

Guang Yang

List of Publications by Year in descending order

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Version: 2024-02-01

261
papers

14,143
citations

20759

60
h-index

28224

105
g-index

275
all docs

275
docs citations

275
times ranked

15950
citing authors

#	ARTICLE	IF	CITATIONS
1	In situ sprayed bioresponsive immunotherapeutic gel for post-surgical cancer treatment. <i>Nature Nanotechnology</i> , 2019, 14, 89-97.	15.6	725
2	Utilization of bacterial cellulose in food. <i>Food Hydrocolloids</i> , 2014, 35, 539-545.	5.6	453
3	Present status and applications of bacterial cellulose-based materials for skin tissue repair. <i>Carbohydrate Polymers</i> , 2013, 92, 1432-1442.	5.1	440
4	High Energy Density Dielectric Polymer Nanocomposites with Trilayered Architecture. <i>Advanced Functional Materials</i> , 2017, 27, 1606292.	7.8	338
5	Silk sericin: A versatile material for tissue engineering and drug delivery. <i>Biotechnology Advances</i> , 2015, 33, 1855-1867.	6.0	314
6	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.	7.3	307
7	Electroconductive natural polymer-based hydrogels. <i>Biomaterials</i> , 2016, 111, 40-54.	5.7	287
8	Bioprinting and its applications in tissue engineering and regenerative medicine. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 261-275.	3.6	242
9	Preparation and evaluation of a kind of bacterial cellulose dry films with antibacterial properties. <i>Carbohydrate Polymers</i> , 2011, 84, 533-538.	5.1	224
10	Nanocellulose electroconductive composites. <i>Nanoscale</i> , 2013, 5, 3194.	2.8	213
11	Antimicrobial activity of silver nanoparticle impregnated bacterial cellulose membrane: Effect of fermentation carbon sources of bacterial cellulose. <i>Carbohydrate Polymers</i> , 2012, 87, 839-845.	5.1	190
12	Current Challenges of Cancer Anti-angiogenic Therapy and the Promise of Nanotherapeutics. <i>Theranostics</i> , 2018, 8, 533-548.	4.6	188
13	A Therapeutic Microneedle Patch Made from Hair-Derived Keratin for Promoting Hair Regrowth. <i>ACS Nano</i> , 2019, 13, 4354-4360.	7.3	184
14	Biodegradable and Electroactive Regenerated Bacterial Cellulose/MXene (Ti ₃ C ₂ T _x) Composite Hydrogel as Wound Dressing for Accelerating Skin Wound Healing under Electrical Stimulation. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000872.	3.9	184
15	Flexible Supercapacitors Based on Bacterial Cellulose Paper Electrodes. <i>Advanced Energy Materials</i> , 2014, 4, 1301655.	10.2	182
16	Recent progress in nanomedicine for enhanced cancer chemotherapy. <i>Theranostics</i> , 2021, 11, 6370-6392.	4.6	177
17	Freestanding bacterial cellulose polypyrrole nanofibres paper electrodes for advanced energy storage devices. <i>Nano Energy</i> , 2014, 9, 309-317.	8.2	167
18	Studies on antibacterial activity and antibacterial mechanism of a novel polysaccharide from <i>Streptomyces virginia</i> H03. <i>Food Control</i> , 2010, 21, 1257-1262.	2.8	161

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19	Recent advances in liposome surface modification for oral drug delivery. <i>Nanomedicine</i> , 2016, 11, 1169-1185.	1.7	159
20	In situ nano-assembly of bacterial cellulose/polyaniline composites. <i>RSC Advances</i> , 2012, 2, 1040-1046.	1.7	157
21	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.	3.9	149
22	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.	7.8	146
23	Hydrothermal synthesis of bacterial cellulose/AgNPs composite: A "green" route for antibacterial application. <i>Carbohydrate Polymers</i> , 2012, 87, 2482-2487.	5.1	144
24	Dielectric materials for high-temperature capacitors. <i>IET Nanodielectrics</i> , 2018, 1, 32-40.	2.0	139
25	Effects of Ca ²⁺ bridge cross-linking on structure and pervaporation of cellulose/alginate blend membranes. <i>Journal of Membrane Science</i> , 2000, 175, 53-60.	4.1	138
26	Nano-cellulose 3D-networks as controlled-release drug carriers. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2976.	2.9	135
27	Investigation on artificial blood vessels prepared from bacterial cellulose. <i>Materials Science and Engineering C</i> , 2015, 46, 111-117.	3.8	129
28	Fabrication of bacterial cellulose/polyaniline/single-walled carbon nanotubes membrane for potential application as biosensor. <i>Carbohydrate Polymers</i> , 2017, 163, 62-69.	5.1	124
29	Composites of Bacterial Cellulose and Small Molecule-Decorated Gold Nanoparticles for Treating Gram-Negative Bacteria-Infected Wounds. <i>Small</i> , 2017, 13, 1700130.	5.2	119
30	Evaluation of bacterial nanocellulose-based uniform wound dressing for large area skin transplantation. <i>Materials Science and Engineering C</i> , 2013, 33, 2995-3000.	3.8	118
31	A transparent wound dressing based on bacterial cellulose whisker and poly(2-hydroxyethyl) Tj ETQq1 1 0.784314 rrgBT /Overlock 10 T	3.6	113
32	Biobased materials for active food packaging: A review. <i>Food Hydrocolloids</i> , 2022, 125, 107419.	5.6	110
33	Skin tissue repair materials from bacterial cellulose by a multilayer fermentation method. <i>Journal of Materials Chemistry</i> , 2012, 22, 12349.	6.7	109
34	Bacterial cellulose-hyaluronan nanocomposite biomaterials as wound dressings for severe skin injury repair. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3498-3507.	2.9	108
35	Evaluation of the Effect of the Structure of Bacterial Cellulose on Full Thickness Skin Wound Repair on a Microfluidic Chip. <i>Biomacromolecules</i> , 2015, 16, 780-789.	2.6	107
36	Silk Sericin-Functionalized Bacterial Cellulose as a Potential Wound-Healing Biomaterial. <i>Biomacromolecules</i> , 2016, 17, 3076-3084.	2.6	103

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37	Chitosan-coated nano-liposomes for the oral delivery of berberine hydrochloride. <i>Journal of Materials Chemistry B</i> , 2014, 2, 7149-7159.	2.9	102
38	Current Trends and Potential Applications of Microbial Interactions for Human Welfare. <i>Frontiers in Microbiology</i> , 2018, 9, 1156.	1.5	96
39	Synthesis and applications of fungal mycelium-based advanced functional materials. <i>Journal of Bioresources and Bioproducts</i> , 2021, 6, 1-10.	11.8	95
40	Co-delivery of Doxorubicin and Bmi1 siRNA by Folate Receptor Targeted Liposomes Exhibits Enhanced Anti-Tumor Effects <i>in vitro</i> and <i>in vivo</i> . <i>Theranostics</i> , 2014, 4, 1096-1111.	4.6	94
41	Bio-based green composites with high performance from poly(lactic acid) and surface-modified microcrystalline cellulose. <i>Journal of Materials Chemistry</i> , 2012, 22, 15732.	6.7	93
42	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.	6.6	91
43	The use of bacterial polysaccharides in bioprinting. <i>Biotechnology Advances</i> , 2019, 37, 107448.	6.0	86
44	Eco-friendly and recyclable all cellulose triboelectric nanogenerator and self-powered interactive interface. <i>Nano Energy</i> , 2021, 89, 106354.	8.2	84
45	Structure and microporous formation of cellulose/silk fibroin blend membranes. <i>Journal of Membrane Science</i> , 2000, 177, 153-161.	4.1	80
46	Construction of Small-Diameter Vascular Graft by Shape-Memory and Self-Rolling Bacterial Cellulose Membrane. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601343.	3.9	79
47	Superhydrophobic Liquid-Solid Contact Triboelectric Nanogenerator as a Droplet Sensor for Biomedical Applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 40021-40030.	4.0	79
48	Enhanced cell proliferation by electrical stimulation based on electroactive regenerated bacterial cellulose hydrogels. <i>Carbohydrate Polymers</i> , 2020, 249, 116829.	5.1	78
49	In Vitro and in Vivo Antitumor Effects of Folate-Targeted Ursolic Acid Stealth Liposome. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 2207-2215.	2.4	76
50	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.	3.6	76
51	Double network bacterial cellulose hydrogel to build a biology-device interface. <i>Nanoscale</i> , 2014, 6, 970-977.	2.8	75
52	Biodegradable, Super-Strong, and Conductive Cellulose Macrofibers for Fabric-Based Triboelectric Nanogenerator. <i>Nano-Micro Letters</i> , 2022, 14, 115.	14.4	74
53	Self-targeting, zwitterionic micellar dispersants enhance antibiotic killing of infectious biofilms: An intravital imaging study in mice. <i>Science Advances</i> , 2020, 6, eabb1112.	4.7	73
54	Near-infrared light switching nitric oxide nanoemitter for triple-combination therapy of multidrug resistant cancer. <i>Acta Biomaterialia</i> , 2019, 100, 365-377.	4.1	71

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55	Bacterial cellulose: Molecular regulation of biosynthesis, supramolecular assembly, and tailored structural and functional properties. <i>Progress in Materials Science</i> , 2022, 129, 100972.	16.0	71
56	Wheat straw acid hydrolysate as a potential cost-effective feedstock for production of bacterial cellulose. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 675-680.	1.6	70
57	Osteogenic effect of controlled released rhBMP-2 in 3D printed porous hydroxyapatite scaffold. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 141, 491-498.	2.5	68
58	A Biodegradable and Recyclable Piezoelectric Sensor Based on a Molecular Ferroelectric Embedded in a Bacterial Cellulose Hydrogel. <i>ACS Nano</i> , 2022, 16, 3744-3755.	7.3	68
59	Bacterial cellulose-based composites for biomedical and cosmetic applications: Research progress and existing products. <i>Carbohydrate Polymers</i> , 2021, 273, 118565.	5.1	67
60	Near-resonance enhanced label-free stimulated Raman scattering microscopy with spatial resolution near 130 nm. <i>Light: Science and Applications</i> , 2018, 7, 81.	7.7	66
61	Phototherapy-based combination strategies for bacterial infection treatment. <i>Theranostics</i> , 2020, 10, 12241-12262.	4.6	66
62	Biopolymer-Based Microcarriers for Three-Dimensional Cell Culture and Engineered Tissue Formation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1895.	1.8	63
63	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.	2.8	62
64	Ex situ development and characterization of green antibacterial bacterial cellulose-based composites for potential biomedical applications. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 307-321.	9.9	62
65	Blend membranes from carboxymethylated chitosan/alginate in aqueous solution. <i>Journal of Applied Polymer Science</i> , 2000, 77, 610-616.	1.3	61
66	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.	5.1	61
67	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.	4.0	61
68	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.	2.0	61
69	Organic-inorganic hybrid electrolytes from ionic liquid-functionalized octasilsesquioxane for lithium metal batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18012-18019.	5.2	60
70	Porous chitosan microspheres as microcarriers for 3D cell culture. <i>Carbohydrate Polymers</i> , 2018, 202, 611-620.	5.1	60
71	Injectable immunomodulation-based porous chitosan microspheres/HPCH hydrogel composites as a controlled drug delivery system for osteochondral regeneration. <i>Biomaterials</i> , 2022, 285, 121530.	5.7	60
72	A microcube-based hybrid piezocomposite as a flexible energy generator. <i>RSC Advances</i> , 2017, 7, 32502-32507.	1.7	59

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73	Microporous formation of blend membranes from cellulose/konjac glucomannan in NaOH/thiourea aqueous solution. <i>Journal of Membrane Science</i> , 2002, 201, 161-173.	4.1	58
74	Bacterial Cellulose as a Supersoft Neural Interfacing Substrate. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 33049-33059.	4.0	58
75	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.	3.6	56
76	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.	5.0	55
77	Development and characterization of plant oil-incorporated carboxymethyl cellulose/bacterial cellulose/glycerol-based antimicrobial edible films for food packaging applications. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 973-990.	9.9	55
78	Preparative fractionation of polysaccharides by columns packed with regenerated cellulose gels. <i>Journal of Chromatography A</i> , 1998, 816, 131-136.	1.8	54
79	Blend membranes from cellulose/konjac glucomannan cuprammonium solution. <i>Journal of Membrane Science</i> , 1998, 139, 47-56.	4.1	53
80	Solution-Processable Conductive Composite Hydrogels with Multiple Synergetic Networks toward Wearable Pressure/Strain Sensors. <i>ACS Sensors</i> , 2021, 6, 2938-2951.	4.0	53
81	Thermoresponsive Bacterial Cellulose Whisker/Poly(NIPAM- <i>co</i> -BMA) Nanogel Complexes: Synthesis, Characterization, and Biological Evaluation. <i>Biomacromolecules</i> , 2013, 14, 1078-1084.	2.6	52
82	Bioprinting Living Biofilms through Optogenetic Manipulation. <i>ACS Synthetic Biology</i> , 2018, 7, 1195-1200.	1.9	51
83	Reverse Reconstruction and Bioprinting of Bacterial Cellulose-Based Functional Total Intervertebral Disc for Therapeutic Implantation. <i>Small</i> , 2018, 14, 1702582.	5.2	51
84	Fabrication of pH-electroactive Bacterial Cellulose/Polyaniline Hydrogel for the Development of a Controlled Drug Release System. <i>ES Materials & Manufacturing</i> , 2018, , .	1.1	51
85	Hepatitis B virus X protein-elevated MSL2 modulates hepatitis B virus covalently closed circular DNA by inducing degradation of APOBEC3B to enhance hepatocarcinogenesis. <i>Hepatology</i> , 2017, 66, 1413-1429.	3.6	50
86	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.	5.2	49
87	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.	5.6	48
88	Evaluation of bacterial cellulose/hyaluronan nanocomposite biomaterials. <i>Carbohydrate Polymers</i> , 2014, 103, 496-501.	5.1	47
89	Programmable Codelivery of Doxorubicin and Apatinib Using an Implantable Hierarchical-Structured Fiber Device for Overcoming Cancer Multidrug Resistance. <i>Small</i> , 2019, 15, e1804397.	5.2	47
90	Immunomodulation and cellular response to biomaterials: the overriding role of neutrophils in healing. <i>Materials Horizons</i> , 2019, 6, 1122-1137.	6.4	47

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91	Glucose-triggered in situ forming keratin hydrogel for the treatment of diabetic wounds. <i>Acta Biomaterialia</i> , 2021, 125, 208-218.	4.1	47
92	Aspirin suppresses the abnormal lipid metabolism in liver cancer cells via disrupting an NF κ B-ACSL1 signaling. <i>Biochemical and Biophysical Research Communications</i> , 2017, 486, 827-832.	1.0	46
93	pH-Responsive Poly(Ethylene Glycol)- <i>block</i> -Poly(lactide) Micelles for Tumor-Targeted Drug Delivery. <i>Biomacromolecules</i> , 2017, 18, 2711-2722.	2.6	46
94	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.	11.8	46
95	Development and Characterization of Yeast-Incorporated Antimicrobial Cellulose Biofilms for Edible Food Packaging Application. <i>Polymers</i> , 2021, 13, 2310.	2.0	46
96	Blend membranes of cellulose cuoxam/casein. <i>Journal of Membrane Science</i> , 1995, 103, 65-71.	4.1	45
97	A Novel Approach to the CP-225,917 and CP-263,114 Core. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 2821-2823.	4.4	45
98	Inelastic behaviour of bacterial cellulose hydrogel: In aqua cyclic tests. <i>Polymer Testing</i> , 2015, 44, 82-92.	2.3	45
99	Microstructural and mechanical characteristics of PHEMA-based nanofibre-reinforced hydrogel under compression. <i>Composites Part B: Engineering</i> , 2015, 76, 292-299.	5.9	45
100	Biomimetic nanofibers can construct effective tissue-engineered intervertebral discs for therapeutic implantation. <i>Nanoscale</i> , 2017, 9, 13095-13103.	2.8	45
101	Injectable keratin hydrogels as hemostatic and wound dressing materials. <i>Biomaterials Science</i> , 2021, 9, 4169-4177.	2.6	44
102	Role of polyethylene glycol in formation and structure of regenerated cellulose microporous membrane. <i>Journal of Membrane Science</i> , 1999, 161, 31-40.	4.1	43
103	Catechins-Modified Selenium-Doped Hydroxyapatite Nanomaterials for Improved Osteosarcoma Therapy Through Generation of Reactive Oxygen Species. <i>Frontiers in Oncology</i> , 2019, 9, 499.	1.3	42
104	Ultra-thin bacterial cellulose/poly(ethylenedioxythiophene) nanofibers paper electrodes for all-solid-state flexible supercapacitors. <i>Electrochimica Acta</i> , 2018, 271, 624-631.	2.6	41
105	The impact of oxidative stress damage induced by the environmental stressors on COVID-19. <i>Life Sciences</i> , 2021, 264, 118653.	2.0	41
106	Structure and microporous formation of cellulose/silk fibroin blend membranes. <i>Journal of Membrane Science</i> , 2002, 210, 379-387.	4.1	40
107	Comparison of fracture properties of cellulose nanopaper, printing paper and buckypaper. <i>Journal of Materials Science</i> , 2017, 52, 9508-9519.	1.7	40
108	Prevention and treatment of COVID-19: Focus on interferons, chloroquine/hydroxychloroquine, azithromycin, and vaccine. <i>Biomedicine and Pharmacotherapy</i> , 2021, 133, 111008.	2.5	40

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109	Biodegradable and injectable poly(vinyl alcohol) microspheres in silk sericin-based hydrogel for the controlled release of antimicrobials: application to deep full-thickness burn wound healing. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 2847-2872.	9.9	40
110	Regenerated cellulose microporous membranes by mixing cellulose cuoxam with a water soluble polymer. <i>Journal of Membrane Science</i> , 1996, 114, 149-155.	4.1	39
111	Salidroside improves the hypoxic tumor microenvironment and reverses the drug resistance of platinum drugs via HIF-1 α signaling pathway. <i>EBioMedicine</i> , 2018, 38, 25-36.	2.7	39
112	Structure-properties relationship of starch/waterborne polyurethane composites. <i>Journal of Applied Polymer Science</i> , 2003, 90, 3325-3332.	1.3	38
113	Microstructured Multilevel Bacterial Cellulose Allows the Guided Growth of Neural Stem Cells. <i>Small</i> , 2016, 12, 5407-5413.	5.2	38
114	Time-dependent rheological behaviour of bacterial cellulose hydrogel. <i>Materials Science and Engineering C</i> , 2016, 58, 153-159.	3.8	38
115	Microbes as Structural Templates in Biofabrication: Study of Surface Chemistry and Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 11163-11175.	3.2	38
116	Amphiphilic core-shell nanoparticles: Synthesis, biophysical properties, and applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 172, 68-81.	2.5	37
117	Keratin-Templated Synthesis of Metallic Oxide Nanoparticles as MRI Contrast Agents and Drug Carriers. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 26039-26045.	4.0	36
118	A Hierarchical Structured Ultrafine Fiber Device for Preventing Postoperative Recurrence and Metastasis of Breast Cancer. <i>Advanced Functional Materials</i> , 2020, 30, 2004851.	7.8	36
119	Ways of strengthening biodegradable soy-dreg plastics. <i>Journal of Applied Polymer Science</i> , 2003, 88, 422-427.	1.3	35
120	Cancer hallmarks and malignancy features: Gateway for improved targeted drug delivery. <i>Biotechnology Advances</i> , 2018, 36, 1928-1945.	6.0	35
121	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.	1.2	34
122	Understanding piezoelectric characteristics of PHEMA-based hydrogel nanocomposites as soft self-powered electronics. <i>Advanced Composites and Hybrid Materials</i> , 2018, 1, 320-331.	9.9	34
123	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.	2.1	34
124	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.	8.6	34
125	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.	7.8	33
126	Cellulose/casein blend membranes from NaOH/urea solution. <i>Journal of Applied Polymer Science</i> , 2001, 81, 3260-3267.	1.3	32

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127	Poly(4-vinylaniline)/Polyaniline Bilayer-Functionalized Bacterial Cellulose for Flexible Electrochemical Biosensors. <i>Langmuir</i> , 2019, 35, 10354-10366.	1.6	32
128	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.	3.8	32
129	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.	2.5	32
130	Enhanced electrocaloric effect in lead-free organic and inorganic relaxor ferroelectric composites near room temperature. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	31
131	Punching and Electroporation for Enhanced Transdermal Drug Delivery. <i>Theranostics</i> , 2018, 8, 3688-3690.	4.6	31
132	Targeted delivery of chemically modified anti-miR-221 to hepatocellular carcinoma with negatively charged liposomes. <i>International Journal of Nanomedicine</i> , 2015, 10, 4825.	3.3	30
133	Ordered manufactured bacterial cellulose as biomaterial of tissue engineering. <i>Materials Letters</i> , 2014, 128, 314-318.	1.3	29
134	Effect of microstructure on anomalous strain-rate-dependent behaviour of bacterial cellulose hydrogel. <i>Materials Science and Engineering C</i> , 2016, 62, 130-136.	3.8	29
135	Multifunctional piezoelectric elastomer composites for smart biomedical or wearable electronics. <i>Composites Part B: Engineering</i> , 2019, 160, 595-604.	5.9	29
136	A Hierarchical-Structured Mineralized Nanofiber Scaffold with Osteoimmunomodulatory and Osteoinductive Functions for Enhanced Alveolar Bone Regeneration. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102236.	3.9	29
137	Immune Response to Silk Sericin-Fibroin Composites: Potential Immunogenic Elements and Alternatives for Immunomodulation. <i>Macromolecular Bioscience</i> , 2022, 22, e2100292.	2.1	29
138	Preparation and characterization of BC/PAM-AgNPs nanocomposites for antibacterial applications. <i>Carbohydrate Polymers</i> , 2015, 115, 636-642.	5.1	28
139	Comparative study of kerateine and keratose based composite nanofibers for biomedical applications. <i>Materials Science and Engineering C</i> , 2018, 83, 1-8.	3.8	28
140	Antimicrobial Inks: The Anti-Infective Applications of Bioprinted Bacterial Polysaccharides. <i>Trends in Biotechnology</i> , 2019, 37, 1155-1159.	4.9	28
141	Investigation of molecular masses and aggregation of β -D-glucan from <i>Poria cocos</i> sclerotium by size-exclusion chromatography. <i>Journal of Chromatography A</i> , 1999, 839, 49-55.	1.8	27
142	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.	3.2	27
143	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.	7.2	26
144	Surface Confined Retro Diels-Alder Reaction Driven by the Swelling of Weak Polyelectrolytes. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6254-6259.	4.0	25

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145	Microbial Cells with a Fe ₃ O ₄ Doped Hydrogel Extracellular Matrix: Manipulation of Living Cells by Magnetic Stimulus. <i>Macromolecular Bioscience</i> , 2016, 16, 1506-1514.	2.1	25
146	Multifunctional nanoplateforms co-delivering combinatorial dual-drug for eliminating cancer multidrug resistance. <i>Theranostics</i> , 2021, 11, 6334-6354.	4.6	25
147	Hierarchical-structured bacterial cellulose/potato starch tubes as potential small-diameter vascular grafts. <i>Carbohydrate Polymers</i> , 2022, 281, 119034.	5.1	25
148	Stimuli-Responsive Nanocomposite: Potential Injectable Embolization Agent. <i>Macromolecular Rapid Communications</i> , 2014, 35, 579-584.	2.0	24
149	Green synthesis of silver nanoparticles impregnated bacterial cellulose-alginate composite film with improved properties. <i>Materials Letters</i> , 2017, 209, 11-14.	1.3	24
150	Development of finasteride/PHBV@polyvinyl alcohol/chitosan reservoir-type microspheres as a potential embolic agent: from <i>in vitro</i> evaluation to animal study. <i>Biomaterials Science</i> , 2020, 8, 2797-2813.	2.6	24
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