-Modified Selenium-Doped Hydroxyapatite Nanomaterials for Improved Osteosarcoma Therapy Through Generation of Reactive Oxygen Species. <i>Frontiers in Oncology</i> , 2019 , 9, 499 | 5.3 | 22 |
| 158 | Near-infrared light switching nitric oxide nanoemitter for triple-combination therapy of multidrug resistant cancer. <i>Acta Biomaterialia</i> , 2019 , 100, 365-377 | 10.8 | 44 |
| 157 | Current trends and biomedical applications of resorbable polymers 2019 , 41-86 | | 1 |
| 156 | Targeted Drug-Loaded Chemical Probe Staining Assay to Predict Therapy Response and Function as an Independent Pathological Marker. <i>IScience</i> , 2019 , 21, 549-561 | 6.1 | 0 |
| 155 | Fabrication of Thermally Stable Graphite-Based Poly(acrylonitrile-co-acrylic acid) Composite with Impressive Antimicrobial Properties. <i>Engineered Science</i> , 2019 , | 3.8 | 9 |
| 154 | Tunable keratin hydrogel based on disulfide shuffling strategy for drug delivery and tissue engineering. <i>Journal of Colloid and Interface Science</i> , 2019 , 544, 121-129 | 9.3 | 28 |
| 153 | Histologic severity of liver cirrhosis: A key factor affecting surgical outcomes of hepatocellular carcinoma in patients with portal hypertension. <i>Asian Journal of Surgery</i> , 2019 , 42, 981-989 | 1.6 | 6 |
| 152 | Identification of Bredeny Resistant to Third-Generation Cephalosporins in Saudi Arabia. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019 , 9, 390 | 5.9 | 1 |
| 151 | Multifunctional piezoelectric elastomer composites for smart biomedical or wearable electronics. <i>Composites Part B: Engineering</i> , 2019 , 160, 595-604 | 10 | 15 |
| 150 | In situ sprayed bioresponsive immunotherapeutic gel for post-surgical cancer treatment. <i>Nature Nanotechnology</i> , 2019 , 14, 89-97 | 28.7 | 424 |
| 149 | Poly(4-vinylaniline)/polyaniline bilayer functionalized bacterial cellulose membranes as bioelectronics interfaces. <i>Carbohydrate Polymers</i> , 2019 , 204, 190-201 | 10.3 | 13 |

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|-----|---|------|-----|
| 148 | Bioprinting Living Biofilms through Optogenetic Manipulation. <i>ACS Synthetic Biology</i> , 2018 , 7, 1195-1200 | 5.7 | 33 |
| 147 | Supramolecular hydrogels based on poly (ethylene glycol)-poly (lactic acid) block copolymer micelles and β -cyclodextrin for potential injectable drug delivery system. <i>Carbohydrate Polymers</i> , 2018 , 194, 69-79 | 10.3 | 45 |
| 146 | Fluorescence enhancement of cysteine-rich protein-templated gold nanoclusters using silver(I) ions and its sensing application for mercury(II). <i>Sensors and Actuators B: Chemical</i> , 2018 , 267, 342-350 | 8.5 | 48 |
| 145 | Flavonoids from <i>Mirabilis himalaica</i> . <i>Phytotherapy</i> , 2018 , 127, 89-95 | 3.2 | 5 |
| 144 | Dehydration of bacterial cellulose and the water content effects on its viscoelastic and electrochemical properties. <i>Science and Technology of Advanced Materials</i> , 2018 , 19, 203-211 | 7.1 | 35 |
| 143 | Three-dimensional printing of alginate-gelatin-agar scaffolds using free-form motor assisted microsyringe extrusion system. <i>Journal of Polymer Research</i> , 2018 , 25, 1 | 2.7 | 25 |
| 142 | Reverse Reconstruction and Bioprinting of Bacterial Cellulose-Based Functional Total Intervertebral Disc for Therapeutic Implantation. <i>Small</i> , 2018 , 14, 1702582 | 11 | 33 |
| 141 | Fabrication of nanocomposites and hybrid materials using microbial biotemplates. <i>Advanced Composites and Hybrid Materials</i> , 2018 , 1, 79-93 | 8.7 | 19 |
| 140 | Understanding piezoelectric characteristics of PHEMA-based hydrogel nanocomposites as soft self-powered electronics. <i>Advanced Composites and Hybrid Materials</i> , 2018 , 1, 320-331 | 8.7 | 18 |
| 139 | Ultra-thin bacterial cellulose/poly(ethylenedioxythiophene) nanofibers paper electrodes for all-solid-state flexible supercapacitors. <i>Electrochimica Acta</i> , 2018 , 271, 624-631 | 6.7 | 30 |
| 138 | Bioprinting and its applications in tissue engineering and regenerative medicine. <i>International Journal of Biological Macromolecules</i> , 2018 , 107, 261-275 | 7.9 | 172 |
| 137 | Comparative study of keratine and keratose based composite nanofibers for biomedical applications. <i>Materials Science and Engineering C</i> , 2018 , 83, 1-8 | 8.3 | 23 |
| 136 | Small Unnatural Amino Acid Carried Raman Tag for Molecular Imaging of Genetically Targeted Proteins. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 4679-4685 | 6.4 | 25 |
| 135 | Cancer hallmarks and malignancy features: Gateway for improved targeted drug delivery. <i>Biotechnology Advances</i> , 2018 , 36, 1928-1945 | 17.8 | 25 |
| 134 | Current Trends and Potential Applications of Microbial Interactions for Human Welfare. <i>Frontiers in Microbiology</i> , 2018 , 9, 1156 | 5.7 | 53 |
| 133 | Introduction to Science and Engineering Principles for the Development of Bioinspired Materials 2018 , 1-16 | | |
| 132 | Silk Proteins 2018 , 185-199 | | |
| 131 | Self-assembly of Polylactic Acid-based Amphiphilic Block Copolymers and Their Application in the Biomedical Field 2018 , 119-129 | | |

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| 130 | Electroconductive Bioscaffolds for 2D and 3D Cell Culture 2018 , 131-147 | | |
| 129 | Keratin-Templated Synthesis of Metallic Oxide Nanoparticles as MRI Contrast Agents and Drug Carriers. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 26039-26045 | 9.5 | 28 |
| 128 | Enhanced electrocaloric effect in lead-free organic and inorganic relaxor ferroelectric composites near room temperature. <i>Applied Physics Letters</i> , 2018 , 112, 193902 | 3.4 | 17 |
| 127 | Current Challenges of Cancer Anti-angiogenic Therapy and the Promise of Nanotherapeutics. <i>Theranostics</i> , 2018 , 8, 533-548 | 12.1 | 119 |
| 126 | Amphiphilic core-shell nanoparticles: Synthesis, biophysical properties, and applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 172, 68-81 | 6 | 26 |
| 125 | Surface engineering of microbial cells: Strategies and applications. <i>Engineered Science</i> , 2018 , | 3.8 | 9 |
| 124 | Fabrication of pH-electroactive Bacterial Cellulose/Polyaniline Hydrogel for the Development of a Controlled Drug Release System. <i>ES Materials & Manufacturing</i> , 2018 , | 3.7 | 35 |
| 123 | Encapsulation of E. coli in biomimetic and FeO-doped hydrogel: structural and viability analyses. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 933-944 | 5.7 | 14 |
| 122 | Mechanistic understanding of the relationships between molecular structure and emulsification properties of octenyl succinic anhydride (OSA) modified starches. <i>Food Hydrocolloids</i> , 2018 , 74, 168-175 | 10.6 | 32 |
| 121 | Graphene Sheets: Planar Alignment of Graphene Sheets by a Rotating Magnetic Field for Full Exploitation of Graphene as a 2D Material (Adv. Funct. Mater. 46/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870330 | 15.6 | |
| 120 | Ion Pair Integrated Organic-Inorganic Hybrid Electrolyte Network for Solid-State Lithium Ion Batteries. <i>Energy Technology</i> , 2018 , 6, 2319-2325 | 3.5 | 7 |
| 119 | Salidroside improves the hypoxic tumor microenvironment and reverses the drug resistance of platinum drugs via HIF-1 β signaling pathway. <i>EBioMedicine</i> , 2018 , 38, 25-36 | 8.8 | 25 |
| 118 | Planar Alignment of Graphene Sheets by a Rotating Magnetic Field for Full Exploitation of Graphene as a 2D Material. <i>Advanced Functional Materials</i> , 2018 , 28, 1805255 | 15.6 | 20 |
| 117 | Near-resonance enhanced label-free stimulated Raman scattering microscopy with spatial resolution near 130 nm. <i>Light: Science and Applications</i> , 2018 , 7, 81 | 16.7 | 36 |
| 116 | Porous chitosan microspheres as microcarriers for 3D cell culture. <i>Carbohydrate Polymers</i> , 2018 , 202, 611-620 | 10.3 | 35 |
| 115 | Bacterial Cellulose as a Supersoft Neural Interfacing Substrate. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 33049-33059 | 9.5 | 32 |
| 114 | Challenges associated with ceftriaxone resistance in Salmonella. <i>Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences</i> , 2018 , 11, 26-34 | 0.7 | 6 |
| 113 | Dielectric materials for high-temperature capacitors. <i>IET Nanodielectrics</i> , 2018 , 1, 32-40 | 2.8 | 79 |

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| 112 | Fabrication of bacterial cellulose/polyaniline/single-walled carbon nanotubes membrane for potential application as biosensor. <i>Carbohydrate Polymers</i> , 2017 , 163, 62-69 | 10.3 | 91 |
| 111 | Comparison of fracture properties of cellulose nanopaper, printing paper and buckypaper. <i>Journal of Materials Science</i> , 2017 , 52, 9508-9519 | 4.3 | 32 |
| 110 | The Fragment HMGA2-sh-3p20 from HMGA2 mRNA 3'UTR Promotes the Growth of Hepatoma Cells by Upregulating HMGA2. <i>Scientific Reports</i> , 2017 , 7, 2070 | 4.9 | 7 |
| 109 | Nanocomposites: High-Energy-Density Dielectric Polymer Nanocomposites with Trilayered Architecture (Adv. Funct. Mater. 20/2017). <i>Advanced Functional Materials</i> , 2017 , 27, | 15.6 | 1 |
| 108 | Composites of Bacterial Cellulose and Small Molecule-Decorated Gold Nanoparticles for Treating Gram-Negative Bacteria-Infected Wounds. <i>Small</i> , 2017 , 13, 1700130 | 11 | 76 |
| 107 | Pharmaceutical Intermediate-Modified Gold Nanoparticles: Against Multidrug-Resistant Bacteria and Wound-Healing Application via an Electrospun Scaffold. <i>ACS Nano</i> , 2017 , 11, 5737-5745 | 16.7 | 232 |
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