

Yujiang Fan

List of Publications by Year in descending order

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126
papers

4,610
citations

81900

39
h-index

128289

60
g-index

127
all docs

127
docs citations

127
times ranked

6004
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Bioinspired supramolecular nanofiber hydrogel through self-assembly of biphenyl-tripeptide for tissue engineering. <i>Bioactive Materials</i> , 2022, 8, 396-408. | 15.6 | 27 |
| 2 | Biomaterials-assisted exosomes therapy in osteoarthritis. <i>Biomedical Materials (Bristol)</i> , 2022, 17, 022001. | 3.3 | 9 |
| 3 | 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. | 5.8 | 18 |
| 4 | A simple, safe and easily accessible polyvinyl alcohol hydrogel for wound cleaning. <i>Journal of Biomaterials Applications</i> , 2022, 36, 1737-1747. | 2.4 | 2 |
| 5 | 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. | 4.1 | 12 |
| 6 | 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. | 5.8 | 16 |
| 7 | An instantly fixable and self-adaptive scaffold for skull regeneration by autologous stem cell recruitment and angiogenesis. <i>Nature Communications</i> , 2022, 13, 2499. | 12.8 | 54 |
| 8 | Bioinspired Hydrogel Anchoring 3DP GelMA/HAp Scaffolds Accelerates Bone Reconstruction. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 20591-20602. | 8.0 | 23 |
| 9 | Polyphosphate enhanced biomimetic mineralization of 3D printing scaffolds for bone regeneration. <i>Composites Part B: Engineering</i> , 2022, 239, 109989. | 12.0 | 8 |
| 10 | Targeted inhibition of HER-2 positive breast cancer cells by trastuzumab functionalized pullulan-doxorubicin nanoparticles. <i>Polymer Testing</i> , 2022, 113, 107669. | 4.8 | 5 |
| 11 | Tailorable 3DP Flexible Scaffolds with Porosification of Filaments Facilitate Cell Ingrowth and Biomaterialized Deposition. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32914-32926. | 8.0 | 9 |
| 12 | 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. | 7.3 | 36 |
| 13 | Biofabrication (3D Bioprinting) Laboratory at Sichuan University. <i>Bio-Design and Manufacturing</i> , 2021, 4, 432-439. | 7.7 | 10 |
| 14 | Cell-mediated injectable blend hydrogel-BCP ceramic scaffold for inÂsitu condylar osteochondral repair. <i>Acta Biomaterialia</i> , 2021, 123, 364-378. | 8.3 | 19 |
| 15 | Hierarchical responsive micelle facilitates intratumoral penetration by acid-activated positive charge surface and size contraction. <i>Biomaterials</i> , 2021, 271, 120741. | 11.4 | 14 |
| 16 | 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. | 8.3 | 36 |
| 17 | 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. | 8.0 | 31 |
| 18 | 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. | 3.7 | 21 |

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|----|--|------|-----------|
| 19 | Lactobionic acid-modified chitosan thermosensitive hydrogels that lift lesions and promote repair in endoscopic submucosal dissection. <i>Carbohydrate Polymers</i> , 2021, 263, 118001. | 10.2 | 19 |
| 20 | Chitosan thermosensitive hydrogels based on lyophilizate powders demonstrate significant potential for clinical use in endoscopic submucosal dissection procedures. <i>International Journal of Biological Macromolecules</i> , 2021, 184, 593-603. | 7.5 | 9 |
| 21 | Stimuli-responsive biphenyl-tripeptide supramolecular hydrogels as biomimetic extracellular matrix scaffolds for cartilage tissue engineering. <i>Acta Biomaterialia</i> , 2021, 131, 128-137. | 8.3 | 20 |
| 22 | Bioinspired polysaccharide hybrid hydrogel promoted recruitment and chondrogenic differentiation of bone marrow mesenchymal stem cells. <i>Carbohydrate Polymers</i> , 2021, 267, 118224. | 10.2 | 38 |
| 23 | Chondrocyte-laden GelMA hydrogel combined with 3D printed PLA scaffolds for auricle regeneration. <i>Materials Science and Engineering C</i> , 2021, 130, 112423. | 7.3 | 23 |
| 24 | 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. | 5.8 | 12 |
| 25 | Application of femtosecond laser microfabrication in the preparation of advanced bioactive titanium surfaces. <i>Journal of Materials Chemistry B</i> , 2021, 9, 3912-3924. | 5.8 | 10 |
| 26 | 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. | 7.1 | 45 |
| 27 | The effect of LyPRP/collagen composite hydrogel on osteogenic differentiation of rBMSCs. <i>International Journal of Energy Production and Management</i> , 2021, 8, rbaa053. | 3.7 | 10 |
| 28 | 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. | 8.0 | 10 |
| 29 | 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. | 3.7 | 12 |
| 30 | Childhood Cartilage ECM Enhances the Chondrogenesis of Endogenous Cells and Subchondral Bone Repair of the Unidirectional Collagenâ€dECM Scaffolds in Combination with Microfracture. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 57043-57057. | 8.0 | 19 |
| 31 | Effects of PRP and LyPRP on osteogenic differentiation of MSCs. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 116-126. | 4.0 | 9 |
| 32 | Feasibility study of use of rabbit blood to evaluate platelet activation by medical devices. <i>Thrombosis Research</i> , 2020, 185, 171-179. | 1.7 | 3 |
| 33 | Correlations between macrophage polarization and osteoinduction of porous calcium phosphate ceramics. <i>Acta Biomaterialia</i> , 2020, 103, 318-332. | 8.3 | 85 |
| 34 | 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. | 8.0 | 39 |
| 35 | 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. | 10.2 | 35 |
| 36 | Lapatinib-loaded acidity-triggered charge switchable polycarbonate-doxorubicin conjugate micelles for synergistic breast cancer chemotherapy. <i>Acta Biomaterialia</i> , 2020, 118, 182-195. | 8.3 | 24 |

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|----|--|-----|-----------|
| 37 | pH-Responsive charge switchable PEGylated μ -poly-L-lysine polymeric nanoparticles-assisted combination therapy for improving breast cancer treatment. Journal of Controlled Release, 2020, 326, 350-364. | 9.9 | 72 |
| 38 | Effect of different aged cartilage ECM on chondrogenesis of BMSCs <i>in vitro</i> and <i>in vivo</i> . International Journal of Energy Production and Management, 2020, 7, 583-595. | 3.7 | 18 |
| 39 | Activated hyaluronic acid/collagen composite hydrogel with tunable physical properties and improved biological properties. International Journal of Biological Macromolecules, 2020, 164, 2186-2196. | 7.5 | 18 |
| 40 | Evaluating platelet activation related to the degradation products of biomaterials using molecular markers. Journal of Materials Chemistry B, 2020, 8, 7659-7666. | 5.8 | 1 |
| 41 | Effects of the bonding intensity between hyaluronan and gelatin on chondrogenic phenotypic maintenance. Journal of Materials Chemistry B, 2020, 8, 9062-9074. | 5.8 | 19 |
| 42 | Reversing P-Glycoprotein-Associated Multidrug Resistance of Breast Cancer by Targeted Acid-Cleavable Polysaccharide Nanoparticles with Lapatinib Sensitization. ACS Applied Materials & Interfaces, 2020, 12, 51198-51211. | 8.0 | 21 |
| 43 | The effects of chemical crosslinking manners on the physical properties and biocompatibility of collagen type I/hyaluronic acid composite hydrogels. International Journal of Biological Macromolecules, 2020, 160, 1201-1211. | 7.5 | 30 |
| 44 | A highly interweaved HA-SS-nHAp/collagen hybrid fibering hydrogel enhances osteoinductivity and mineralization. Nanoscale, 2020, 12, 12869-12882. | 5.6 | 18 |
| 45 | Acid-labile polysaccharide prodrug <i>via</i> lapatinib-sensitizing effect substantially prevented metastasis and postoperative recurrence of triple-negative breast cancer. Nanoscale, 2020, 12, 13567-13581. | 5.6 | 11 |
| 46 | BMSCs-assisted injectable Col I hydrogel-regenerated cartilage defect by reconstructing superficial and calcified cartilage. International Journal of Energy Production and Management, 2020, 7, 35-45. | 3.7 | 30 |
| 47 | 3D printing of calcium phosphate scaffolds with controlled release of antibacterial functions for jaw bone repair. Materials and Design, 2020, 189, 108540. | 7.0 | 79 |
| 48 | Efficient manufacturing of tissue engineered cartilage <i>in vitro</i> by a multiplexed 3D cultured method. Journal of Materials Chemistry B, 2020, 8, 2082-2095. | 5.8 | 7 |
| 49 | Direct 3D printing of Ti6Al4V/HA composite porous scaffolds for customized mechanical properties and biological functions. Journal of Tissue Engineering and Regenerative Medicine, 2020, 14, 486-496. | 2.7 | 15 |
| 50 | Bionic composite hydrogel with a hybrid covalent/noncovalent network promoting phenotypic maintenance of hyaline cartilage. Journal of Materials Chemistry B, 2020, 8, 4402-4411. | 5.8 | 21 |
| 51 | Role of N-Cadherin in a Niche-Mimicking Microenvironment for Chondrogenesis of Mesenchymal Stem Cells <i>In Vitro</i> . ACS Biomaterials Science and Engineering, 2020, 6, 3491-3501. | 5.2 | 18 |
| 52 | A di-self-crosslinking hyaluronan-based hydrogel combined with type I collagen to construct a biomimetic injectable cartilage-filling scaffold. Acta Biomaterialia, 2020, 111, 197-207. | 8.3 | 44 |
| 53 | Berberine/Ag nanoparticle embedded biomimetic calcium phosphate scaffolds for enhancing antibacterial function. Nanotechnology Reviews, 2020, 9, 568-579. | 5.8 | 13 |
| 54 | Reductive responsive micelle overcoming multidrug resistance of breast cancer by co-delivery of DOX and specific antibiotic. Journal of Materials Chemistry B, 2019, 7, 6075-6086. | 5.8 | 24 |

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|----|---|------|-----------|
| 55 | 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. | 7.3 | 28 |
| 56 | 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. | 7.7 | 70 |
| 57 | Evaluating platelet activation related to the degradation of biomaterials using molecular markers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 184, 110516. | 5.0 | 3 |
| 58 | Bionic cartilage acellular matrix microspheres as a scaffold for engineering cartilage. <i>Journal of Materials Chemistry B</i> , 2019, 7, 640-650. | 5.8 | 12 |
| 59 | A Col I and BCP ceramic bi-layer scaffold implant promotes regeneration in osteochondral defects. <i>RSC Advances</i> , 2019, 9, 3740-3748. | 3.6 | 8 |
| 60 | 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. | 5.8 | 32 |
| 61 | 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. | 5.8 | 7 |
| 62 | 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. | 2.6 | 3 |
| 63 | 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. | 5.8 | 69 |
| 64 | 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. | 3.7 | 24 |
| 65 | 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. | 2.5 | 60 |
| 66 | Hydroxypropylcellulose enhanced high viscosity endoscopic mucosal dissection intraoperative chitosan thermosensitive hydrogel. <i>Carbohydrate Polymers</i> , 2019, 209, 198-206. | 10.2 | 29 |
| 67 | 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. | 2.5 | 84 |
| 68 | <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. | 3.6 | 3 |
| 69 | 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. | 5.0 | 55 |
| 70 | Oral health in China: from vision to action. <i>International Journal of Oral Science</i> , 2018, 10, 1. | 8.6 | 74 |
| 71 | Fabrication of gelatin-micropatterned surface and its effect on osteogenic differentiation of hMSCs. <i>Journal of Materials Chemistry B</i> , 2018, 6, 1018-1025. | 5.8 | 9 |
| 72 | Icariin conjugated hyaluronic acid/collagen hydrogel for osteochondral interface restoration. <i>Acta Biomaterialia</i> , 2018, 74, 156-167. | 8.3 | 75 |

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|----|--|------|-----------|
| 73 | Study on an injectable biomedical paste using cross-linked sodium hyaluronate as a carrier of hydroxyapatite particles. Carbohydrate Polymers, 2018, 195, 378-386. | 10.2 | 9 |
| 74 | The biomimetic design and 3D printing of customized mechanical properties porous Ti6Al4V scaffold for load-bearing bone reconstruction. Materials and Design, 2018, 152, 30-39. | 7.0 | 226 |
| 75 | Injectable self-crosslinking HA-SH/Col I blend hydrogels for in vitro construction of engineered cartilage. Carbohydrate Polymers, 2018, 190, 57-66. | 10.2 | 42 |
| 76 | A Combined Approach of Double Network Hydrogel and Nanocomposites Based on Hyaluronic Acid and Poly(ethylene glycol) Diacrylate Blend. Materials, 2018, 11, 2454. | 2.9 | 31 |
| 77 | Injectable strontium-doped hydroxyapatite integrated with phosphoserine-tethered poly(epsilon-lysine) dendrons for osteoporotic bone defect repair. Journal of Materials Chemistry B, 2018, 6, 7974-7984. | 5.8 | 29 |
| 78 | Scaffold Structural Microenvironmental Cues to Guide Tissue Regeneration in Bone Tissue Applications. Nanomaterials, 2018, 8, 960. | 4.1 | 129 |
| 79 | Bioactive composites based on double network approach with tailored mechanical, physicochemical, and biological features. Journal of Biomedical Materials Research - Part A, 2018, 106, 3079-3089. | 4.0 | 32 |
| 80 | Novel 3D porous biocomposite scaffolds fabricated by fused deposition modeling and gas foaming combined technology. Composites Part B: Engineering, 2018, 152, 151-159. | 12.0 | 99 |
| 81 | Bio-Functional Design, Application and Trends in Metallic Biomaterials. International Journal of Molecular Sciences, 2018, 19, 24. | 4.1 | 46 |
| 82 | Repair of osteochondral defects in a rabbit model with artificial cartilage particulates derived from cultured collagen-chondrocyte microspheres. Journal of Materials Chemistry B, 2018, 6, 5164-5173. | 5.8 | 9 |
| 83 | Injectable and self-crosslinkable hydrogels based on collagen type II and activated chondroitin sulfate for cell delivery. International Journal of Biological Macromolecules, 2018, 118, 2014-2020. | 7.5 | 22 |
| 84 | Synthesis of photo-reactive poly (vinyl alcohol) and construction of scaffold-free cartilage like pellets in vitro. International Journal of Energy Production and Management, 2018, 5, 159-166. | 3.7 | 9 |
| 85 | The directional migration and differentiation of mesenchymal stem cells toward vascular endothelial cells stimulated by biphasic calcium phosphate ceramic. International Journal of Energy Production and Management, 2018, 5, 129-139. | 3.7 | 19 |
| 86 | Calcium phosphate altered the cytokine secretion of macrophages and influenced the homing of mesenchymal stem cells. Journal of Materials Chemistry B, 2018, 6, 4765-4774. | 5.8 | 44 |
| 87 | Construction of surface HA/TiO2 coating on porous titanium scaffolds and its preliminary biological evaluation. Materials Science and Engineering C, 2017, 70, 1047-1056. | 7.3 | 31 |
| 88 | Regulation of the secretion of immunoregulatory factors of mesenchymal stem cells (MSCs) by collagen-based scaffolds during chondrogenesis. Materials Science and Engineering C, 2017, 70, 983-991. | 7.3 | 44 |
| 89 | Comparison of ectopic bone formation process induced by four calcium phosphate ceramics in mice. Materials Science and Engineering C, 2017, 70, 1000-1010. | 7.3 | 51 |
| 90 | Synergistic chemotherapeutic effect of sorafenib-loaded pullulan-Dox conjugate nanoparticles against murine breast carcinoma. Nanoscale, 2017, 9, 2755-2767. | 5.6 | 49 |

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|-----|---|------|-----------|
| 91 | 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. | 8.3 | 76 |
| 92 | 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. | 5.8 | 19 |
| 93 | Chondrogenic differentiation of BMSCs encapsulated in chondroinductive polysaccharide/collagen hybrid hydrogels. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5109-5119. | 5.8 | 22 |
| 94 | Localized multidrug co-delivery by injectable self-crosslinking hydrogel for synergistic combinational chemotherapy. <i>Journal of Materials Chemistry B</i> , 2017, 5, 4852-4862. | 5.8 | 38 |
| 95 | 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. | 5.8 | 26 |
| 96 | Fast fabrication of stable cartilage-like tissue using collagen hydrogel microsphere culture. <i>Journal of Materials Chemistry B</i> , 2017, 5, 9130-9140. | 5.8 | 20 |
| 97 | Creating hierarchical porosity hydroxyapatite scaffolds with osteoinduction by three-dimensional printing and microwave sintering. <i>Biofabrication</i> , 2017, 9, 045008. | 7.1 | 114 |
| 98 | 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. | 3.6 | 4 |
| 99 | 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. | 11.4 | 134 |
| 100 | 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. | 8.3 | 53 |
| 101 | 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. | 3.1 | 9 |
| 102 | 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. | 3.6 | 16 |
| 103 | Effects of Composition and Mechanical Property of Injectable Collagen I/II Composite Hydrogels on Chondrocyte Behaviors. <i>Tissue Engineering - Part A</i> , 2016, 22, 899-906. | 3.1 | 66 |
| 104 | Administration duration influences the effects of low–magnitude, high–frequency vibration on ovariectomized rat bone. <i>Journal of Orthopaedic Research</i> , 2016, 34, 1147-1157. | 2.3 | 15 |
| 105 | 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. | 3.6 | 20 |
| 106 | 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. | 5.8 | 62 |
| 107 | Reduction-Degradable Polymeric Micelles Decorated with PArg for Improving Anticancer Drug Delivery Efficacy. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2193-2203. | 8.0 | 35 |
| 108 | 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. | 5.0 | 117 |

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|-----|---|------|-----------|
| 109 | 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. | 3.1 | 22 |
| 110 | Dynamic mechanical and swelling properties of maleated hyaluronic acid hydrogels. <i>Carbohydrate Polymers</i> , 2015, 123, 381-389. | 10.2 | 28 |
| 111 | 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. | 7.5 | 59 |
| 112 | Chondrocytes behaviors within type I collagen microspheres and bulk hydrogels: an in vitro study. <i>RSC Advances</i> , 2015, 5, 54446-54453. | 3.6 | 11 |
| 113 | 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. | 8.0 | 66 |
| 114 | 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. | 5.8 | 8 |
| 115 | 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. | 3.1 | 66 |
| 116 | Reduction-Triggered Breakable Micelles of Amphiphilic Polyamide Amine-g-Polyethylene Glycol for Methotrexate Delivery. <i>BioMed Research International</i> , 2014, 2014, 1-11. | 1.9 | 5 |
| 117 | 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. | 3.4 | 117 |
| 118 | Reduction breakable cholesteryl pullulan nanoparticles for targeted hepatocellular carcinoma chemotherapy. <i>Journal of Materials Chemistry B</i> , 2014, 2, 3500-3510. | 5.8 | 40 |
| 119 | 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. | 7.3 | 44 |
| 120 | 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. | 4.0 | 73 |
| 121 | Bioresorbable PAA-g-PEG graft micelles with high doxorubicin loading for targeted antitumor effect against mouse breast carcinoma. <i>Biomaterials</i> , 2013, 34, 6818-6828. | 11.4 | 64 |
| 122 | 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. | 3.6 | 107 |
| 123 | Disassemblable micelles based on reduction-degradable amphiphilic graft copolymers for intracellular delivery of doxorubicin. <i>Biomaterials</i> , 2010, 31, 7124-7131. | 11.4 | 155 |
| 124 | In Vivo Evaluation of a pH-Sensitive Pullulan-DOX Conjugate. <i>Advanced Engineering Materials</i> , 2010, 12, B496. | 3.5 | 23 |
| 125 | Chondrogenic differentiation of human mesenchymal stem cells on photoreactive polymer-modified surfaces. <i>Biomaterials</i> , 2008, 29, 23-32. | 11.4 | 75 |
| 126 | Nanobiomaterials Taking Aim at Drug and Gene Delivery. , 2008, , . | | 0 |