

# Yun-bing Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

193  
papers

5,763  
citations

94433

37  
h-index

118850

62  
g-index

198  
all docs

198  
docs citations

198  
times ranked

4890  
citing authors

#	ARTICLE	IF	CITATIONS
1	Processing and properties of porous poly(l-lactide)/bioactive glass composites. <i>Biomaterials</i> , 2004, 25, 2489-2500.	11.4	211
2	Polyethylene-poly(L-lactide) diblock copolymers: Synthesis and compatibilization of poly(L-lactide)/polyethylene blends. <i>Journal of Polymer Science Part A</i> , 2001, 39, 2755-2766.	2.3	193
3	Bone physiological microenvironment and healing mechanism: Basis for future bone-tissue engineering scaffolds. <i>Bioactive Materials</i> , 2021, 6, 4110-4140.	15.6	191
4	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> , 2021, 13, 33584-33599.	8.0	175
5	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> , 2021, 411, 128564.	12.7	168
6	Dual-responsive injectable hydrogels encapsulating drug-loaded micelles for on-demand antimicrobial activity and accelerated wound healing. <i>Journal of Controlled Release</i> , 2020, 324, 204-217.	9.9	145
7	Evolution of implantable and insertable drug delivery systems. <i>Journal of Controlled Release</i> , 2014, 181, 1-10.	9.9	139
8	A spatiotemporal release platform based on pH/ROS stimuli-responsive hydrogel in wound repairing. <i>Journal of Controlled Release</i> , 2022, 341, 147-165.	9.9	111
9	Synergistic Chemical and Photodynamic Antimicrobial Therapy for Enhanced Wound Healing Mediated by Multifunctional Light-Responsive Nanoparticles. <i>Biomacromolecules</i> , 2019, 20, 4581-4592.	5.4	104
10	Reactive Oxygen Species Responsive Theranostic Nanoplatform for Two-Photon Aggregation-Induced Emission Imaging and Therapy of Acute and Chronic Inflammation. <i>ACS Nano</i> , 2020, 14, 5862-5873.	14.6	100
11	Multifunctional Two-Photon AIE Luminogens for Highly Mitochondria-Specific Bioimaging and Efficient Photodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 20715-20724.	8.0	94
12	Redox and pH Dual-Responsive Polymeric Micelles with Aggregation-Induced Emission Feature for Cellular Imaging and Chemotherapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 18489-18498.	8.0	91
13	A pH-responsive drug delivery system with an aggregation-induced emission feature for cell imaging and intracellular drug delivery. <i>Polymer Chemistry</i> , 2015, 6, 4715-4718.	3.9	82
14	Peptide-/Drug-Directed Self-Assembly of Hybrid Polyurethane Hydrogels for Wound Healing. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 37147-37155.	8.0	81
15	In-situ doping of a conductive hydrogel with low protein absorption and bacterial adhesion for electrical stimulation of chronic wounds. <i>Acta Biomaterialia</i> , 2019, 89, 217-226.	8.3	80
16	pH-sensitive doxorubicin-conjugated prodrug micelles with charge-conversion for cancer therapy. <i>Acta Biomaterialia</i> , 2018, 70, 186-196.	8.3	79
17	Superhydrophilic versus normal polydopamine coating: A superior and robust platform for synergistic antibacterial and antithrombotic properties. <i>Chemical Engineering Journal</i> , 2020, 402, 126196.	12.7	78
18	Highly Stretchable and Conductive Self-Healing Hydrogels for Temperature and Strain Sensing and Chronic Wound Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 40990-40999.	8.0	75

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19	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> , 2018, 82, 44-55.	8.3	69
20	Synthesis of Polybutadiene- <i>b</i> -Polylactide Diblock Copolymers Using Aluminum Alkoxide Macroinitiators. <i>Kinetics and Mechanism. Macromolecules</i> , 2000, 33, 7395-7403.	4.8	68
21	Flexible and self-healing electrochemical hydrogel sensor with high efficiency toward glucose monitoring. <i>Biosensors and Bioelectronics</i> , 2020, 155, 112105.	10.1	68
22	Green Tea Polyphenol Induced Mg <sup>2+</sup> -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> , 2019, 11, 41165-41177.	8.0	65
23	Epigallocatechin gallate mediated sandwich-like coating for mimicking endothelium with sustained therapeutic nitric oxide generation and heparin release. <i>Biomaterials</i> , 2021, 269, 120418.	11.4	61
24	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> , 2021, 276, 121055.	11.4	58
25	Redox-Responsive Biomimetic Polymeric Micelle for Simultaneous Anticancer Drug Delivery and Aggregation-Induced Emission Active Imaging. <i>Bioconjugate Chemistry</i> , 2018, 29, 1897-1910.	3.6	54
26	Catechol/polyethyleneimine conversion coating with enhanced corrosion protection of magnesium alloys: potential applications for vascular implants. <i>Journal of Materials Chemistry B</i> , 2018, 6, 6936-6949.	5.8	49
27	ROS Responsive Nanoplatform with Two-Photon AIE Imaging for Atherosclerosis Diagnosis and $\alpha$ -Pronged Therapy. <i>Small</i> , 2020, 16, e2003253.	10.0	49
28	Construction of multifunctional wound dressings with their application in chronic wound treatment. <i>Biomaterials Science</i> , 2022, 10, 4058-4076.	5.4	49
29	A synergistic antibacterial effect between terbium ions and reduced graphene oxide in a poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 2019, 7, 538-547.	5.8	48
30	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> , 2019, 11, 10337-10350.	8.0	48
31	High-performance porous polylactide stereocomplex crystallite scaffolds prepared by solution blending and salt leaching. <i>Materials Science and Engineering C</i> , 2018, 90, 602-609.	7.3	46
32	Development of Innovative Biomaterials and Devices for the Treatment of Cardiovascular Diseases. <i>Advanced Materials</i> , 2022, 34, .	21.0	46
33	Chromium Cross-Linking Based Immobilization of Silver Nanoparticle Coating on Leather Surface with Broad-Spectrum Antimicrobial Activity and Durability. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 2352-2363.	8.0	44
34	Multifunctional coatings that mimic the endothelium: surface bound active heparin nanoparticles with <i>in situ</i> generation of nitric oxide from nitrosothiols. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5582-5595.	5.8	43
35	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> , 2021, 13, 52308-52320.	8.0	41
36	Vascular restoration therapy and bioresorbable vascular scaffold. <i>International Journal of Energy Production and Management</i> , 2014, 1, 49-55.	3.7	40

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37	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> , 2020, 12, 41113-41126.	8.0	40
38	Microneedle-mediated vascular endothelial growth factor delivery promotes angiogenesis and functional recovery after stroke. <i>Journal of Controlled Release</i> , 2021, 338, 610-622.	9.9	40
39	Injectable multifunctional hyaluronic acid/methylcellulose hydrogels for chronic wounds repairing. <i>Carbohydrate Polymers</i> , 2022, 289, 119456.	10.2	40
40	Polycaprolactone vascular graft with epigallocatechin gallate embedded sandwiched layer-by-layer functionalization for enhanced antithrombogenicity and anti-inflammation. <i>Journal of Controlled Release</i> , 2020, 320, 226-238.	9.9	39
41	Coaxial electrospinning multicomponent functional controlled-release vascular graft: Optimization of graft properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 152, 432-439.	5.0	37
42	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> , 2022, 427, 130910.	12.7	36
43	Multi-stimuli responsive polymeric prodrug micelles for combined chemotherapy and photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5267-5279.	5.8	35
44	Polyzwitterion-crosslinked hybrid tissue with antithrombogenicity, endothelialization, anticalcification properties. <i>Chemical Engineering Journal</i> , 2021, 410, 128244.	12.7	34
45	Synthesis and Characterization of a Novel Macroinitiator of Poly(ethylene oxide) with a 4-Hydroxy-2,2,6,6-tetramethylpiperidinyloxy End Group: Initiation of the Polymerization of Styrene by a Living Radical Mechanism. <i>Macromolecules</i> , 1999, 32, 2480-2483.	4.8	33
46	Dopamine-assisted deposition of poly (ethylene imine) for efficient heparinization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 144, 90-98.	5.0	33
47	Biomimetic-Coated Nanoplatfom with Lipid-Specific Imaging and ROS Responsiveness for Atherosclerosis-Targeted Theranostics. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 35410-35421.	8.0	33
48	A Polyphenol-Network-Mediated Coating Modulates Inflammation and Vascular Healing on Vascular Stents. <i>ACS Nano</i> , 2022, 16, 6585-6597.	14.6	33
49	Dual-Responsive Doxorubicin-Conjugated Polymeric Micelles with Aggregation-Induced Emission Active Bioimaging and Charge Conversion for Cancer Therapy. <i>Bioconjugate Chemistry</i> , 2018, 29, 4050-4061.	3.6	32
50	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> , 2019, 5, 1822-1832.	5.2	32
51	Catechol-mediated and copper-incorporated multilayer coating: An endothelium-mimetic approach for blood-contacting devices. <i>Journal of Controlled Release</i> , 2020, 321, 59-70.	9.9	32
52	Recognition by Lipases of $\alpha$ -Hydroxyl Macroinitiators for Diblock Copolymer Synthesis. <i>Macromolecules</i> , 2002, 35, 7606-7611.	4.8	31
53	Injectable conductive and angiogenic hydrogels for chronic diabetic wound treatment. <i>Journal of Controlled Release</i> , 2022, 344, 249-260.	9.9	31
54	Controlled Radical Copolymerization of Styrene and the Macromonomer of PEO with a Methacryloyl End Group. <i>Macromolecules</i> , 1998, 31, 4057-4060.	4.8	30

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55	A biomimetic and pH-sensitive polymeric micelle as carrier for paclitaxel delivery. <i>International Journal of Energy Production and Management</i> , 2018, 5, 15-24.	3.7	30
56	Substrate stiffness differentially impacts autophagy of endothelial cells and smooth muscle cells. <i>Bioactive Materials</i> , 2021, 6, 1413-1422.	15.6	30
57	A conformally adapted all-in-one hydrogel coating: towards robust hemocompatibility and bactericidal activity. <i>Journal of Materials Chemistry B</i> , 2021, 9, 2697-2708.	5.8	30
58	Reusable electrochemical non-enzymatic glucose sensors based on Au-inlaid nanocages. <i>Nano Research</i> , 2022, 15, 6490-6499.	10.4	30
59	In situ synthesis of multidentate PEGylated chitosan modified gold nanoparticles with good stability and biocompatibility. <i>RSC Advances</i> , 2015, 5, 70109-70116.	3.6	29
60	Dissolving microneedle-encapsulated drug-loaded nanoparticles and recombinant humanized collagen type III for the treatment of chronic wound <i>via</i> anti-inflammation and enhanced cell proliferation and angiogenesis. <i>Nanoscale</i> , 2022, 14, 1285-1295.	5.6	29
61	Turn-on fluorescent probe for lipid droplet specific imaging of fatty liver and atherosclerosis. <i>Journal of Materials Chemistry B</i> , 2021, 9, 4050-4055.	5.8	28
62	A thrombin-triggered self-regulating anticoagulant strategy combined with anti-inflammatory capacity for blood-contacting implants. <i>Science Advances</i> , 2022, 8, eabm3378.	10.3	28
63	Drug carrier system self-assembled from biomimetic polyphosphorycholine and biodegradable polypeptide based diblock copolymers. <i>Polymer</i> , 2016, 100, 45-55.	3.8	27
64	Biodegradable phosphorylcholine copolymer for cardiovascular stent coating. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5361-5368.	5.8	27
65	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> , 2022, 427, 130932.	12.7	27
66	Multiplexed nanomaterial-assisted laser desorption/ionization for pan-cancer diagnosis and classification. <i>Nature Communications</i> , 2022, 13, 617.	12.8	27
67	Sustained gene delivery from inflammation-responsive anti-inflammatory hydrogels promotes extracellular matrix metabolism balance in degenerative nucleus pulposus. <i>Composites Part B: Engineering</i> , 2022, 236, 109806.	12.0	27
68	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> , 2021, 13, 38947-38958.	8.0	26
69	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> , 2021, 9, 9684-9699.	5.8	26
70	Two-photon AIE probe conjugated theranostic nanoparticles for tumor bioimaging and pH-sensitive drug delivery. <i>Nano Research</i> , 2019, 12, 1703-1712.	10.4	25
71	Photo-functionalized TiO <sub>2</sub> nanotubes decorated with multifunctional Ag nanoparticles for enhanced vascular biocompatibility. <i>Bioactive Materials</i> , 2021, 6, 45-54.	15.6	25
72	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> , 2021, 119, 89-100.	8.3	25

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73	Surface modification of titanium implants by pH-Responsive coating designed for Self-Adaptive antibacterial and promoted osseointegration. <i>Chemical Engineering Journal</i> , 2022, 435, 134802.	12.7	25
74	High contrast stimuli-responsive luminescence switching of pyrene-1-carboxylic esters triggered by a crystal-to-crystal transition. <i>New Journal of Chemistry</i> , 2017, 41, 13784-13791.	2.8	24
75	Dual-Responsive Micelles with Aggregation-Induced Emission Feature and Two-Photon Absorption for Accurate Drug Delivery and Bioimaging. <i>Bioconjugate Chemistry</i> , 2019, 30, 2075-2087.	3.6	24
76	Two-photon AIE luminogen labeled multifunctional polymeric micelles for theranostics. <i>Theranostics</i> , 2019, 9, 6618-6630.	10.0	24
77	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> , 2021, 6, 375-385.	15.6	24
78	Oxidation-Responsive and Aggregation-Induced Emission Polymeric Micelles with Two-Photon Excitation for Cancer Therapy and Bioimaging. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 2577-2586.	5.2	23
79	Hybrid Pericardium with VEGF-Loaded Hyaluronic Acid Hydrogel Coating to Improve the Biological Properties of Bioprosthetic Heart Valves. <i>Macromolecular Bioscience</i> , 2019, 19, e1800390.	4.1	23
80	Transdermal delivery of peptide and protein drugs: Strategies, advantages and disadvantages. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 60, 102007.	3.0	23
81	Fluid shear stress activates YAP to promote epithelial-mesenchymal transition in hepatocellular carcinoma. <i>Molecular Oncology</i> , 2021, 15, 3164-3183.	4.6	23
82	Platelet Membrane-Coated Nanocarriers Targeting Plaques to Deliver Anti-CD47 Antibody for Atherosclerotic Therapy. <i>Research</i> , 2022, 2022, 9845459.	5.7	23
83	A nitric oxide-eluting and REDV peptide-conjugated coating promotes vascular healing. <i>Biomaterials</i> , 2022, 284, 121478.	11.4	23
84	The bifunctional SDF-1 $\alpha$ -Anx5 fusion protein protects cardiac function after myocardial infarction. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 7673-7684.	3.6	22
85	Phosphorylcholine- and cation-bearing copolymer coating with superior antibiofilm and antithrombotic properties for blood-contacting devices. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8433-8443.	5.8	22
86	Alternatives to Conventional Antibiotic Therapy: Potential Therapeutic Strategies of Combating Antimicrobial-Resistance and Biofilm-Related Infections. <i>Molecular Biotechnology</i> , 2021, 63, 1103-1124.	2.4	22
87	miR-22 eluting cardiovascular stent based on a self-healable spongy coating inhibits in-stent restenosis. <i>Bioactive Materials</i> , 2021, 6, 4686-4696.	15.6	21
88	Chemical bonding of biological valve leaflets with an aminated zwitterionic copolymer for long-term anticoagulation and improved anti-calcification. <i>Chemical Engineering Journal</i> , 2021, 426, 131803.	12.7	21
89	Bionic Tea Stain-Like, All-Nanoparticle Coating for Biocompatible Corrosion Protection. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900899.	3.7	20
90	Thermo-triggered ultrafast self-healing of microporous coating for on-demand encapsulation of biomacromolecules. <i>Biomaterials</i> , 2019, 192, 15-25.	11.4	20

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91	Experimental and Numerical Simulation of Biodegradable Stents with Different Strut Geometries. <i>Cardiovascular Engineering and Technology</i> , 2020, 11, 36-46.	1.6	20
92	A multi-in-one strategy with glucose-triggered long-term antithrombogenicity and sequentially enhanced endothelialization for biological valve leaflets. <i>Biomaterials</i> , 2021, 275, 120981.	11.4	20
93	Cross-Linking Porcine Pericardium by 3,4-Dihydroxybenzaldehyde: A Novel Method to Improve the Biocompatibility of Bioprosthetic Valve. <i>Biomacromolecules</i> , 2021, 22, 823-836.	5.4	20
94	Dual-function hydrogels with sequential release of GSK3 $\beta$ inhibitor and VEGF inhibit inflammation and promote angiogenesis after stroke. <i>Chemical Engineering Journal</i> , 2022, 433, 133671.	12.7	20
95	Electrospun silk fibroin/poly (L-lactide- $\beta$ -caplacton) graft with platelet-rich growth factor for inducing smooth muscle cell growth and infiltration. <i>International Journal of Energy Production and Management</i> , 2016, 3, 239-245.	3.7	19
96	A thermo-sensitive, injectable and biodegradable <i>in situ</i> hydrogel as a potential formulation for uveitis treatment. <i>Journal of Materials Chemistry B</i> , 2019, 7, 4402-4412.	5.8	19
97	Systematic screening identifies a 2 $\beta$ gene signature as a high $\beta$ potential prognostic marker of undifferentiated pleomorphic sarcoma/myxofibrosarcoma. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 1010-1021.	3.6	19
98	Conductive dual hydrogen bonding hydrogels for the electrical stimulation of infected chronic wounds. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8138-8146.	5.8	19
99	Sodium lignosulfonate cross-linked bioprosthetic heart valve materials for enhanced cytocompatibility, improved hemocompatibility, and reduced calcification. <i>Composites Part B: Engineering</i> , 2022, 234, 109669.	12.0	19
100	Preparation of organic mechanochromic fluorophores with simple structures and promising mechanochromic luminescence properties. <i>RSC Advances</i> , 2016, 6, 84787-84793.	3.6	18
101	Cation $\beta$ anion interaction directed dual-mode switchable mechanochromic luminescence. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8527-8534.	5.5	18
102	TPE $\beta$ conjugated biomimetic and biodegradable polymeric micelle for AIE active cell imaging and cancer therapy. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45651.	2.6	18
103	Performance of PEGylated chitosan and poly (L-lactic acid-co- $\beta$ -caprolactone) bilayer vascular grafts in a canine femoral artery model. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 188, 110806.	5.0	18
104	Nonglutaraldehyde treated porcine pericardium with good biocompatibility, reduced calcification and improved Anti-coagulation for bioprosthetic heart valve applications. <i>Chemical Engineering Journal</i> , 2021, 414, 128900.	12.7	18
105	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> , 2021, 9, 4031-4038.	5.8	18
106	Hierarchical Capillary Coating to Biofunctionalize Drug-Eluting Stent for Improving Endothelium Regeneration. <i>Research</i> , 2020, 2020, 1458090.	5.7	18
107	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> , 2022, 230, 109504.	12.0	18
108	Scaffold with Micro/Macro $\beta$ Architecture for Myocardial Alignment Engineering into Complex 3D Cell Patterns. <i>Advanced Healthcare Materials</i> , 2019, 8, e1901015.	7.6	17

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109	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> , 2022, 144, 279-291.	8.3	17
110	Platelet Adhesion and Activation on Chiral Surfaces: The Influence of Protein Adsorption. <i>Langmuir</i> , 2017, 33, 10402-10410.	3.5	16
111	Improved Antithrombotic Function of Oriented Endothelial Cell Monolayer on Microgrooves. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 1976-1985.	5.2	16
112	A two-photon AIE fluorophore as a photosensitizer for highly efficient mitochondria-targeted photodynamic therapy. <i>New Journal of Chemistry</i> , 2020, 44, 9355-9364.	2.8	16
113	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> , 2020, 8, 5645-5654.	5.8	16
114	Multistep Instead of One-Step: A Versatile and Multifunctional Coating Platform for Biocompatible Corrosion Protection. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 6541-6556.	5.2	15
115	Hydrogel hybrid porcine pericardium for the fabrication of a pre-mounted TAVI valve with improved biocompatibility. <i>Journal of Materials Chemistry B</i> , 2019, 7, 1427-1434.	5.8	15
116	Extracellular matrix coating improves the biocompatibility of polymeric heart valves. <i>Journal of Materials Chemistry B</i> , 2020, 8, 10616-10629.	5.8	15
117	Pre-mounted dry TAVI valve with improved endothelialization potential using REDV-loaded PEGMA hydrogel hybrid pericardium. <i>Journal of Materials Chemistry B</i> , 2020, 8, 2689-2701.	5.8	15
118	NT5DC2 promotes leiomyosarcoma tumour cell growth via stabilizing unpalmitoylated TEAD4 and generating a positive feedback loop. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 5976-5987.	3.6	15
119	A Uniform and Robust Bioinspired Zwitterion Coating for Use in Blood-Contacting Catheters with Improved Anti-inflammatory and Antithrombotic Properties. <i>Macromolecular Bioscience</i> , 2021, 21, e2100341.	4.1	15
120	The study of dry biological valve crosslinked with a combination of carbodiimide and polyphenol. <i>International Journal of Energy Production and Management</i> , 2021, 8, rbaa049.	3.7	15
121	Chitosan coated bacteria responsive metal-polyphenol coating as efficient platform for wound healing. <i>Composites Part B: Engineering</i> , 2022, 234, 109665.	12.0	15
122	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> , 2022, 234, 109667.	12.0	15
123	Hierarchical Responsive Nanoplatfom with Two-Photon Aggregation-Induced Emission Imaging for Efficient Cancer Theranostics. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 47259-47269.	8.0	14
124	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> , 2021, 421, 127724.	12.7	14
125	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> , 2021, 9, 3696-3704.	5.8	14
126	Nanoparticles-stacked superhydrophilic coating supported synergistic antimicrobial ability for enhanced wound healing. <i>Materials Science and Engineering C</i> , 2022, 132, 112535.	7.3	14



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127	Integrated prodrug micelles with two-photon bioimaging and pH-triggered drug delivery for cancer theranostics. <i>International Journal of Energy Production and Management</i> , 2020, 7, 171-180.	3.7	13
128	The biological responses and mechanisms of endothelial cells to magnesium alloy. <i>International Journal of Energy Production and Management</i> , 2021, 8, rbab017.	3.7	13
129	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> , 2021, 45, 12138-12144.	2.8	13
130	A lipid droplet specific fluorescent probe for image-guided photodynamic therapy under hypoxia. <i>Journal of Materials Chemistry B</i> , 2021, 9, 9553-9560.	5.8	13
131	A bioprosthetic heart valve prepared by copolymerization of 2-isocyanatoethyl methacrylate modified pericardium and functional monomer. <i>Composites Part B: Engineering</i> , 2022, 238, 109922.	12.0	13
132	Dressing blood-contacting devices with platelet membrane enables large-scale multifunctional biointerfacing. <i>Matter</i> , 2022, 5, 2334-2351.	10.0	13
133	Elastin Stabilization Through Polyphenol and Ferric Chloride Combined Treatment for the Enhancement of Bioprosthetic Heart Valve Anticalcification. <i>Artificial Organs</i> , 2018, 42, 1062-1069.	1.9	12
134	Tough pNAGA hydrogel hybridized porcine pericardium for the pre-mounted TAVI valve with improved anti-tearing properties and hemocompatibility. <i>Biomedical Materials (Bristol)</i> , 2020, 15, 065013.	3.3	12
135	Inorganic-polymerization crosslinked tissue-siloxane hybrid as potential biomaterial for bioprosthetic heart valves. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 754-765.	4.0	12
136	Foldable Glistening-Free Acrylic Intraocular Lens Biomaterials with Dual-Side Heterogeneous Surface Modification for Postoperative Endophthalmitis and Posterior Capsule Opacification Prophylaxis. <i>Biomacromolecules</i> , 2021, 22, 3510-3521.	5.4	12
137	ROS and GSH Dual-Responsive GEM Prodrug Micelles for ROS-Triggered Fluorescence Turn on Bioimaging and Cancer Therapy. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000294.	3.7	12
138	A honokiol-mediated robust coating for blood-contacting devices with anti-inflammatory, antibacterial and antithrombotic properties. <i>Journal of Materials Chemistry B</i> , 2021, 9, 9770-9783.	5.8	12
139	Stability research on polydopamine and immobilized albumin on 316L stainless steel. <i>International Journal of Energy Production and Management</i> , 2016, 3, 277-284.	3.7	11
140	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> , 2017, 504, 633-644.	9.4	11
141	A fully absorbable biomimetic polymeric micelle loaded with cisplatin as drug carrier for cancer therapy. <i>International Journal of Energy Production and Management</i> , 2018, 5, 1-8.	3.7	11
142	Multifarious anti-biofouling bioprosthetic heart valve materials with the formation of interpenetrating polymer network structures. <i>Materials and Design</i> , 2021, 206, 109803.	7.0	11
143	A lipid droplets specific probe for imaging of atherosclerosis and fibrocalcific bicuspid aortic valves. <i>Sensors and Actuators B: Chemical</i> , 2021, 346, 130458.	7.8	11
144	Microfibrillated cellulose-enhanced carboxymethyl chitosan/oxidized starch sponge for chronic diabetic wound repair. <i>Materials Science and Engineering C</i> , 2022, 135, 112669.	7.3	11

#	ARTICLE	IF	CITATIONS
145	An organic selenium and VEGF-conjugated bioinspired coating promotes vascular healing. <i>Biomaterials</i> , 2022, 287, 121654.	11.4	11
146	A universal anti-thrombotic and antibacterial coating: A chemical approach directed by Fenton reaction and silane coupling. <i>Applied Surface Science</i> , 2022, 600, 154143.	6.1	11
147	Micelles prepared from poly(N-isopropylacrylamide-co-tetraphenylethene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td (acryl hydrophilic drug carrier. <i>Journal of Materials Chemistry B</i> , 2018, 6, 7495-7502.	5.8	10
148	The tropoelastin and lysyl oxidase treatments increased the content of insoluble elastin in bioprosthetic heart valves. <i>Journal of Biomaterials Applications</i> , 2018, 33, 637-646.	2.4	10
149	Grafting of poly(ethylene oxide) with Schiff's base end group onto chloromethylated polystyrene via Decker-Forster reaction. <i>Macromolecular Rapid Communications</i> , 1998, 19, 247-250.	3.9	9
150	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> , 2019, 6, 269-277.	3.7	9
151	Riboflavin photo-crosslinking method for improving elastin stability and reducing calcification in bioprosthetic heart valves. <i>Xenotransplantation</i> , 2019, 26, e12481.	2.8	9
152	Biodegradable synthetic polymeric composite scaffold-based tissue engineered heart valve with minimally invasive transcatheter implantation. <i>Polymers for Advanced Technologies</i> , 2020, 31, 2422-2432.	3.2	9
153	Biomaterials-assisted exosomes therapy in osteoarthritis. <i>Biomedical Materials (Bristol)</i> , 2022, 17, 022001.	3.3	9
154	A novel anti-calcification method for bioprosthetic heart valves using dopamine-modified alginate. <i>Polymer Bulletin</i> , 2019, 76, 1423-1434.	3.3	8
155	A pH-sensitive Phospholipid Polymeric Prodrug Based on Branched Polyethylenimine for Intracellular Drug Delivery. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 2049-2055.	2.2	7
156	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> , 2019, 30, 38.	3.6	7
157	EGCG and enzymatic crosslinking combined treatments for improving elastin stability and reducing calcification in bioprosthetic heart valves. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 1551-1559.	3.4	7
158	Preclinical study of a self-expanding pulmonary valve for the treatment of pulmonary valve disease. <i>International Journal of Energy Production and Management</i> , 2020, 7, 609-618.	3.7	7
159	The influence of substrate stiffness on osteogenesis of vascular smooth muscle cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 197, 111388.	5.0	7
160	Visible light-induced crosslinking of porcine pericardium for the improvement of endothelialization, anti-tearing, and anticalcification properties. <i>Journal of Biomedical Materials Research - Part A</i> , 2022, 110, 31-42.	4.0	7
161	Ag-Incorporated Polydopamine/Tannic Acid Coating on Titanium With Enhanced Cytocompatible and Antibacterial Properties. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 877738.	4.1	7
162	Redox-Sensitive Polymeric Micelles Based on Tetraphenylethylene-Conjugated Copolymer for Aggregation-Induced Emission Active Imaging and Drug Delivery. <i>Journal of Biomedical Nanotechnology</i> , 2017, 13, 1480-1489.	1.1	6

#	ARTICLE	IF	CITATIONS
163	Yes-associated protein contributes to magnesium alloy-derived inflammation in endothelial cells. <i>International Journal of Energy Production and Management</i> , 2022, 9, rbac002.	3.7	6
164	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> , 2022, 1869, 119211.	4.1	6
165	Advances on the modification and biomedical applications of acellular dermal matrices. <i>Journal of Leather Science and Engineering</i> , 2022, 4, .	6.0	6
166	A bioprosthetic heart valve material prepared by copolymerization of 2-Amino-4-pentanoic acid modified pericardium and N, N-Dimethylacrylamide. <i>Composites Part B: Engineering</i> , 2022, 243, 110120.	12.0	6
167	Highly specific probe for dual-emissive mitochondrial imaging based on a photostable and aqueous-soluble phosphonium fluorophore. <i>RSC Advances</i> , 2016, 6, 94085-94091.	3.6	5
168	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> , 2016, 3, 247-255.	3.7	5
169	Cation-anion interaction-directed formation of functional vesicles and their biological application for nucleus-specific imaging. <i>New Journal of Chemistry</i> , 2018, 42, 9187-9192.	2.8	5
170	Synthesis of Poly( <i>N</i> -isopropylacrylamide)-Block-Poly( <i>tert</i> -Butyl Methacrylate) Block Copolymer by Visible Light-Induced Metal-Free Atom Transfer Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800192.	2.2	5
171	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> , 2019, 7, 3894-3908.	5.8	5
172	An ultralow dose paclitaxel coated drug balloon with an outer protective sheath for peripheral arterial disease treatment. <i>Journal of Materials Chemistry B</i> , 2021, 9, 2428-2435.	5.8	5
173	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> , 2021, 35, 1218-1232.	2.4	5
174	Micelle-embedded coating with ebselen for nitric oxide generation. <i>Medical Gas Research</i> , 2019, 9, 176.	2.3	5
175	Arginine-grafted porcine pericardium by copolymerization to improve the cytocompatibility, hemocompatibility and anti-calcification properties of bioprosthetic heart valve materials. <i>Journal of Materials Chemistry B</i> , 2022, 10, 5571-5581.	5.8	5
176	Nanostructured Multilayer Films Assembled from Poly(dopamine)-Coated Carbon Nanotubes for Controlling Cell Behavior. <i>ChemNanoMat</i> , 2017, 3, 319-327.	2.8	4
177	Bioprosthetic heart valves™ structural integrity improvement through exogenous amino donor treatments. <i>Journal of Materials Research</i> , 2018, 33, 2576-2585.	2.6	4
178	Enzyme-oxidative-polymerization method for improving glycosaminoglycans stability and reducing calcification in bioprosthetic heart valves. <i>Biomedical Materials (Bristol)</i> , 2019, 14, 025012.	3.3	4
179	PEGylated chitosan and PEGylated PLCL for blood vessel repair: An in vitro study. <i>Journal of Biomaterials Applications</i> , 2020, 34, 778-789.	2.4	4
180	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> , 2021, 16, 015014.	3.3	4

#	ARTICLE	IF	CITATIONS
181	Research and Progress of Implantable Cardiovascular Materials and Devices. Engineering, 2021, 7, 1707-1709.	6.7	4
182	The application of antitumor drug-targeting models on liver cancer. Drug Delivery, 2016, 23, 1667-1675.	5.7	3
183	<i>In vitro</i> and <i>in vivo</i> assessment of nanostructured porous biphasic calcium phosphate ceramics for promoting osteogenesis in an osteoporotic environment. RSC Advances, 2018, 8, 14646-14653.	3.6	3
184	A hydrophobic antifouling surface coating on bioprosthetic heart valves for enhanced antithrombogenicity. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2022, 110, 1082-1092.	3.4	3
185	Mussel-inspired bioactive 3D-printable poly(styrene-butadiene-styrene) and the <i>in vitro</i> assessment of its potential as cranioplasty implants. Journal of Materials Chemistry B, 2022, 10, 3747-3758.	5.8	3
186	Incorporation of Mg-phenolic networks as a protective coating for magnesium alloy to enhance corrosion resistance and osteogenesis <i>in vivo</i> . Journal of Magnesium and Alloys, 2023, 11, 4247-4262.	11.9	3
187	Hyaluronic Acid-Grafted Bioprosthetic Heart Valves Achieved by Copolymerization Exhibited Improved Anticalcification and Antithrombogenicity. ACS Biomaterials Science and Engineering, 2022, 8, 3399-3410.	5.2	3
188	Tissue Engineering: Scaffold with Micro/Macro Architecture for Myocardial Alignment Engineering into Complex 3D Cell Patterns (Adv. Healthcare Mater. 22/2019). Advanced Healthcare Materials, 2019, 8, 1970087.	7.6	2
189	Photopolymerized poly(l-lactide-b-N-vinyl-2-pyrrolidone) network resists cell adhesion <i>in situ</i> . RSC Advances, 2021, 11, 20997-21005.	3.6	2
190	Comparison of Biomimetic Block Copolymer Micelles as Drug Carriers for Cancer Therapy. Journal of Biomedical Nanotechnology, 2017, 13, 1500-1511.	1.1	2
191	Glycidyl methacrylate-crosslinked fish swim bladder as a novel cardiovascular biomaterial with improved antithrombotic and anticalcification properties. Journal of Biomaterials Applications, 2022, 36, 1188-1200.	2.4	2
192	Preparation and characterization of photopolymerized poly(l-lactide-co- $\mu$ -caprolactone-co-N-vinyl-2-pyrrolidone) network as anti-biofouling materials. RSC Advances, 2022, 12, 8708-8718.	3.6	1
193	Nanomaterials augmented LDI-TOF-MS for pancreatic ductal adenocarcinoma diagnosis and classification.. Journal of Clinical Oncology, 2020, 38, e16761-e16761.	1.6	0