

# Yun-bing Wang

## 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.

180  
papers

2,757  
citations

28  
h-index

43  
g-index

198  
ext. papers

4,131  
ext. citations

7.7  
avg, IF

5.85  
L-index

#	Paper	IF	Citations
180	Yes-associated protein contributes to magnesium alloy-derived inflammation in endothelial cells.. <i>International Journal of Energy Production and Management</i> , <b>2022</b> , 9, rbac002	5.3	1
179	Platelet Membrane-Coated Nanocarriers Targeting Plaques to Deliver Anti-CD47 Antibody for Atherosclerotic Therapy.. <i>Research</i> , <b>2022</b> , 2022, 9845459	7.8	3
178	Chitosan coated bacteria responsive metal-polyphenol coating as efficient platform for wound healing. <i>Composites Part B: Engineering</i> , <b>2022</b> , 234, 109665	10	2
177	Dissolving microneedle-encapsulated drug-loaded nanoparticles and recombinant humanized collagen type III for the treatment of chronic wound anti-inflammation and enhanced cell proliferation and angiogenesis.. <i>Nanoscale</i> , <b>2022</b> ,	7.7	3
176	Microfibrillated cellulose-enhanced carboxymethyl chitosan/oxidized starch sponge for chronic diabetic wound repair.. <i>Materials Science and Engineering C</i> , <b>2022</b> , 112669	8.3	1
175	Tannic and Gallic Conversion Coatings <b>2022</b> , 261-277		
174	Multiplexed nanomaterial-assisted laser desorption/ionization for pan-cancer diagnosis and classification.. <i>Nature Communications</i> , <b>2022</b> , 13, 617	17.4	6
173	Arsenic trioxide activates yes-associated protein by lysophosphatidic acid metabolism to selectively induce apoptosis of vascular smooth muscle cells.. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2022</b> , 1869, 119211	4.9	2
172	A strategy of functional crosslinking acellular matrix in blood-contacting implantable devices with recombinant humanized collagen type III (rhCOLIII). <i>Composites Part B: Engineering</i> , <b>2022</b> , 234, 109667	10	2
171	Sodium lignosulfonate cross-linked bioprosthetic heart valve materials for enhanced cytocompatibility, improved hemocompatibility, and reduced calcification. <i>Composites Part B: Engineering</i> , <b>2022</b> , 234, 109669	10	3
170	Surface modification of titanium implants by pH-Responsive coating designed for Self-Adaptive antibacterial and promoted osseointegration. <i>Chemical Engineering Journal</i> , <b>2022</b> , 435, 134802	14.7	1
169	Nonglutaraldehyde crosslinked bioprosthetic heart valves based on 2-isocyanatoethyl methacrylate crosslinked porcine pericardium with improved properties of stability, cytocompatibility and anti-calcification. <i>Composites Part B: Engineering</i> , <b>2022</b> , 230, 109504	10	5
168	Visible light-induced cross-linking of porcine pericardium for the improvement of endothelialization, anti-tearing, and anticalcification properties. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2022</b> , 110, 31-42	5.4	0
167	A facile and versatile superhydrophilic coating on biodegradable PLA stent with stepwise assembly of metal/phenolic networks for mimicking endothelium function. <i>Chemical Engineering Journal</i> , <b>2022</b> , 427, 130932	14.7	8
166	A robust mussel-inspired zwitterionic coating on biodegradable poly(L-lactide) stent with enhanced anticoagulant, anti-inflammatory, and anti-hyperplasia properties. <i>Chemical Engineering Journal</i> , <b>2022</b> , 427, 130910	14.7	6
165	Preparation and characterization of photopolymerized poly(l-lactide-ε-caprolactone-vinyl-2-pyrrolidone) network as anti-biofouling materials.. <i>RSC Advances</i> , <b>2022</b> , 12, 8708-8718	3.7	
164	A PEGylation method of fabricating bioprosthetic heart valves based on glutaraldehyde and 2-amino-4-pentenoic acid co-crosslinking with improved antithrombogenicity and cytocompatibility.. <i>Acta Biomaterialia</i> , <b>2022</b> ,	10.8	3

163	A Polyphenol-Network-Mediated Coating Modulates Inflammation and Vascular Healing on Vascular Stents.. <i>ACS Nano</i> , <b>2022</b> ,	16.7	3
162	A thrombin-triggered self-regulating anticoagulant strategy combined with anti-inflammatory capacity for blood-contacting implants.. <i>Science Advances</i> , <b>2022</b> , 8, eabm3378	14.3	3
161	Ag-Incorporated Polydopamine/Tannic Acid Coating on Titanium With Enhanced Cytocompatible and Antibacterial Properties.. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2022</b> , 10, 877738	5.8	0
160	Sustained gene delivery from inflammation-responsive anti-inflammatory hydrogels promotes extracellular matrix metabolism balance in degenerative nucleus pulposus. <i>Composites Part B: Engineering</i> , <b>2022</b> , 236, 109806	10	2
159	A nitric oxide-eluting and REDV peptide-conjugated coating promotes vascular healing.. <i>Biomaterials</i> , <b>2022</b> , 284, 121478	15.6	2
158	Injectable multifunctional hyaluronic acid/methylcellulose hydrogels for chronic wounds repairing.. <i>Carbohydrate Polymers</i> , <b>2022</b> , 289, 119456	10.3	3
157	A bioprosthetic heart valve prepared by copolymerization of 2-isocyanatoethyl methacrylate modified pericardium and functional monomer. <i>Composites Part B: Engineering</i> , <b>2022</b> , 238, 109922	10	2
156	Nanoparticles-stacked superhydrophilic coating supported synergistic antimicrobial ability for enhanced wound healing.. <i>Materials Science and Engineering C</i> , <b>2021</b> , 112535	8.3	1
155	A spatiotemporal release platform based on pH/ROS stimuli-responsive hydrogel in wound repairing. <i>Journal of Controlled Release</i> , <b>2021</b> , 341, 147-165	11.7	6
154	Dual-function hydrogels with sequential release of GSK3 $\beta$ inhibitor and VEGF inhibit inflammation and promote angiogenesis after stroke. <i>Chemical Engineering Journal</i> , <b>2021</b> , 133671	14.7	1
153	Research and Progress of Implantable Cardiovascular Materials and Devices. <i>Engineering</i> , <b>2021</b> , 7, 1707-1797	17.9	1
152	Microenvironment-responsive multifunctional hydrogels with spatiotemporal sequential release of tailored recombinant human collagen type III for the rapid repair of infected chronic diabetic wounds. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 9684-9699	7.3	5
151	A lipid droplet specific fluorescent probe for image-guided photodynamic therapy under hypoxia. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 9553-9560	7.3	3
150	A honokiol-mediated robust coating for blood-contacting devices with anti-inflammatory, antibacterial and antithrombotic properties. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 9770-9783	7.3	3
149	A Uniform and Robust Bioinspired Zwitterion Coating for Use in Blood-Contacting Catheters with Improved Anti-Inflammatory and Antithrombotic Properties. <i>Macromolecular Bioscience</i> , <b>2021</b> , 21, e2100341	5.5	2
148	Intrinsic Antibacterial and Conductive Hydrogels Based on the Distinct Bactericidal Effect of Polyaniline for Infected Chronic Wound Healing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> ,	9.5	4
147	Glycidyl methacrylate-crosslinked fish swim bladder as a novel cardiovascular biomaterial with improved antithrombotic and anticalcification properties. <i>Journal of Biomaterials Applications</i> , <b>2021</b> , 8853282211054205	2.9	1
146	The study of dry biological valve crosslinked with a combination of carbodiimide and polyphenol. <i>International Journal of Energy Production and Management</i> , <b>2021</b> , 8, rbaa049	5.3	3

145	Cross-Linking Porcine Pericardium by 3,4-Dihydroxybenzaldehyde: A Novel Method to Improve the Biocompatibility of Bioprosthetic Valve. <i>Biomacromolecules</i> , <b>2021</b> , 22, 823-836	6.9	4
144	A combination of hydrogen bonding and chemical covalent crosslinking to fabricate a novel swim-bladder-derived dry heart valve material yields advantageous mechanical and biological properties. <i>Biomedical Materials (Bristol)</i> , <b>2021</b> , 16, 015014	3.5	3
143	The biological responses and mechanisms of endothelial cells to magnesium alloy. <i>International Journal of Energy Production and Management</i> , <b>2021</b> , 8, rbab017	5.3	5
142	Polyzwitterion-crosslinked hybrid tissue with antithrombogenicity, endothelialization, anticalcification properties. <i>Chemical Engineering Journal</i> , <b>2021</b> , 410, 128244	14.7	8
141	NT5DC2 promotes leiomyosarcoma tumour cell growth via stabilizing unpalmitoylated TEAD4 and generating a positive feedback loop. <i>Journal of Cellular and Molecular Medicine</i> , <b>2021</b> , 25, 5976	5.6	6
140	Dual-crosslinked mussel-inspired smart hydrogels with enhanced antibacterial and angiogenic properties for chronic infected diabetic wound treatment via pH-responsive quick cargo release. <i>Chemical Engineering Journal</i> , <b>2021</b> , 411, 128564	14.7	50
139	Nonglutaraldehyde treated porcine pericardium with good biocompatibility, reduced calcification and improved Anti-coagulation for bioprosthetic heart valve applications. <i>Chemical Engineering Journal</i> , <b>2021</b> , 414, 128900	14.7	7
138	Foldable Glistening-Free Acrylic Intraocular Lens Biomaterials with Dual-Side Heterogeneous Surface Modification for Postoperative Endophthalmitis and Posterior Capsule Opacification Prophylaxis. <i>Biomacromolecules</i> , <b>2021</b> , 22, 3510-3521	6.9	1
137	The influence of substrate stiffness on osteogenesis of vascular smooth muscle cells. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2021</b> , 197, 111388	6	2
136	Inorganic-polymerization crosslinked tissue-siloxane hybrid as potential biomaterial for bioprosthetic heart valves. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2021</b> , 109, 754-765	5.4	6
135	Photo-functionalized TiO nanotubes decorated with multifunctional Ag nanoparticles for enhanced vascular biocompatibility. <i>Bioactive Materials</i> , <b>2021</b> , 6, 45-54	16.7	11
134	A novel mechanism of inhibiting in-stent restenosis with arsenic trioxide drug-eluting stent: Enhancing contractile phenotype of vascular smooth muscle cells via YAP pathway. <i>Bioactive Materials</i> , <b>2021</b> , 6, 375-385	16.7	10
133	Epigallocatechin gallate mediated sandwich-like coating for mimicking endothelium with sustained therapeutic nitric oxide generation and heparin release. <i>Biomaterials</i> , <b>2021</b> , 269, 120418	15.6	20
132	A method for simultaneously crosslinking and functionalizing extracellular matrix-based biomaterials as bioprosthetic heart valves with enhanced endothelialization and reduced inflammation. <i>Acta Biomaterialia</i> , <b>2021</b> , 119, 89-100	10.8	12
131	Substrate stiffness differentially impacts autophagy of endothelial cells and smooth muscle cells. <i>Bioactive Materials</i> , <b>2021</b> , 6, 1413-1422	16.7	12
130	Poly (dimethyl diallyl ammonium chloride) incorporated multilayer coating on biodegradable AZ31 magnesium alloy with enhanced resistance to chloride corrosion and promoted endothelialization. <i>Chemical Engineering Journal</i> , <b>2021</b> , 421, 127724	14.7	8
129	A transparent hydrophilic anti-biofouling coating for intraocular lens materials prepared by "bridging" of the intermediate adhesive layer. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 3696-3704	7.3	6
128	Photopolymerized poly(l-lactide--vinyl-2-pyrrolidone) network resists cell adhesion .. <i>RSC Advances</i> , <b>2021</b> , 11, 20997-21005	3.7	1

127	Turn-on fluorescent probe for lipid droplet specific imaging of fatty liver and atherosclerosis. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 4050-4055	7.3	9
126	An ultralow dose paclitaxel coated drug balloon with an outer protective sheath for peripheral arterial disease treatment. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 2428-2435	7.3	1
125	Conductive dual hydrogen bonding hydrogels for the electrical stimulation of infected chronic wounds. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 8138-8146	7.3	4
124	Alternatives to Conventional Antibiotic Therapy: Potential Therapeutic Strategies of Combating Antimicrobial-Resistance and Biofilm-Related Infections. <i>Molecular Biotechnology</i> , <b>2021</b> , 63, 1103-1124	3	5
123	Biomimetic-Coated Nanoplatfom with Lipid-Specific Imaging and ROS Responsiveness for Atherosclerosis-Targeted Theranostics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 35410-35421	9.5	8
122	Inflammation-Responsive Drug-Loaded Hydrogels with Sequential Hemostasis, Antibacterial, and Anti-Inflammatory Behavior for Chronically Infected Diabetic Wound Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 33584-33599	9.5	28
121	Fluid shear stress activates YAP to promote epithelial-mesenchymal transition in hepatocellular carcinoma. <i>Molecular Oncology</i> , <b>2021</b> , 15, 3164-3183	7.9	4
120	Dressing Blood-Contacting Materials by a Stable Hydrogel Coating with Embedded Antimicrobial Peptides for Robust Antibacterial and Antithrombus Properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 38947-38958	9.5	6
119	Multifarious anti-biofouling bioprosthetic heart valve materials with the formation of interpenetrating polymer network structures. <i>Materials and Design</i> , <b>2021</b> , 206, 109803	8.1	4
118	A multi-in-one strategy with glucose-triggered long-term antithrombogenicity and sequentially enhanced endothelialization for biological valve leaflets. <i>Biomaterials</i> , <b>2021</b> , 275, 120981	15.6	8
117	A tailored extracellular matrix (ECM) - Mimetic coating for cardiovascular stents by stepwise assembly of hyaluronic acid and recombinant human type III collagen. <i>Biomaterials</i> , <b>2021</b> , 276, 121055	15.6	14
116	Microneedle-mediated vascular endothelial growth factor delivery promotes angiogenesis and functional recovery after stroke. <i>Journal of Controlled Release</i> , <b>2021</b> , 338, 610-622	11.7	5
115	A lipid droplets specific probe for imaging of atherosclerosis and fibrocalcific bicuspid aortic valves. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 346, 130458	8.5	2
114	Bone physiological microenvironment and healing mechanism: Basis for future bone-tissue engineering scaffolds. <i>Bioactive Materials</i> , <b>2021</b> , 6, 4110-4140	16.7	48
113	miR-22 eluting cardiovascular stent based on a self-healable spongy coating inhibits in-stent restenosis. <i>Bioactive Materials</i> , <b>2021</b> , 6, 4686-4696	16.7	7
112	Chemical bonding of biological valve leaflets with an aminated zwitterionic copolymer for long-term anticoagulation and improved anti-calcification. <i>Chemical Engineering Journal</i> , <b>2021</b> , 426, 131803	14.7	3
111	Crosslinking porcine aortic valve by radical polymerization for the preparation of BHVs with improved cytocompatibility, mild immune response, and reduced calcification. <i>Journal of Biomaterials Applications</i> , <b>2021</b> , 35, 1218-1232	2.9	1
110	A bifunctional mitochondrial targeting AIE-active fluorescent probe with high sensitivity to hydrogen peroxide and viscosity for fatty liver diagnosis. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 12138-12144	2.6	2

109	A conformally adapted all-in-one hydrogel coating: towards robust hemocompatibility and bactericidal activity. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 2697-2708	7.3	14
108	A bioprosthetic heart valve cross-linked by a non-glutaraldehyde reagent with improved biocompatibility, endothelialization, anti-coagulation and anti-calcification properties. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 4031-4038	7.3	3
107	A two-photon AIE fluorophore as a photosensitizer for highly efficient mitochondria-targeted photodynamic therapy. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 9355-9364	3.6	10
106	Reactive Oxygen Species Responsive Theranostic Nanoplatform for Two-Photon Aggregation-Induced Emission Imaging and Therapy of Acute and Chronic Inflammation. <i>ACS Nano</i> , <b>2020</b> , 14, 5862-5873	16.7	53
105	Dual-responsive injectable hydrogels encapsulating drug-loaded micelles for on-demand antimicrobial activity and accelerated wound healing. <i>Journal of Controlled Release</i> , <b>2020</b> , 324, 204-217	11.7	59
104	Biodegradable phosphorylcholine copolymer for cardiovascular stent coating. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 5361-5368	7.3	13
103	pH and singlet oxygen dual-responsive GEM prodrug micelles for efficient combination therapy of chemotherapy and photodynamic therapy. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 5645-5654	7.3	11
102	Pre-mounted dry TAVI valve with improved endothelialization potential using REDV-loaded PEGMA hydrogel hybrid pericardium. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 2689-2701	7.3	10
101	Tough pNAGA hydrogel hybridized porcine pericardium for the pre-mounted TAVI valve with improved anti-tearing properties and hemocompatibility. <i>Biomedical Materials (Bristol)</i> , <b>2020</b> , 15, 065013	3.5	6
100	Catechol-mediated and copper-incorporated multilayer coating: An endothelium-mimetic approach for blood-contacting devices. <i>Journal of Controlled Release</i> , <b>2020</b> , 321, 59-70	11.7	12
99	Flexible and self-healing electrochemical hydrogel sensor with high efficiency toward glucose monitoring. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 155, 112105	11.8	30
98	Performance of PEGylated chitosan and poly (L-lactic acid-co-ε-caprolactone) bilayer vascular grafts in a canine femoral artery model. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 188, 110806	6	11
97	Polycaprolactone vascular graft with epigallocatechin gallate embedded sandwiched layer-by-layer functionalization for enhanced antithrombogenicity and anti-inflammation. <i>Journal of Controlled Release</i> , <b>2020</b> , 320, 226-238	11.7	18
96	Multi-stimuli responsive polymeric prodrug micelles for combined chemotherapy and photodynamic therapy. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 5267-5279	7.3	22
95	Integrated prodrug micelles with two-photon bioimaging and pH-triggered drug delivery for cancer theranostics. <i>International Journal of Energy Production and Management</i> , <b>2020</b> , 7, 171-180	5.3	8
94	Hierarchical Capillary Coating to Biofunctionalize Drug-Eluting Stent for Improving Endothelium Regeneration. <i>Research</i> , <b>2020</b> , 2020, 1458090	7.8	8
93	Nanomaterials augmented LDI-TOF-MS for pancreatic ductal adenocarcinoma diagnosis and classification.. <i>Journal of Clinical Oncology</i> , <b>2020</b> , 38, e16761-e16761	2.2	
92	Experimental and Numerical Simulation of Biodegradable Stents with Different Strut Geometries. <i>Cardiovascular Engineering and Technology</i> , <b>2020</b> , 11, 36-46	2.2	12

91	Systematic screening identifies a 2-gene signature as a high-potential prognostic marker of undifferentiated pleomorphic sarcoma/myxofibrosarcoma. <i>Journal of Cellular and Molecular Medicine</i> , <b>2020</b> , 24, 1010-1021	5.6	16
90	ROS Responsive Nanoplatfom with Two-Photon AIE Imaging for Atherosclerosis Diagnosis and "Two-Pronged" Therapy. <i>Small</i> , <b>2020</b> , 16, e2003253	11	20
89	Preclinical study of a self-expanding pulmonary valve for the treatment of pulmonary valve disease. <i>International Journal of Energy Production and Management</i> , <b>2020</b> , 7, 609-618	5.3	2
88	Transdermal delivery of peptide and protein drugs: Strategies, advantages and disadvantages. <i>Journal of Drug Delivery Science and Technology</i> , <b>2020</b> , 60, 102007	4.5	12
87	Superhydrophilic versus normal polydopamine coating: A superior and robust platform for synergistic antibacterial and antithrombotic properties. <i>Chemical Engineering Journal</i> , <b>2020</b> , 402, 126196 <sup>14.7</sup>	14.7	35
86	Biodegradable synthetic polymeric composite scaffold-based tissue engineered heart valve with minimally invasive transcatheter implantation. <i>Polymers for Advanced Technologies</i> , <b>2020</b> , 31, 2422-2432 <sup>3.2</sup>	3.2	4
85	Phosphorylcholine- and cation-bearing copolymer coating with superior antibiofilm and antithrombotic properties for blood-contacting devices. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 8433-8443 <sup>7.3</sup>	7.3	11
84	Extracellular matrix coating improves the biocompatibility of polymeric heart valves. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 10616-10629	7.3	5
83	Heart Valves Cross-Linked with Erythrocyte Membrane Drug-Loaded Nanoparticles as a Biomimetic Strategy for Anti-coagulation, Anti-inflammation, Anti-calcification, and Endothelialization. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 41113-41126	9.5	18
82	Highly Stretchable and Conductive Self-Healing Hydrogels for Temperature and Strain Sensing and Chronic Wound Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 40990-40999	9.5	34
81	PEGylated chitosan and PEGylated PLCL for blood vessel repair: An in vitro study. <i>Journal of Biomaterials Applications</i> , <b>2020</b> , 34, 778-789	2.9	3
80	ROS and GSH Dual-Responsive GEM Prodrug Micelles for ROS-Triggered Fluorescence Turn on Bioimaging and Cancer Therapy. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 2000294	4.6	3
79	Enzyme-oxidative-polymerization method for improving glycosaminoglycans stability and reducing calcification in bioprosthetic heart valves. <i>Biomedical Materials (Bristol)</i> , <b>2019</b> , 14, 025012	3.5	3
78	Peptide-/Drug-Directed Self-Assembly of Hybrid Polyurethane Hydrogels for Wound Healing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 37147-37155	9.5	43
77	A synergistic antibacterial effect between terbium ions and reduced graphene oxide in a poly(vinyl alcohol)-alginate hydrogel for treating infected chronic wounds. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 538-547	7.3	25
76	Hydrogel hybrid porcine pericardium for the fabrication of a pre-mounted TAVI valve with improved biocompatibility. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 1427-1434	7.3	9
75	A thermo-sensitive, injectable and biodegradable in situ hydrogel as a potential formulation for uveitis treatment. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 4402-4412	7.3	14
74	Multifunctional Two-Photon AIE Luminogens for Highly Mitochondria-Specific Bioimaging and Efficient Photodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 20715-20724	9.5	54

73	A two-photon fluorophore labeled multi-functional drug carrier for targeting cancer therapy, inflammation restraint and AIE active bioimaging. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 3894-3908	7.3	3
72	Two-photon AIE probe conjugated theranostic nanoparticles for tumor bioimaging and pH-sensitive drug delivery. <i>Nano Research</i> , <b>2019</b> , 12, 1703-1712	10	15
71	Oxidation-Responsive and Aggregation-Induced Emission Polymeric Micelles with Two-Photon Excitation for Cancer Therapy and Bioimaging. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 2577-2586	5.5	14
70	Hyaluronic acid-curcumin conjugate suppresses the fibrotic functions of myofibroblasts from contractive joint by the PTGER2 demethylation. <i>International Journal of Energy Production and Management</i> , <b>2019</b> , 6, 269-277	5.3	6
69	Hybrid Pericardium with VEGF-Loaded Hyaluronic Acid Hydrogel Coating to Improve the Biological Properties of Bioprosthetic Heart Valves. <i>Macromolecular Bioscience</i> , <b>2019</b> , 19, e1800390	5.5	8
68	Exogenous hyaluronic acid and chondroitin sulfate crosslinking treatment for increasing the amount and stability of glycosaminoglycans in bioprosthetic heart valves. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2019</b> , 30, 38	4.5	2
67	In-situ doping of a conductive hydrogel with low protein absorption and bacterial adhesion for electrical stimulation of chronic wounds. <i>Acta Biomaterialia</i> , <b>2019</b> , 89, 217-226	10.8	42
66	Cross-Linking Methacrylated Porcine Pericardium by Radical Polymerization Confers Enhanced Extracellular Matrix Stability, Reduced Calcification, and Mitigated Immune Response to Bioprosthetic Heart Valves. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 1822-1832	5.5	16
65	A novel anti-calcification method for bioprosthetic heart valves using dopamine-modified alginate. <i>Polymer Bulletin</i> , <b>2019</b> , 76, 1423-1434	2.4	4
64	Dual-Responsive Micelles with Aggregation-Induced Emission Feature and Two-Photon Absorption for Accurate Drug Delivery and Bioimaging. <i>Bioconjugate Chemistry</i> , <b>2019</b> , 30, 2075-2087	6.3	14
63	Scaffold with Micro/Macro-Architecture for Myocardial Alignment Engineering into Complex 3D Cell Patterns. <i>Advanced Healthcare Materials</i> , <b>2019</b> , 8, e1901015	10.1	9
62	The bifunctional SDF-1-AnxA5 fusion protein protects cardiac function after myocardial infarction. <i>Journal of Cellular and Molecular Medicine</i> , <b>2019</b> , 23, 7673-7684	5.6	13
61	Multistep Instead of One-Step: A Versatile and Multifunctional Coating Platform for Biocompatible Corrosion Protection. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 6541-6556	5.5	6
60	Synergistic Chemical and Photodynamic Antimicrobial Therapy for Enhanced Wound Healing Mediated by Multifunctional Light-Responsive Nanoparticles. <i>Biomacromolecules</i> , <b>2019</b> , 20, 4581-4592	6.9	53
59	Bionic Tea Stain-Like, All-Nanoparticle Coating for Biocompatible Corrosion Protection. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1900899	4.6	10
58	Green Tea Polyphenol Induced Mg-rich Multilayer Conversion Coating: Toward Enhanced Corrosion Resistance and Promoted In Situ Endothelialization of AZ31 for Potential Cardiovascular Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 41165-41177	9.5	35
57	Micelle-embedded coating with ebselen for nitric oxide generation. <i>Medical Gas Research</i> , <b>2019</b> , 9, 176-183	18.3	2
56	Micelle-Embedded Layer-by-Layer Coating with Catechol and Phenylboronic Acid for Tunable Drug Loading, Sustained Release, Mild Tissue Response, and Selective Cell Fate for Re-endothelialization. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 10337-10350	9.5	31



55	Riboflavin photo-cross-linking method for improving elastin stability and reducing calcification in bioprosthetic heart valves. <i>Xenotransplantation</i> , <b>2019</b> , 26, e12481	2.8	4
54	Tissue Engineering: Scaffold with Micro/Macro-Architecture for Myocardial Alignment Engineering into Complex 3D Cell Patterns (Adv. Healthcare Mater. 22/2019). <i>Advanced Healthcare Materials</i> , <b>2019</b> , 8, 1970087	10.1	1
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50	Thermo-triggered ultrafast self-healing of microporous coating for on-demand encapsulation of biomacromolecules. <i>Biomaterials</i> , <b>2019</b> , 192, 15-25	15.6	16
49	EGCG and enzymatic cross-linking combined treatments for improving elastin stability and reducing calcification in bioprosthetic heart valves. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2019</b> , 107, 1551-1559	3.5	5
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43	Cation- $\pi$ interaction-directed formation of functional vesicles and their biological application for nucleus-specific imaging. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 9187-9192	3.6	4
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39	Bioprosthetic heart valves- $\beta$ structural integrity improvement through exogenous amino donor treatments. <i>Journal of Materials Research</i> , <b>2018</b> , 33, 2576-2585	2.5	3
38	Redox and pH Dual-Responsive Polymeric Micelles with Aggregation-Induced Emission Feature for Cellular Imaging and Chemotherapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 18489-18498	9.5	65

37	High-performance porous polylactide stereocomplex crystallite scaffolds prepared by solution blending and salt leaching. <i>Materials Science and Engineering C</i> , <b>2018</b> , 90, 602-609	8.3	38
36	Multifunctional coatings that mimic the endothelium: surface bound active heparin nanoparticles with in situ generation of nitric oxide from nitrosothiols. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 5582-5595	7.3	25
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34	Micelles prepared from poly(N-isopropylacrylamide-co-tetraphenylethene acrylate)-b-poly[oligo(ethylene glycol) methacrylate] double hydrophilic block copolymer as hydrophilic drug carrier. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 7495-7502	7.3	6
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32	The tropoelastin and lysyl oxidase treatments increased the content of insoluble elastin in bioprosthetic heart valves. <i>Journal of Biomaterials Applications</i> , <b>2018</b> , 33, 637-646	2.9	7
31	Radical polymerization-crosslinking method for improving extracellular matrix stability in bioprosthetic heart valves with reduced potential for calcification and inflammatory response. <i>Acta Biomaterialia</i> , <b>2018</b> , 82, 44-55	10.8	45
30	Catechol/polyethyleneimine conversion coating with enhanced corrosion protection of magnesium alloys: potential applications for vascular implants. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 6936-6949	7.3	29
29	Coaxial electrospinning multicomponent functional controlled-release vascular graft: Optimization of graft properties. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 152, 432-439	6	19
28	Disassembly of micelle-like polyethylenimine nanocomplexes for siRNA delivery: High transfection efficiency and reduced toxicity achieved by simple reducible lipid modification. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 504, 633-644	9.3	10
27	Nanostructured Multilayer Films Assembled from Poly(dopamine)-Coated Carbon Nanotubes for Controlling Cell Behavior. <i>ChemNanoMat</i> , <b>2017</b> , 3, 319-327	3.5	4
26	High contrast stimuli-responsive luminescence switching of pyrene-1-carboxylic esters triggered by a crystal-to-crystal transition. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 13784-13791	3.6	17
25	Redox-Sensitive Polymeric Micelles Based on Tetraphenylethylene-Conjugated Copolymer for Aggregation-Induced Emission Active Imaging and Drug Delivery. <i>Journal of Biomedical Nanotechnology</i> , <b>2017</b> , 13, 1480-1489	4	5
24	Platelet Adhesion and Activation on Chiral Surfaces: The Influence of Protein Adsorption. <i>Langmuir</i> , <b>2017</b> , 33, 10402-10410	4	12
23	Cation-Anion interaction directed dual-mode switchable mechanochromic luminescence. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 8527-8534	7.1	11
22	The application of antitumor drug-targeting models on liver cancer. <i>Drug Delivery</i> , <b>2016</b> , 23, 1667-75	7	3
21	Multifunctional mussel-inspired copolymerized epigallocatechin gallate (EGCG)/arginine coating: the potential as an ad-layer for vascular materials. <i>International Journal of Energy Production and Management</i> , <b>2016</b> , 3, 247-255	5.3	4
20	A pH-Sensitive Phospholipid Polymeric Prodrug Based on Branched Polyethylenimine for Intracellular Drug Delivery. <i>Macromolecular Chemistry and Physics</i> , <b>2016</b> , 217, 2049-2055	2.6	6

19	Drug carrier system self-assembled from biomimetic polyphosphorycholine and biodegradable polypeptide based diblock copolymers. <i>Polymer</i> , <b>2016</b> , 100, 45-55	3.9	22
18	Dopamine-assisted deposition of poly (ethylene imine) for efficient heparinization. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 144, 90-98	6	26
17	Preparation of organic mechanochromic fluorophores with simple structures and promising mechanochromic luminescence properties. <i>RSC Advances</i> , <b>2016</b> , 6, 84787-84793	3.7	13
16	Highly specific probe for dual-emissive mitochondrial imaging based on a photostable and aqueous-soluble phosphonium fluorophore. <i>RSC Advances</i> , <b>2016</b> , 6, 94085-94091	3.7	4
15	Stability research on polydopamine and immobilized albumin on 316L stainless steel. <i>International Journal of Energy Production and Management</i> , <b>2016</b> , 3, 277-284	5.3	7
14	Electrospun silk fibroin/poly (L-lactide-ε-caplacton) graft with platelet-rich growth factor for inducing smooth muscle cell growth and infiltration. <i>International Journal of Energy Production and Management</i> , <b>2016</b> , 3, 239-45	5.3	17
13	In situ synthesis of multidentate PEGylated chitosan modified gold nanoparticles with good stability and biocompatibility. <i>RSC Advances</i> , <b>2015</b> , 5, 70109-70116	3.7	26
12	A pH-responsive drug delivery system with an aggregation-induced emission feature for cell imaging and intracellular drug delivery. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 4715-4718	4.9	67
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10	Evolution of implantable and insertable drug delivery systems. <i>Journal of Controlled Release</i> , <b>2014</b> , 181, 1-10	11.7	104
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6	Synthesis of Polybutadiene-Polylactide Diblock Copolymers Using Aluminum Alkoxide Macroinitiators. Kinetics and Mechanism. <i>Macromolecules</i> , <b>2000</b> , 33, 7395-7403	5.5	63
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3	Controlled Radical Copolymerization of Styrene and the Macromonomer of PEO with a Methacryloyl End Group. <i>Macromolecules</i> , <b>1998</b> , 31, 4057-4060	5.5	28
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