

Yujiang Fan

List of Publications by Year in descending order

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126
papers

4,610
citations

81743

39
h-index

128067

60
g-index

127
all docs

127
docs citations

127
times ranked

6004
citing authors

#	ARTICLE	IF	CITATIONS
1	The biomimetic design and 3D printing of customized mechanical properties porous Ti6Al4V scaffold for load-bearing bone reconstruction. <i>Materials and Design</i> , 2018, 152, 30-39.	3.3	226
2	Disassemblable micelles based on reduction-degradable amphiphilic graft copolymers for intracellular delivery of doxorubicin. <i>Biomaterials</i> , 2010, 31, 7124-7131.	5.7	155
3	Bone regeneration with micro/nano hybrid-structured biphasic calcium phosphate bioceramics at segmental bone defect and the induced immunoregulation of MSCs. <i>Biomaterials</i> , 2017, 147, 133-144.	5.7	134
4	Scaffold Structural Microenvironmental Cues to Guide Tissue Regeneration in Bone Tissue Applications. <i>Nanomaterials</i> , 2018, 8, 960.	1.9	129
5	Collagen hydrogel as an immunomodulatory scaffold in cartilage tissue engineering. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2014, 102, 337-344.	1.6	117
6	The self-crosslinking smart hyaluronic acid hydrogels as injectable three-dimensional scaffolds for cells culture. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 140, 392-402.	2.5	117
7	Creating hierarchical porosity hydroxyapatite scaffolds with osteoinduction by three-dimensional printing and microwave sintering. <i>Biofabrication</i> , 2017, 9, 045008.	3.7	114
8	Hydrogels of collagen/chondroitin sulfate/hyaluronan interpenetrating polymer network for cartilage tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 2267-2279.	1.7	107
9	Novel 3D porous biocomposite scaffolds fabricated by fused deposition modeling and gas foaming combined technology. <i>Composites Part B: Engineering</i> , 2018, 152, 151-159.	5.9	99
10	Correlations between macrophage polarization and osteoinduction of porous calcium phosphate ceramics. <i>Acta Biomaterialia</i> , 2020, 103, 318-332.	4.1	85
11	Regulation and Directing Stem Cell Fate by Tissue Engineering Functional Microenvironments: Scaffold Physical and Chemical Cues. <i>Stem Cells International</i> , 2019, 2019, 1-16.	1.2	84
12	3D printing of calcium phosphate scaffolds with controlled release of antibacterial functions for jaw bone repair. <i>Materials and Design</i> , 2020, 189, 108540.	3.3	79
13	Role of biphasic calcium phosphate ceramic-mediated secretion of signaling molecules by macrophages in migration and osteoblastic differentiation of MSCs. <i>Acta Biomaterialia</i> , 2017, 51, 447-460.	4.1	76
14	Chondrogenic differentiation of human mesenchymal stem cells on photoreactive polymer-modified surfaces. <i>Biomaterials</i> , 2008, 29, 23-32.	5.7	75
15	Icariin conjugated hyaluronic acid/collagen hydrogel for osteochondral interface restoration. <i>Acta Biomaterialia</i> , 2018, 74, 156-167.	4.1	75
16	Oral health in China: from vision to action. <i>International Journal of Oral Science</i> , 2018, 10, 1.	3.6	74
17	High drug loading pH-sensitive pullulan-DOX conjugate nanoparticles for hepatic targeting. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 150-159.	2.1	73
18	pH-Responsive charge switchable PEGylated β -poly-L-lysine polymeric nanoparticles-assisted combination therapy for improving breast cancer treatment. <i>Journal of Controlled Release</i> , 2020, 326, 350-364.	4.8	72

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19	3D printing of calcium phosphate bioceramic with tailored biodegradation rate for skull bone tissue reconstruction. <i>Bio-Design and Manufacturing</i> , 2019, 2, 161-171.	3.9	70
20	Dual modulation of crystallinity and macro-/microstructures of 3D printed porous titanium implants to enhance stability and osseointegration. <i>Journal of Materials Chemistry B</i> , 2019, 7, 2865-2877.	2.9	69
21	Efficient Delivery of DOX to Nuclei of Hepatic Carcinoma Cells in the Subcutaneous Tumor Model Using pH-Sensitive Pullulan-DOX Conjugates. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 15855-15865.	4.0	66
22	Mechanical and biological properties of the micro-/nano-grain functionally graded hydroxyapatite bioceramics for bone tissue engineering. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 48, 1-11.	1.5	66
23	Effects of Composition and Mechanical Property of Injectable Collagen I/III Composite Hydrogels on Chondrocyte Behaviors. <i>Tissue Engineering - Part A</i> , 2016, 22, 899-906.	1.6	66
24	Bioreducible PAA-g-PEG graft micelles with high doxorubicin loading for targeted antitumor effect against mouse breast carcinoma. <i>Biomaterials</i> , 2013, 34, 6818-6828.	5.7	64
25	Roles of calcium phosphate-mediated integrin expression and MAPK signaling pathways in the osteoblastic differentiation of mesenchymal stem cells. <i>Journal of Materials Chemistry B</i> , 2016, 4, 2280-2289.	2.9	62
26	Regulation and Directing Stem Cell Fate by Tissue Engineering Functional Microenvironments: Scaffold Physical and Chemical Cues. <i>Stem Cells International</i> , 2019, 2019, 1-16.	1.2	60
27	Tough and elastic hydrogel of hyaluronic acid and chondroitin sulfate as potential cell scaffold materials. <i>International Journal of Biological Macromolecules</i> , 2015, 74, 367-375.	3.6	59
28	Fabrication and characterization of collagen-based injectable and self-crosslinkable hydrogels for cell encapsulation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 167, 448-456.	2.5	55
29	An instantly fixable and self-adaptive scaffold for skull regeneration by autologous stem cell recruitment and angiogenesis. <i>Nature Communications</i> , 2022, 13, 2499.	5.8	54
30	Selective effect of hydroxyapatite nanoparticles on osteoporotic and healthy bone formation correlates with intracellular calcium homeostasis regulation. <i>Acta Biomaterialia</i> , 2017, 59, 338-350.	4.1	53
31	Comparison of ectopic bone formation process induced by four calcium phosphate ceramics in mice. <i>Materials Science and Engineering C</i> , 2017, 70, 1000-1010.	3.8	51
32	Synergistic chemotherapeutic effect of sorafenib-loaded pullulan-Dox conjugate nanoparticles against murine breast carcinoma. <i>Nanoscale</i> , 2017, 9, 2755-2767.	2.8	49
33	Bio-Functional Design, Application and Trends in Metallic Biomaterials. <i>International Journal of Molecular Sciences</i> , 2018, 19, 24.	1.8	46
34	3D printed titanium scaffolds with homogeneous diamond-like structures mimicking that of the osteocyte microenvironment and its bone regeneration study. <i>Biofabrication</i> , 2021, 13, 015008.	3.7	45
35	Fabrication of porous titanium scaffolds by stack sintering of microporous titanium spheres produced with centrifugal granulation technology. <i>Materials Science and Engineering C</i> , 2014, 43, 182-188.	3.8	44
36	Regulation of the secretion of immunoregulatory factors of mesenchymal stem cells (MSCs) by collagen-based scaffolds during chondrogenesis. <i>Materials Science and Engineering C</i> , 2017, 70, 983-991.	3.8	44

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37	Calcium phosphate altered the cytokine secretion of macrophages and influenced the homing of mesenchymal stem cells. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4765-4774.	2.9	44
38	A di-self-crosslinking hyaluronan-based hydrogel combined with type I collagen to construct a biomimetic injectable cartilage-filling scaffold. <i>Acta Biomaterialia</i> , 2020, 111, 197-207.	4.1	44
39	Injectable self-crosslinking HA-SH/Col I blend hydrogels for in vitro construction of engineered cartilage. <i>Carbohydrate Polymers</i> , 2018, 190, 57-66.	5.1	42
40	Reduction breakable cholesteryl pullulan nanoparticles for targeted hepatocellular carcinoma chemotherapy. <i>Journal of Materials Chemistry B</i> , 2014, 2, 3500-3510.	2.9	40
41	Construction of Biomimetic Natural Wood Hierarchical Porous-Structure Bioceramic with Micro/Nanowhisker Coating to Modulate Cellular Behavior and Osteoinductive Activity. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48395-48407.	4.0	39
42	Localized multidrug co-delivery by injectable self-crosslinking hydrogel for synergistic combinational chemotherapy. <i>Journal of Materials Chemistry B</i> , 2017, 5, 4852-4862.	2.9	38
43	Bioinspired polysaccharide hybrid hydrogel promoted recruitment and chondrogenic differentiation of bone marrow mesenchymal stem cells. <i>Carbohydrate Polymers</i> , 2021, 267, 118224.	5.1	38
44	Customized additive manufacturing of porous Ti6Al4V scaffold with micro-topological structures to regulate cell behavior in bone tissue engineering. <i>Materials Science and Engineering C</i> , 2021, 120, 111789.	3.8	36
45	Fabrication of customized Ti6Al4V heterogeneous scaffolds with selective laser melting: Optimization of the architecture for orthopedic implant applications. <i>Acta Biomaterialia</i> , 2021, 126, 485-495.	4.1	36
46	Reduction-Degradable Polymeric Micelles Decorated with PArg for Improving Anticancer Drug Delivery Efficacy. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2193-2203.	4.0	35
47	Redox and pH dual-responsive injectable hyaluronan hydrogels with shape-recovery and self-healing properties for protein and cell delivery. <i>Carbohydrate Polymers</i> , 2020, 250, 116979.	5.1	35
48	Bioactive composites based on double network approach with tailored mechanical, physicochemical, and biological features. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 3079-3089.	2.1	32
49	The preparation and biocompatible evaluation of injectable dual crosslinking hyaluronic acid hydrogels as cytoprotective agents. <i>Journal of Materials Chemistry B</i> , 2019, 7, 4413-4423.	2.9	32
50	Construction of surface HA/TiO ₂ coating on porous titanium scaffolds and its preliminary biological evaluation. <i>Materials Science and Engineering C</i> , 2017, 70, 1047-1056.	3.8	31
51	A Combined Approach of Double Network Hydrogel and Nanocomposites Based on Hyaluronic Acid and Poly(ethylene glycol) Diacrylate Blend. <i>Materials</i> , 2018, 11, 2454.	1.3	31
52	Solubilized Cartilage ECM Facilitates the Recruitment and Chondrogenesis of Endogenous BMSCs in Collagen Scaffolds for Enhancing Microfracture Treatment. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 24553-24564.	4.0	31
53	The effects of chemical crosslinking manners on the physical properties and biocompatibility of collagen type I/hyaluronic acid composite hydrogels. <i>International Journal of Biological Macromolecules</i> , 2020, 160, 1201-1211.	3.6	30
54	BMSCs-assisted injectable Col I hydrogel-regenerated cartilage defect by reconstructing superficial and calcified cartilage. <i>International Journal of Energy Production and Management</i> , 2020, 7, 35-45.	1.9	30

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55	Injectable strontium-doped hydroxyapatite integrated with phosphoserine-tethered poly(epsilon-lysine) dendrons for osteoporotic bone defect repair. <i>Journal of Materials Chemistry B</i> , 2018, 6, 7974-7984.	2.9	29
56	Hydroxypropylcellulose enhanced high viscosity endoscopic mucosal dissection intraoperative chitosan thermosensitive hydrogel. <i>Carbohydrate Polymers</i> , 2019, 209, 198-206.	5.1	29
57	Dynamic mechanical and swelling properties of maleated hyaluronic acid hydrogels. <i>Carbohydrate Polymers</i> , 2015, 123, 381-389.	5.1	28
58	Development of chitosan/glycerophosphate/collagen thermo-sensitive hydrogel for endoscopic treatment of mucosectomy-induced ulcer. <i>Materials Science and Engineering C</i> , 2019, 103, 109870.	3.8	28
59	Bioinspired supramolecular nanofiber hydrogel through self-assembly of biphenyl-tripeptide for tissue engineering. <i>Bioactive Materials</i> , 2022, 8, 396-408.	8.6	27
60	Extracellular matrix powder from cultured cartilage-like tissue as cell carrier for cartilage repair. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3283-3292.	2.9	26
61	Reductive responsive micelle overcoming multidrug resistance of breast cancer by co-delivery of DOX and specific antibiotic. <i>Journal of Materials Chemistry B</i> , 2019, 7, 6075-6086.	2.9	24
62	Dynamic mechanical loading facilitated chondrogenic differentiation of rabbit BMSCs in collagen scaffolds. <i>International Journal of Energy Production and Management</i> , 2019, 6, 99-106.	1.9	24
63	Lapatinib-loaded acidity-triggered charge switchable polycarbonate-doxorubicin conjugate micelles for synergistic breast cancer chemotherapy. <i>Acta Biomaterialia</i> , 2020, 118, 182-195.	4.1	24
64	In Vivo Evaluation of a pH-Sensitive Pullulan-Doxorubicin Conjugate. <i>Advanced Engineering Materials</i> , 2010, 12, B496.	1.6	23
65	Chondrocyte-laden GelMA hydrogel combined with 3D printed PLA scaffolds for auricle regeneration. <i>Materials Science and Engineering C</i> , 2021, 130, 112423.	3.8	23
66	Bioinspired Hydrogel Anchoring 3DP GelMA/HAp Scaffolds Accelerates Bone Reconstruction. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 20591-20602.	4.0	23
67	Bone mineral density, microarchitectural and mechanical alterations of osteoporotic rat bone under long-term whole-body vibration therapy. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 53, 341-349.	1.5	22
68	Chondrogenic differentiation of BMSCs encapsulated in chondroinductive polysaccharide/collagen hybrid hydrogels. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5109-5119.	2.9	22
69	Injectable and self-crosslinkable hydrogels based on collagen type II and activated chondroitin sulfate for cell delivery. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 2014-2020.	3.6	22
70	Reversing P-Glycoprotein-Associated Multidrug Resistance of Breast Cancer by Targeted Acid-Cleavable Polysaccharide Nanoparticles with Lapatinib Sensitization. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 51198-51211.	4.0	21
71	Bionic composite hydrogel with a hybrid covalent/noncovalent network promoting phenotypic maintenance of hyaline cartilage. <i>Journal of Materials Chemistry B</i> , 2020, 8, 4402-4411.	2.9	21
72	The effect of collagen hydrogels on chondrocyte behaviors through restricting the contraction of cell/hydrogel constructs. <i>International Journal of Energy Production and Management</i> , 2021, 8, rbab030.	1.9	21

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73	Influences of the steam sterilization on the properties of calcium phosphate porous bioceramics. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 5.	1.7	20
74	Fast fabrication of stable cartilage-like tissue using collagen hydrogel microsphere culture. <i>Journal of Materials Chemistry B</i> , 2017, 5, 9130-9140.	2.9	20
75	Stimuli-responsive biphenyl-tripeptide supramolecular hydrogels as biomimetic extracellular matrix scaffolds for cartilage tissue engineering. <i>Acta Biomaterialia</i> , 2021, 131, 128-137.	4.1	20
76	Temperature and ion dual responsive biphenyl-dipeptide supramolecular hydrogels as extracellular matrix mimic-scaffolds for cell culture applications. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3667-3674.	2.9	19
77	The directional migration and differentiation of mesenchymal stem cells toward vascular endothelial cells stimulated by biphasic calcium phosphate ceramic. <i>International Journal of Energy Production and Management</i> , 2018, 5, 129-139.	1.9	19
78	Effects of the bonding intensity between hyaluronan and gelatin on chondrogenic phenotypic maintenance. <i>Journal of Materials Chemistry B</i> , 2020, 8, 9062-9074.	2.9	19
79	Cell-mediated injectable blend hydrogel-BCP ceramic scaffold for <i>in situ</i> condylar osteochondral repair. <i>Acta Biomaterialia</i> , 2021, 123, 364-378.	4.1	19
80	Lactobionic acid-modified chitosan thermosensitive hydrogels that lift lesions and promote repair in endoscopic submucosal dissection. <i>Carbohydrate Polymers</i> , 2021, 263, 118001.	5.1	19
81	Childhood Cartilage ECM Enhances the Chondrogenesis of Endogenous Cells and Subchondral Bone Repair of the Unidirectional Collagen ^d ECM Scaffolds in Combination with Microfracture. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 57043-57057.	4.0	19
82	Effect of different aged cartilage ECM on chondrogenesis of BMSCs <i>in vitro</i> and <i>in vivo</i> . <i>International Journal of Energy Production and Management</i> , 2020, 7, 583-595.	1.9	18
83	Activated hyaluronic acid/collagen composite hydrogel with tunable physical properties and improved biological properties. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 2186-2196.	3.6	18
84	A highly interweaved HA-SS-nHAp/collagen hybrid fibering hydrogel enhances osteoinductivity and mineralization. <i>Nanoscale</i> , 2020, 12, 12869-12882.	2.8	18
85	Role of N-Cadherin in a Niche-Mimicking Microenvironment for Chondrogenesis of Mesenchymal Stem Cells <i>In Vitro</i> . <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 3491-3501.	2.6	18
86	A 3D-printed biphasic calcium phosphate scaffold loaded with platelet lysate/gelatin methacrylate to promote vascularization. <i>Journal of Materials Chemistry B</i> , 2022, 10, 3138-3151.	2.9	18
87	The positive role of macrophage secretion stimulated by BCP ceramic in the ceramic-induced osteogenic differentiation of pre-osteoblasts via Smad-related signaling pathways. <i>RSC Advances</i> , 2016, 6, 102134-102141.	1.7	16
88	Preparation and characterization of biomimetic gradient multi-layer cell-laden scaffolds for osteochondral integrated repair. <i>Journal of Materials Chemistry B</i> , 2022, 10, 4172-4188.	2.9	16
89	Administration duration influences the effects of low ^ε magnitude, high ^ε frequency vibration on ovariectomized rat bone. <i>Journal of Orthopaedic Research</i> , 2016, 34, 1147-1157.	1.2	15
90	Direct 3 ^ε D printing of Ti ^ε Al ^ε V/HA composite porous scaffolds for customized mechanical properties and biological functions. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 486-496.	1.3	15

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91	Hierarchical responsive micelle facilitates intratumoral penetration by acid-activated positive charge surface and size contraction. <i>Biomaterials</i> , 2021, 271, 120741.	5.7	14
92	Berberine/Ag nanoparticle embedded biomimetic calcium phosphate scaffolds for enhancing antibacterial function. <i>Nanotechnology Reviews</i> , 2020, 9, 568-579.	2.6	13
93	Bionic cartilage acellular matrix microspheres as a scaffold for engineering cartilage. <i>Journal of Materials Chemistry B</i> , 2019, 7, 640-650.	2.9	12
94	Cell-free scaffolds functionalized with bionic cartilage acellular matrix microspheres to enhance the microfracture treatment of articular cartilage defects. <i>Journal of Materials Chemistry B</i> , 2021, 9, 1686-1697.	2.9	12
95	A comparative study of autogenous, allograft and artificial bone substitutes on bone regeneration and immunotoxicity in rat femur defect model. <i>International Journal of Energy Production and Management</i> , 2021, 8, rbaa040.	1.9	12
96	Preparation of BMP-2/PDA-BCP Bioceramic Scaffold by DLP 3D Printing and its Ability for Inducing Continuous Bone Formation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 854693.	2.0	12
97	Chondrocytes behaviors within type I collagen microspheres and bulk hydrogels: an in vitro study. <i>RSC Advances</i> , 2015, 5, 54446-54453.	1.7	11
98	Acid-labile polysaccharide prodrug <i>in vivo</i> lapatinib-sensitizing effect substantially prevented metastasis and postoperative recurrence of triple-negative breast cancer. <i>Nanoscale</i> , 2020, 12, 13567-13581.	2.8	11
99	Biofabrication (3D Bioprinting) Laboratory at Sichuan University. <i>Bio-Design and Manufacturing</i> , 2021, 4, 432-439.	3.9	10
100	Application of femtosecond laser microfabrication in the preparation of advanced bioactive titanium surfaces. <i>Journal of Materials Chemistry B</i> , 2021, 9, 3912-3924.	2.9	10
101	The effect of LyPRP/collagen composite hydrogel on osteogenic differentiation of rBMSCs. <i>International Journal of Energy Production and Management</i> , 2021, 8, rbaa053.	1.9	10
102	Biom mineralization from the Perspective of Ion Aggregation: Calcium Phosphate Nucleation in the Physiological Environment. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 49519-49534.	4.0	10
103	A multi-level comparative analysis of human femoral cortical bone quality in healthy cadavers and surgical safe margin of osteosarcoma patients. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 66, 111-118.	1.5	9
104	Fabrication of gelatin-micropatterned surface and its effect on osteogenic differentiation of hMSCs. <i>Journal of Materials Chemistry B</i> , 2018, 6, 1018-1025.	2.9	9
105	Study on an injectable biomedical paste using cross-linked sodium hyaluronate as a carrier of hydroxyapatite particles. <i>Carbohydrate Polymers</i> , 2018, 195, 378-386.	5.1	9
106	Repair of osteochondral defects in a rabbit model with artificial cartilage particulates derived from cultured collagen-chondrocyte microspheres. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5164-5173.	2.9	9
107	Synthesis of photo-reactive poly (vinyl alcohol) and construction of scaffold-free cartilage like pellets in vitro. <i>International Journal of Energy Production and Management</i> , 2018, 5, 159-166.	1.9	9
108	Effects of PRP and LyPRP on osteogenic differentiation of MSCs. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 116-126.	2.1	9

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109	Chitosan thermosensitive hydrogels based on lyophilized powders demonstrate significant potential for clinical use in endoscopic submucosal dissection procedures. <i>International Journal of Biological Macromolecules</i> , 2021, 184, 593-603.	3.6	9
110	Biomaterials-assisted exosomes therapy in osteoarthritis. <i>Biomedical Materials (Bristol)</i> , 2022, 17, 022001.	1.7	9
111	Tailorable 3DP Flexible Scaffolds with Porosification of Filaments Facilitate Cell Ingrowth and Biomaterialized Deposition. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32914-32926.	4.0	9
112	DOX-encapsulated intelligent PAA-g-PEG/PEG-FA polymeric micelles for intensifying antitumor therapeutic effect via active-targeted tumor accumulation. <i>Journal of Materials Chemistry B</i> , 2015, 3, 5478-5489.	2.9	8
113	A Col I and BCP ceramic bi-layer scaffold implant promotes regeneration in osteochondral defects. <i>RSC Advances</i> , 2019, 9, 3740-3748.	1.7	8
114	Polyphosphate enhanced biomimetic mineralization of 3D printing scaffolds for bone regeneration. <i>Composites Part B: Engineering</i> , 2022, 239, 109989.	5.9	8
115	Identification of endogenous migratory MSC-like cells and their interaction with the implant materials guiding osteochondral defect repair. <i>Journal of Materials Chemistry B</i> , 2019, 7, 3993-4007.	2.9	7
116	Efficient manufacturing of tissue engineered cartilage <i>in vitro</i> by a multiplexed 3D cultured method. <i>Journal of Materials Chemistry B</i> , 2020, 8, 2082-2095.	2.9	7
117	Reduction-Triggered Breakable Micelles of Amphiphilic Polyamide Amine-g-Polyethylene Glycol for Methotrexate Delivery. <i>BioMed Research International</i> , 2014, 2014, 1-11.	0.9	5
118	Targeted inhibition of HER-2 positive breast cancer cells by trastuzumab functionalized pullulan-doxorubicin nanoparticles. <i>Polymer Testing</i> , 2022, 113, 107669.	2.3	5
119	In vivo immunological properties research on mesenchymal stem cells based engineering cartilage by a dialyzer pocket model. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 150.	1.7	4
120	<i>In vitro</i> and <i>in vivo</i> assessment of nanostructured porous biphasic calcium phosphate ceramics for promoting osteogenesis in an osteoporotic environment. <i>RSC Advances</i> , 2018, 8, 14646-14653.	1.7	3
121	Evaluating platelet activation related to the degradation of biomaterials using molecular markers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 184, 110516.	2.5	3
122	A core-shell structured collagen hydrogel microsphere with removable superparamagnetic alginate coating for cell coculture and rapid separation. <i>Materials Letters</i> , 2019, 249, 49-52.	1.3	3
123	Feasibility study of use of rabbit blood to evaluate platelet activation by medical devices. <i>Thrombosis Research</i> , 2020, 185, 171-179.	0.8	3
124	A simple, safe and easily accessible polyvinyl alcohol hydrogel for wound cleaning. <i>Journal of Biomaterials Applications</i> , 2022, 36, 1737-1747.	1.2	2
125	Evaluating platelet activation related to the degradation products of biomaterials using molecular markers. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7659-7666.	2.9	1
126	Nanobiomaterials Taking Aim at Drug and Gene Delivery. , 2008, , .		0