

# Yizao Wan

## List of Publications by Citations

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papers

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140  
ext. papers

4,215  
ext. citations

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L-index

#	Paper	IF	Citations
139	Preparation and in vitro characterization of BC/PVA hydrogel composite for its potential use as artificial cornea biomaterial. <i>Materials Science and Engineering C</i> , <b>2010</b> , 30, 214-218	8.3	166
138	Preparation and characterization of 2,3-dialdehyde bacterial cellulose for potential biodegradable tissue engineering scaffolds. <i>Materials Science and Engineering C</i> , <b>2009</b> , 29, 1635-1642	8.3	159
137	Anchoring Fe <sub>3</sub> O <sub>4</sub> nanoparticles on three-dimensional carbon nanofibers toward flexible high-performance anodes for lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2015</b> , 294, 414-419	8.9	106
136	One-step in situ biosynthesis of graphene oxide-bacterial cellulose nanocomposite hydrogels. <i>Macromolecular Rapid Communications</i> , <b>2014</b> , 35, 1706-11	4.8	99
135	Preparation and characterization of bacterial cellulose sponge with hierarchical pore structure as tissue engineering scaffold. <i>Journal of Porous Materials</i> , <b>2011</b> , 18, 139-145	2.4	92
134	Constructing 3D bacterial cellulose/graphene/polyaniline nanocomposites by novel layer-by-layer in situ culture toward mechanically robust and highly flexible freestanding electrodes for supercapacitors. <i>Chemical Engineering Journal</i> , <b>2018</b> , 334, 1148-1158	14.7	92
133	Facile synthesis of ZnFe <sub>2</sub> O <sub>4</sub> /reduced graphene oxide nanohybrids for enhanced microwave absorption properties. <i>Materials Research Bulletin</i> , <b>2015</b> , 61, 292-297	5.1	91
132	A general strategy of decorating 3D carbon nanofiber aerogels derived from bacterial cellulose with nano-Fe <sub>3</sub> O <sub>4</sub> for high-performance flexible and binder-free lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 15386-15393	13	83
131	Introduction of broad spectrum antibacterial properties to bacterial cellulose nanofibers via immobilising $\epsilon$ -polylysine nanocoatings. <i>Food Hydrocolloids</i> , <b>2014</b> , 36, 204-211	10.6	71
130	Uniformly Dispersed Freestanding Carbon Nanofiber/Graphene Electrodes Made by a Scalable Biological Method for High-Performance Flexible Supercapacitors. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1803075	15.6	69
129	Characterization of TEMPO-oxidized bacterial cellulose scaffolds for tissue engineering applications. <i>Materials Chemistry and Physics</i> , <b>2013</b> , 143, 373-379	4.4	66
128	Facile synthesis and electromagnetic wave absorption properties of magnetic carbon fiber coated with Fe <sub>3</sub> O <sub>4</sub> alloy by electroplating. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 4726-4730	5.7	66
127	Preparation and characterization of a novel COL/BC composite for potential tissue engineering scaffolds. <i>Materials Chemistry and Physics</i> , <b>2008</b> , 110, 193-196	4.4	63
126	The electrochemical preparation and microwave absorption properties of magnetic carbon fibers coated with Fe <sub>3</sub> O <sub>4</sub> films. <i>Applied Surface Science</i> , <b>2011</b> , 257, 10808-10814	6.7	59
125	Application of Polyaniline for Li-Ion Batteries, Lithium-Sulfur Batteries, and Supercapacitors. <i>ChemSusChem</i> , <b>2019</b> , 12, 1591-1611	8.3	58
124	Layer-by-Layer Assembled Bacterial Cellulose/Graphene Oxide Hydrogels with Extremely Enhanced Mechanical Properties. <i>Nano-Micro Letters</i> , <b>2018</b> , 10, 42	19.5	55
123	Preparation and properties of polyamide 6 thermal conductive composites reinforced with fibers. <i>Materials &amp; Design</i> , <b>2013</b> , 51, 257-261		55

122	A novel three-dimensional graphene/bacterial cellulose nanocomposite prepared by in situ biosynthesis. <i>RSC Advances</i> , <b>2014</b> , 4, 14369-14372	3.7	54
121	Characterization of biomedical hydroxyapatite/magnesium composites prepared by powder metallurgy assisted with microwave sintering. <i>Current Applied Physics</i> , <b>2016</b> , 16, 830-836	2.6	51
120	Synthesis and characterization of three-dimensional porous graphene oxide/sodium alginate scaffolds with enhanced mechanical properties. <i>Materials Express</i> , <b>2014</b> , 4, 429-434	1.3	50
119	Preparation and mineralization of three-dimensional carbon nanofibers from bacterial cellulose as potential scaffolds for bone tissue engineering. <i>Surface and Coatings Technology</i> , <b>2011</b> , 205, 2938-2946	4.4	50
118	Facile and scalable production of three-dimensional spherical carbonized bacterial cellulose/graphene nanocomposites with a honeycomb-like surface pattern as potential superior absorbents. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 24389-24396	13	48
117	Mechanical and biological properties of bioglass/magnesium composites prepared via microwave sintering route. <i>Materials and Design</i> , <b>2016</b> , 99, 521-527	8.1	47
116	Mechanical and thermo-mechanical behaviors of sizing-treated corn fiber/polylactide composites. <i>Polymer Testing</i> , <b>2014</b> , 39, 45-52	4.5	47
115	Preparation and characterization of bacterial cellulose/heparin hybrid nanofiber for potential vascular tissue engineering scaffolds. <i>Polymers for Advanced Technologies</i> , <b>2011</b> , 22, 2643-2648	3.2	47
114	Scalable synthesis of robust and stretchable composite wound dressings by dispersing silver nanowires in continuous bacterial cellulose. <i>Composites Part B: Engineering</i> , <b>2020</b> , 199, 108259	10	45
113	Ultrathin, Strong, and Highly Flexible TiCT MXene/Bacterial Cellulose Composite Films for High-Performance Electromagnetic Interference Shielding. <i>ACS Nano</i> , <b>2021</b> , 15, 8439-8449	16.7	44
112	Novel porous graphene oxide and hydroxyapatite nanosheets-reinforced sodium alginate hybrid nanocomposites for medical applications. <i>Materials Characterization</i> , <b>2015</b> , 107, 419-425	3.9	43
111	Three-dimensional cuprous oxide microtube lattices with high catalytic activity templated by bacterial cellulose nanofibers. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 10637		42
110	Step-by-step self-assembly of 2D few-layer reduced graphene oxide into 3D architecture of bacterial cellulose for a robust, ultralight, and recyclable all-carbon absorbent. <i>Carbon</i> , <b>2018</b> , 139, 824-832	10.4	41
109	Mechanical properties and cytotoxicity of nanoplate-like hydroxyapatite/polylactide nanocomposites prepared by intercalation technique. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2015</b> , 47, 29-37	4.1	38
108	Nitrogen-doped graphene enwrapped silicon nanoparticles with nitrogen-doped carbon shell: a novel nanocomposite for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 192, 22-29	6.7	35
107	Fabrication of flexible, ultra-strong, and highly conductive bacterial cellulose-based paper by engineering dispersion of graphene nanosheets. <i>Composites Part B: Engineering</i> , <b>2019</b> , 162, 484-490	10	33
106	ZnxCd1-xS/bacterial cellulose bionanocomposite foams with hierarchical architecture and enhanced visible-light photocatalytic hydrogen production activity. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 1709-1716	13	33
105	Polylysine coated bacterial cellulose nanofibers as novel templates for bone-like apatite deposition. <i>Cellulose</i> , <b>2011</b> , 18, 1555-1561	5.5	33

104	Response surface statistical optimization of bacterial nanocellulose fermentation in static culture using a low-cost medium. <i>New Biotechnology</i> , <b>2019</b> , 49, 19-27	6.4	33
103	Exploring excellent dispersion of graphene nanosheets in three-dimensional bacterial cellulose for ultra-strong nanocomposite hydrogels. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2018</b> , 109, 290-297	8.4	32
102	Preparation and characterization of three-dimensional nanostructured macroporous bacterial cellulose/agarose scaffold for tissue engineering. <i>Journal of Porous Materials</i> , <b>2011</b> , 18, 545-552	2.4	32
101	Preparation of SnO <sub>2</sub> -coated carbonyl iron flaky composites with enhanced microwave absorption properties. <i>Materials Letters</i> , <b>2013</b> , 92, 139-142	3.3	31
100	Synthesis and characterization of a lamellar hydroxyapatite/DNA nanohybrid. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 126, 470-475	4.4	31
99	Creation of macropores in three-dimensional bacterial cellulose scaffold for potential cancer cell culture. <i>Carbohydrate Polymers</i> , <b>2014</b> , 114, 553-557	10.3	30
98	Engineering carbon fibers with dual coatings of FeCo and CuO towards enhanced microwave absorption properties. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 687, 334-341	5.7	29
97	An ultralight and highly compressible anode for Li-ion batteries constructed from nitrogen-doped carbon wrapped Fe <sub>3</sub> O <sub>4</sub> nanoparticles confined in a porous 3D nitrogen-doped graphene network. <i>Chemical Engineering Journal</i> , <b>2017</b> , 326, 151-161	14.7	28
96	Constructing a novel three-dimensional scaffold with mesoporous TiO nanotubes for potential bone tissue engineering. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 5595-5602	7.3	28
95	ZnO nanostructures grown on carbon fibers: Morphology control and microwave absorption properties. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 593, 7-15	5.7	28
94	Evolution of morphology of bacterial cellulose scaffolds during early culture. <i>Carbohydrate Polymers</i> , <b>2014</b> , 111, 722-8	10.3	28
93	The inhibition of lamellar hydroxyapatite and lamellar magnetic hydroxyapatite on the migration and adhesion of breast cancer cells. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2014</b> , 25, 1025-31	4.5	28
92	Enhanced biological behavior of bacterial cellulose scaffold by creation of macropores and surface immobilization of collagen. <i>Macromolecular Research</i> , <b>2015</b> , 23, 734-740	1.9	26
91	Synthesis and characterization of laminated hydroxyapatite/chitosan nanocomposites. <i>Materials Letters</i> , <b>2010</b> , 64, 2126-2128	3.3	26
90	Low adhesion superhydrophobic AZ31B magnesium alloy surface with corrosion resistant and anti-bioadhesion properties. <i>Applied Surface Science</i> , <b>2020</b> , 505, 144566	6.7	26
89	Simultaneously depositing polyaniline onto bacterial cellulose nanofibers and graphene nanosheets toward electrically conductive nanocomposites. <i>Current Applied Physics</i> , <b>2018</b> , 18, 933-940	2.6	24
88	A Novel <i>in Vitro</i> Three-Dimensional Macroporous Scaffolds from Bacterial Cellulose for Culture of Breast Cancer Cells. <i>Journal of Biomaterials and Nanobiotechnology</i> , <b>2013</b> , 04, 316-326	1	24
87	Engineering quaternized chitosan in the 3D bacterial cellulose structure for antibacterial wound dressings. <i>Polymer Testing</i> , <b>2020</b> , 86, 106490	4.5	23

86	Nanocomposite prepared by immobilising gelatin and hydroxyapatite on bacterial cellulose nanofibres. <i>Micro and Nano Letters</i> , <b>2011</b> , 6, 133	0.9	23
85	Effects of alkali and alkali/silane treatments of corn fibers on mechanical and thermal properties of its composites with polylactic acid. <i>Polymer Composites</i> , <b>2016</b> , 37, 3499-3507	3	23
84	Constructing three-dimensional nanofibrous bioglass/gelatin nanocomposite scaffold for enhanced mechanical and biological performance. <i>Chemical Engineering Journal</i> , <b>2017</b> , 326, 210-221	14.7	22
83	Biocompatibility evaluation of bacterial cellulose as a scaffold material for tissue-engineered corneal stroma. <i>Cellulose</i> , <b>2020</b> , 27, 2775-2784	5.5	22
82	Constructing a highly bioactive 3D nanofibrous bioglass scaffold via bacterial cellulose-templated sol-gel approach. <i>Materials Chemistry and Physics</i> , <b>2016</b> , 176, 1-5	4.4	22
81	Controlled template synthesis of lamellar hydroxyapatite nanoplates as a potential carrier for gene delivery. <i>Materials Chemistry and Physics</i> , <b>2015</b> , 156, 238-246	4.4	21
80	Layered nanohydroxyapatite as a novel nanocarrier for controlled delivery of 5-fluorouracil. <i>International Journal of Pharmaceutics</i> , <b>2016</b> , 513, 17-25	6.5	21
79	Surface controlled calcium phosphate formation on three-dimensional bacterial cellulose-based nanofibers. <i>Materials Science and Engineering C</i> , <b>2015</b> , 49, 526-533	8.3	20
78	Conductive Polypyrrole Coated Hollow NiCo <sub>2</sub> O <sub>4</sub> Microspheres as Anode Material with Improved Pseudocapacitive Contribution and Enhanced Conductivity for Lithium-Ion Batteries. <i>ChemElectroChem</i> , <b>2019</b> , 6, 690-699	4.3	20
77	Effect of highly dispersed graphene and graphene oxide in 3D nanofibrous bacterial cellulose scaffold on cell responses: A comparative study. <i>Materials Chemistry and Physics</i> , <b>2019</b> , 235, 121774	4.4	19
76	Sacrificial template method for the synthesis of three-dimensional nanofibrous 58S bioglass scaffold and its in vitro bioactivity and cell responses. <i>Journal of Biomaterials Applications</i> , <b>2017</b> , 32, 265-275	2.9	17
75	Biofabrication of a novel bacteria/bacterial cellulose composite for improved adsorption capacity. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2019</b> , 125, 105560	8.4	17
74	Immobilization of lecithin on bacterial cellulose nanofibers for improved biological functions. <i>Reactive and Functional Polymers</i> , <b>2015</b> , 91-92, 100-107	4.6	17
73	Immobilization of gelatin onto natural nanofibers for tissue engineering scaffold applications without utilization of any crosslinking agent. <i>Cellulose</i> , <b>2012</b> , 19, 761-768	5.5	17
72	Vascularization in Engineered Tissue Construct by Assembly of Cellular Patterned Micromodules and Degradable Microspheres. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 3524-3534	9.5	16
71	Laser-induced wettability gradient surface on NiTi alloy for improved hemocompatibility and flow resistance. <i>Materials Science and Engineering C</i> , <b>2020</b> , 111, 110847	8.3	16
70	Three-dimensional porous nanocomposite of highly dispersed Fe <sub>3</sub> O <sub>4</sub> nanoparticles on carbon nanofibers for high-performance microwave absorbents. <i>Materials Express</i> , <b>2015</b> , 5, 113-120	1.3	15
69	Preparation and characterization of a novel laminated magnetic hydroxyapatite for application on gene delivery. <i>Materials Letters</i> , <b>2012</b> , 68, 225-227	3.3	15

68	Scalable synthesis of three-dimensional interconnected mesoporous TiO <sub>2</sub> nanotubes with ultra-large surface area. <i>Acta Materialia</i> , <b>2015</b> , 93, 138-143	8.4	15
67	Incorporation of hydroxyapatite into nanofibrous PLGA scaffold towards improved breast cancer cell behavior. <i>Materials Chemistry and Physics</i> , <b>2019</b> , 226, 177-183	4.4	15
66	One-step exfoliation and surface modification of lamellar hydroxyapatite by intercalation of glucosamine. <i>Materials Chemistry and Physics</i> , <b>2016</b> , 173, 262-267	4.4	14
65	Preparation and properties of a novel porous poly(lactic acid) composite reinforced with bacterial cellulose nanowhiskers. <i>Fibers and Polymers</i> , <b>2014</b> , 15, 2591-2596	2	14
64	Synthesis of intercalated lamellar hydroxyapatite/gelatin nanocomposite for bone substitute application. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 113, 3089-3094	2.9	14
63	An in vivo study on the effect of coating stability on osteointegration performance of collagen/hyaluronic acid multilayer modified titanium implants. <i>Bioactive Materials</i> , <b>2018</b> , 3, 97-101	16.7	13
62	Preparation and characterization of gelatin gel with a gradient structure. <i>Polymer International</i> , <b>2000</b> , 49, 1600-1603	3.3	13
61	Porous nanoplate-like hydroxyapatite/sodium alginate nanocomposite scaffolds for potential bone tissue engineering. <i>Materials Technology</i> , <b>2017</b> , 32, 78-84	2.1	12
60	Preparation, structural characterization, and in vitro cell studies of three-dimensional SiO-CaO binary glass scaffolds built of ultra-small nanofibers. <i>Materials Science and Engineering C</i> , <b>2017</b> , 76, 94-101	8.3	11
59	Enhancement of mechanical and biological properties of calcium phosphate bone cement by incorporating bacterial cellulose. <i>Materials Technology</i> , <b>2019</b> , 34, 800-806	2.1	11
58	Titania Tube-in-Tube Scaffolds with Multilength-Scale Structural Hierarchy and Structure-Enhanced Functional Performance. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 17552-17560	3.8	11
57	Synthesis of a three-dimensional network-structured scaffold built of silica nanotubes for potential bone tissue engineering applications. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 647, 711-719	5.7	11
56	Wrapping mesoporous Fe <sub>2</sub> O <sub>3</sub> nanoparticles by reduced graphene oxide: Enhancement of cycling stability and capacity of lithium ion batteries by mesoscopic engineering. <i>Ceramics International</i> , <b>2018</b> , 44, 20656-20663	5.1	11
55	Bacterial cellulose-templated synthesis of free-standing silica nanotubes with a three-dimensional network structure. <i>RSC Advances</i> , <b>2015</b> , 5, 48875-48880	3.7	11
54	Preparation and characterization of nano-platelet-like hydroxyapatite/gelatin nanocomposites. <i>Polymers for Advanced Technologies</i> , <b>2011</b> , 22, 2659-2664	3.2	11
53	Incorporating nanoplate-like hydroxyapatite into polylactide for biomimetic nanocomposites via direct melt intercalation. <i>Composites Science and Technology</i> , <b>2020</b> , 185, 107903	8.6	11
52	Studies on bacterial cellulose/poly(vinyl alcohol) hydrogel composites as tissue-engineered corneal stroma. <i>Biomedical Materials (Bristol)</i> , <b>2020</b> , 15, 035022	3.5	11
51	Submicrofiber-Incorporated 3D Bacterial Cellulose Nanofibrous Scaffolds with Enhanced Cell Performance. <i>Macromolecular Materials and Engineering</i> , <b>2018</b> , 303, 1800316	3.9	11

50	Engineering photoluminescent and magnetic lamellar hydroxyapatite by facile one-step Se/Gd dual-doping. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 3515-3521	7.3	11
49	Fabrication of a novel hierarchical fibrous scaffold for breast cancer cell culture. <i>Polymer Testing</i> , <b>2019</b> , 80, 106107	4.5	10
48	Simvastatin-loaded nanotubular mesoporous bioactive glass scaffolds for bone tissue engineering. <i>Microporous and Mesoporous Materials</i> , <b>2019</b> , 288, 109570	5.3	10
47	An Efficient Route for the Synthesis of Aluminum Nitride/Graphene Nanohybrids. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 1966-1970	3.8	10
46	Novel ultra-thin ZnO nanosheets on carbon fiber: Preparation, characterization, and microwave absorption properties. <i>Surface and Coatings Technology</i> , <b>2014</b> , 253, 180-184	4.4	10
45	Characterisation of Hydroxyapatite/Bacterial Cellulose Nanocomposites. <i>Polymers and Polymer Composites</i> , <b>2009</b> , 17, 353-358	0.8	10
44	Bioactive glass nanotube scaffold with well-ordered mesoporous structure for improved bioactivity and controlled drug delivery. <i>Journal of Materials Science and Technology</i> , <b>2019</b> , 35, 1959-1965	9.1	9
43	Encapsulating doxorubicin-intercalated lamellar nanohydroxyapatite into PLGA nanofibers for sustained drug release. <i>Current Applied Physics</i> , <b>2019</b> , 19, 1204-1210	2.6	9
42	Preparation and Characterization of Ti-10Mo Alloy by Mechanical Alloying. <i>Metallography, Microstructure, and Analysis</i> , <b>2012</b> , 1, 282-289	1.1	9
41	Interpenetrated nano- and submicro-fibrous biomimetic scaffolds towards enhanced mechanical and biological performances. <i>Materials Science and Engineering C</i> , <b>2020</b> , 108, 110416	8.3	9
40	Nanocubic CoFe <sub>2</sub> O <sub>4</sub> /graphene composite for superior lithium-ion battery anodes. <i>Synthetic Metals</i> , <b>2018</b> , 242, 92-98	3.6	9
39	One-pot synthesis of copper-doped mesoporous bioglass towards multifunctional 3D nanofibrous scaffolds for bone regeneration. <i>Journal of Non-Crystalline Solids</i> , <b>2020</b> , 532, 119856	3.9	8
38	Equilibrium Melting Temperature of Polymorphic Poly(l-lactide) and Its Supercooling Dependence on Growth Kinetics. <i>Polymers</i> , <b>2017</b> , 9,	4.5	8
37	In situ synthesis and phase analysis of low density O <sup>2</sup> -sialon-based multiphase ceramics. <i>Rare Metals</i> , <b>2010</b> , 29, 214-219	5.5	8
36	Magnetic lamellar nanohydroxyapatite as a novel nanocarrier for controlled delivery of 5-fluorouracil. <i>Ceramics International</i> , <b>2017</b> , 43, 4957-4964	5.1	7
35	Morphology and cell responses of three-dimensional porous silica nanofibrous scaffold prepared by sacrificial template method. <i>Journal of Non-Crystalline Solids</i> , <b>2017</b> , 457, 145-151	3.9	7
34	Controllable synthesis of biomimetic nano/submicro-fibrous tubes for potential small-diameter vascular grafts. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 5694-5706	7.3	7
33	Constructing 3D scaffold with 40-nm-diameter hollow mesoporous bioactive glass nanofibers. <i>Materials Letters</i> , <b>2019</b> , 248, 201-203	3.3	6

32	Self assembly and controlled drug release of a nano-laminated graphite carbon nitride/methotrexate complex. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2018</b> , 29, 116	4.5	6
31	A rhBMP-2-loaded three-dimensional mesoporous bioactive glass nanotubular scaffold prepared from bacterial cellulose. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 581, 123838	5.1	6
30	In situ preparation of a laminated hydroxyapatite/ methotrexate complex. <i>Materials Letters</i> , <b>2015</b> , 144, 146-149	3.3	6
29	Improved Removal of Toxic Metal Ions by Incorporating Graphene Oxide into Bacterial Cellulose. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2020</b> , 20, 719-730	1.3	6
28	Simultaneous engineering of nanofillers and patterned surface macropores of graphene/hydroxyapatite/polyetheretherketone ternary composites for potential bone implants. <i>Materials Science and Engineering C</i> , <b>2021</b> , 123, 111967	8.3	6
27	Applications of Pyrolytic Polyaniline for Renewable Energy Storage. <i>ChemElectroChem</i> , <b>2018</b> , 5, 3597-3606	4.6	6
26	Effect of Si content on structure and electrochemical performance of ternary nanohybrids integrating Si nanoparticles, N-doped carbon shell, and nitrogen-doped graphene. <i>RSC Advances</i> , <b>2017</b> , 7, 4209-4215	3.7	5
25	The synergistic effect of type I collagen and hyaluronic acid on the biological properties of Col/HA-multilayer-modified titanium coatings: an in vitro and in vivo study. <i>RSC Advances</i> , <b>2017</b> , 7, 25828-25837	3.7	5
24	Self-assembled magnetic lamellar hydroxyapatite as an efficient nano-vector for gene delivery. <i>Current Applied Physics</i> , <b>2015</b> , 15, 811-818	2.6	5
23	Magnetic Lamellar Nano-Hydroxyapatite as a Vector for Gene Transfection in Three-Dimensional Cell Culture. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 5314-5319	1.3	5
22	Effect of Sisal Fibre Hybridisation on Static and Dynamic Mechanical Properties of Corn/Sisal/Polylactide Composites. <i>Polymers and Polymer Composites</i> , <b>2017</b> , 25, 463-470	0.8	5
21	Preparation of oriented bacterial cellulose nanofibers by flowing medium-assisted biosynthesis and influence of flowing velocity. <i>Journal of Polymer Engineering</i> , <b>2018</b> , 38, 299-305	1.4	4
20	Synthesis of ZnO by Chemical Bath Deposition in the Presence of Bacterial Cellulose. <i>Acta Metallurgica Sinica (English Letters)</i> , <b>2014</b> , 27, 656-662	2.5	4
19	In situ phosphorus K-edge X-ray absorption spectroscopy studies of calcium phosphate formation and transformation on the surface of bacterial cellulose nanofibers. <i>Cellulose</i> , <b>2014</b> , 21, 3303-3309	5.5	4
18	Three-dimensional braided fabrics-reinforced composites for load-bearing orthopedic applications Part I: mechanical performance. <i>International Journal of Materials Research</i> , <b>2011</b> , 102, 309-316	0.5	4
17	De novo strategy with engineering a multifunctional bacterial cellulose-based dressing for rapid healing of infected wounds.. <i>Bioactive Materials</i> , <b>2022</b> , 13, 212-222	16.7	4
16	Heparinization and hybridization of electrospun tubular graft for improved endothelialization and anticoagulation. <i>Materials Science and Engineering C</i> , <b>2021</b> , 122, 111861	8.3	4
15	Manipulating thermal conductivity of polyimide composites by hybridizing micro- and nano-sized aluminum nitride for potential aerospace usage. <i>Journal of Thermoplastic Composite Materials</i> , <b>2020</b> , 33, 1017-1029	1.9	4



14	A facile approach for engineering tissue constructs with vessel-like channels by cell-laden hydrogel fibers. <i>Materials Science and Engineering C</i> , <b>2019</b> , 101, 370-379	8.3	3
13	Flexible, robust and washable bacterial cellulose/silver nanowire conductive paper for high-performance electromagnetic interference shielding. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 960-968	13	3
12	Incorporation of dual nanoplatelets to a natural polymer for foldable, robust, bioactive, and biocompatible nacre-like nanocomposites. <i>Composites Part B: Engineering</i> , <b>2021</b> , 214, 108747	10	2
11	Improved properties of corn fiber-reinforced polylactide composites by incorporating silica nanoparticles at interfaces. <i>Polymers and Polymer Composites</i> , <b>2020</b> , 28, 170-179	0.8	2
10	Fabrication of a gradient hydrophobic surface with parallel ridges on pyrolytic carbon for artificial heart valves. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2021</b> , 205, 111894	6	2
9	Engineering bacteria for high-performance three-dimensional carbon nanofiber aerogel. <i>Carbon</i> , <b>2021</b> , 183, 267-276	10.4	2
8	Chemisorption of polysulfides by keto groups modified Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> nanofibers with 3D interwove network structure for LSBs. <i>Chemical Engineering Journal</i> , <b>2022</b> , 429, 132202	14.7	2
7	Designment of polydopamine/bacterial cellulose incorporating copper (II) sulfate as an antibacterial wound dressing.. <i>Materials Science and Engineering C</i> , <b>2021</b> , 112591	8.3	2
6	A facile green approach for fabricating bacterial cellulose scaffold with macroporous structure and cell affinity. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2019</b> , 34, 442-452	2	1
5	Rational design of bacterial cellulose-based air filter with antibacterial activity for highly efficient particulate matters removal. <i>Nano Select</i> ,	3.1	1
4	Fabrication of Robust, Shape Recoverable, Macroporous Bacterial Cellulose Scaffolds for Cartilage Tissue Engineering. <i>Macromolecular Bioscience</i> , <b>2021</b> , 21, e2100167	5.5	1
3	Enwrapping Polydopamine on Doxorubicin-Loaded Lamellar Hydroxyapatite/Poly(lactic--glycolic acid) Composite Fibers for Inhibiting Bone Tumor Recurrence and Enhancing Bone Regeneration.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 6036-6045	4.1	0
2	Microchannels in nano-submicro-fibrous cellulose scaffolds favor cell ingrowth. <i>Cellulose</i> , <b>2021</b> , 28, 9645-9659	5.5	0
1	A facile, biosynthetic design strategy for high-performance multifunctional bacterial cellulose-based dressing. <i>Composites Part B: Engineering</i> , <b>2022</b> , 238, 109945	10	0