Yulin Li

List of Publications by Year
in descending order

339	15,612	19657 61	27406 106
papers	citations	h-index	g-index

353	353	353	19817
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Injectable and biodegradable hydrogels: gelation, biodegradation and biomedical applications. Chemical Society Reviews, 2012, 41, 2193-2221.	38.1	1,190
2	Biomimetic porous scaffolds for bone tissue engineering. Materials Science and Engineering Reports, 2014, 80, 1-36.	31.8	854
3	The Horizon of Materiobiology: A Perspective on Material-Guided Cell Behaviors and Tissue Engineering. Chemical Reviews, 2017, 117, 4376-4421.	47.7	424
4	Biodegradable Polymer Nanogels for Drug/Nucleic Acid Delivery. Chemical Reviews, 2015, 115, 8564-8608.	47.7	401
5	Mechanism of regulation of stem cell differentiation by matrix stiffness. Stem Cell Research and Therapy, 2015, 6, 103.	5.5	287
6	Macrophage-Derived mir-155-Containing Exosomes Suppress Fibroblast Proliferation and Promote Fibroblast Inflammation during Cardiac Injury. Molecular Therapy, 2017, 25, 192-204.	8.2	275
7	Kinetics of hydroxyapatite precipitation at pH 10 to 11. Biomaterials, 2001, 22, 301-306.	11.4	268
8	Decellularized extracellular matrix scaffolds: Recent trends and emerging strategies in tissue engineering. Bioactive Materials, 2022, 10, 15-31.	15.6	230
9	Size-mediated cytotoxicity and apoptosis of hydroxyapatite nanoparticles in human hepatoma HepG2 cells. Biomaterials, 2010, 31, 730-740.	11.4	222
10	Bioinspired trimodal macro/micro/nano-porous scaffolds loading rhBMP-2 for complete regeneration of critical size bone defect. Acta Biomaterialia, 2016, 32, 309-323.	8.3	202
11	Degradable, antibacterial silver exchanged mesoporous silica spheres for hemorrhage control. Biomaterials, 2009, 30, 5364-5375.	11.4	181
12	Magnesium modification of a calcium phosphate cement alters bone marrow stromal cell behavior via an integrin-mediated mechanism. Biomaterials, 2015, 53, 251-264.	11.4	181
13	Effects of Matrix Stiffness on the Morphology, Adhesion, Proliferation and Osteogenic Differentiation of Mesenchymal Stem Cells. International Journal of Medical Sciences, 2018, 15, 257-268.	2.5	173
14	Vascularization and bone regeneration in a critical sized defect using 2-N,6-O-sulfated chitosan nanoparticles incorporating BMP-2. Biomaterials, 2014, 35, 684-698.	11.4	166
15	Redox-Responsive Alginate Nanogels with Enhanced Anticancer Cytotoxicity. Biomacromolecules, 2013, 14, 3140-3146.	5.4	153
16	Enhanced bioactivity of bone morphogenetic protein-2 with low dose of 2-N, 6-O-sulfated chitosan in vitro and in vivo. Biomaterials, 2009, 30, 1715-1724.	11.4	150
17	Role of polydopamineâ€™s redox-activity on its pro-oxidant, radical-scavenging, and antimicrobial activities. Acta Biomaterialia, 2019, 88, 181-196.	8.3	137
18	Extracellular matrix stiffness controls osteogenic differentiation of mesenchymal stem cells mediated by integrin Î±5. Stem Cell Research and Therapy, 2018, 9, 52.	5.5	132

#	Article	IF	Citations
19	Flexible Bicolorimetric Polyacrylamide/Chitosan Hydrogels for Smart Realâ€Time Monitoring and Promotion of Wound Healing. Advanced Functional Materials, 2021, 31, 2102599.	14.9	131
20	RhBMP-2-loaded calcium silicate/calcium phosphate cement scaffold with hierarchically porous structure for enhanced bone tissue regeneration. Biomaterials, 2013, 34, 9381-9392.	11.4	130
21	Improved osteogenesis and angiogenesis of magnesium-doped calcium phosphate cement via macrophage immunomodulation. Biomaterials Science, 2016, 4, 1574-1583.	5.4	128
22	Thermo/redox/pH-triple sensitive poly(N-isopropylacrylamide-co-acrylic acid) nanogels for anticancer drug delivery. Journal of Materials Chemistry B, 2015, 3, 4221-4230.	5.8	119
23	A dual-delivery system of pH-responsive chitosan-functionalized mesoporous silica nanoparticles bearing BMP-2 and dexamethasone for enhanced bone regeneration. Journal of Materials Chemistry B, 2015, 3, 2056-2066.	5.8	116
24	Rheological properties of concentrated aqueous injectable calcium phosphate cement slurry. Biomaterials, 2006, 27, 5003-5013.	11.4	108
25	Bone regeneration using photocrosslinked hydrogel incorporating rhBMP-2 loaded 2-N, 6-O-sulfated chitosan nanoparticles. Biomaterials, 2014, 35, 2730-2742.	11.4	108
26	Rapid initiation of guided bone regeneration driven by spatiotemporal delivery of IL-8 and BMP-2 from hierarchical MBG-based scaffold. Biomaterials, 2019, 196, 122-137.	11.4	108
27	Tannic acid-loaded mesoporous silica for rapid hemostasis and antibacterial activity. Biomaterials Science, 2018, 6, 3318-3331.	5.4	104
28	Charge-Reversal APTES-Modified Mesoporous Silica Nanoparticles with High Drug Loading and Release Controllability. ACS Applied Materials & Interfaces, 2016, 8, 17166-17175.	8.0	101
29	Functionalized mesoporous bioactive glass scaffolds for enhanced bone tissue regeneration. Scientific Reports, 2016, 6, 19361.	3.3	99
30	Osteogenic evaluation of calcium/magnesium-doped mesoporous silica scaffold with incorporation of rhBMP-2 by synchrotron radiation-based Î¼CT. Biomaterials, 2011, 32, 8506-8517.	11.4	97
31	Interleukin-12p35 Deletion Promotes CD4 T-Cellâ€“Dependent Macrophage Differentiation and Enhances Angiotensin IIâ€“Induced Cardiac Fibrosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 1662-1674.	2.4	97
32	Nanomaterial-based bone regeneration. Nanoscale, 2017, 9, 4862-4874.	5.6	97
33	Bone regeneration using cell-mediated responsive degradable PEG-based scaffolds incorporating with rhBMP-2. Biomaterials, 2013, 34, 1514-1528.	11.4	94
34	Mitochondria-Targeted Hydroxyapatite Nanoparticles for Selective Growth Inhibition of Lung Cancer in Vitro and in Vivo. ACS Applied Materials & Interfaces, 2016, 8, 25680-25690.	8.0	94
35	Sandpaper as template for a robust superhydrophobic surface with self-cleaning and anti-snow/icing performances. Journal of Colloid and Interface Science, 2019, 548, 224-232.	9.4	94
36	Rough Structure of Electrodeposition as a Template for an Ultrarobust Self-Cleaning Surface. ACS Applied Materials & Interfaces, 2017, 9, 16571-16580.	8.0	93

#	Article	IF	Citations
37	pH-sensitive LaponiteÂ®/doxorubicin/alginate nanohybrids with improved anticancer efficacy. Acta Biomaterialia, 2014, 10, 300-307.	8.3	91
38	A PEG-Lysozyme hydrogel harvests multiple functions as a fit-to-shape tissue sealant for internal-use of body. Biomaterials, 2019, 192, 392-404.	11.4	89
39	Amphiphilic Polymer-Mediated Formation of Laponite-Based Nanohybrids with Robust Stability and pH Sensitivity for Anticancer Drug Delivery. ACS Applied Materials & Interfaces, 2014, 6, 16687-16695.	8.0	87
40	Evaluation of the viability and osteogenic differentiation of cryopreserved human adipose-derived stem cells. Cryobiology, 2008, 57, 18-24.	0.7	86
41	Biomaterials Act as Enhancers of Growth Factors in Bone Regeneration. Advanced Functional Materials, 2016, 26, 8810-8823.	14.9	86
42	Recent Findings in the Regulation of Programmed Death Ligand 1 Expression. Frontiers in Immunology, 2019, 10, 1337.	4.8	85
43	A micro/nano-biomimetic coating on titanium orchestrates osteo/angio-genesis and osteoimmunomodulation for advanced osseointegration. Biomaterials, 2021, 278, 121162.	11.4	84
44	Effects of the granularity of raw materials on the hydration and hardening process of calcium phosphate cement. Biomaterials, 2003, 24, 4103-4113.	11.4	82
45	Injectable Doubleâ€Crosslinked Adhesive Hydrogels with High Mechanical Resilience and Effective Energy Dissipation for Joint Wound Treatment. Advanced Functional Materials, 2022, 32, 2109687.	14.9	81
46	Differential cytotoxicity and particle action of hydroxyapatite nanoparticles in human cancer cells. Nanomedicine, 2014, 9, 397-412.	3.3	78
47	Dendrimer-Assisted Formation of Fluorescent Nanogels for Drug Delivery and Intracellular Imaging. Biomacromolecules, 2014, 15, 492-499.	5.4	76
48	Calcium-modified microporous starch with potent hemostatic efficiency and excellent degradability for hemorrhage control. Journal of Materials Chemistry B, 2015, 3, 4017-4026.	5.8	75
49	pH sensitive Laponite/alginate hybrid hydrogels: swelling behaviour and release mechanism. Soft Matter, 2011, 7, 6231.	2.7	74
50	Effects of grazing and livestock exclusion on soil physical and chemical properties in desertified sandy grassland, Inner Mongolia, northern China. Environmental Earth Sciences, 2011, 63, 771-783.	2.7	74
51	Complement C3a signaling facilitates skeletal muscle regeneration by regulating monocyte function and trafficking. Nature Communications, 2017, 8, 2078.	12.8	74
52	Sulfated chitosan rescues dysfunctional macrophages and accelerates wound healing in diabetic mice. Acta Biomaterialia, 2020, 117, 192-203.	8.3	74
53	Atg5 deficiency-mediated mitophagy aggravates cardiac inflammation and injury in response to angiotensin II. Free Radical Biology and Medicine, 2014, 69, 108-115.	2.9	73
54	Bio-inspired redox-cycling antimicrobial film for sustained generation of reactive oxygen species. Biomaterials, 2018, 162, 109-122.	11.4	72

#	Article	IF	Citations
55	A novel composite coupled hardness with flexiblenessâ€”polylactic acid toughen with thermoplastic polyurethane. Journal of Applied Polymer Science, 2011, 121, 855-861.	2.6	67
56	PEGylated poly(glycerol sebacate)-modified calcium phosphate scaffolds with desirable mechanical behavior and enhanced osteogenic capacity. Acta Biomaterialia, 2016, 44, 110-124.	8.3	67
57	Redox-Channeling Polydopamine-Ferrocene (PDA-Fc) Coating To Confer Context-Dependent and Photothermal Antimicrobial Activities. ACS Applied Materials & Interfaces, 2020, 12, 8915-8928.	8.0	67
58	Organ-on-a-chip platforms for accelerating the evaluation of nanomedicine. Bioactive Materials, 2021, 6, 1012-1027.	15.6	67
59	Complement 5a Receptor Mediates Angiotensin IIâ€“Induced Cardiac Inflammation and Remodeling. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1240-1248.	2.4	66
60	Î²-Tricalcium phosphate/poly(glycerol sebacate) scaffolds with robust mechanical property for bone tissue engineering. Materials Science and Engineering C, 2015, 56, 37-47.	7.3	66
61	Preferential tumor accumulation and desirable interstitial penetration of poly(lactic-co-glycolic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 glycol-poly(d,l-lactic acid). Acta Biomaterialia, 2016, 29, 248-260.	8.3	65
62	Sulfated polysaccharide directs therapeutic angiogenesis via endogenous VEGF secretion of macrophages. Science Advances, 2021, 7, .	10.3	65
63	A viscoelastic PEGylated poly(glycerol sebacate)-based bilayer scaffold for cartilage regeneration in full-thickness osteochondral defect. Biomaterials, 2020, 253, 120095.	11.4	63
64	Nampt Expression Decreases Age-Related Senescence in Rat Bone Marrow Mesenchymal Stem Cells by Targeting Sirt1. PLoS ONE, 2017, 12, e0170930.	2.5	59
65	In vitro degradability, bioactivity and cell responses to mesoporous magnesium silicate for the induction of bone regeneration. Colloids and Surfaces B: Biointerfaces, 2014, 120, 38-46.	5.0	58
66	Effect of matrix stiffness on the proliferation and differentiation of umbilical cord mesenchymal stem cells. Differentiation, 2017, 96, 30-39.	1.9	58
67	Programmable Electrofabrication of Porous Janus Films with Tunable Janus Balance for Anisotropic Cell Guidance and Tissue Regeneration. Advanced Functional Materials, 2019, 29, 1900065.	14.9	58
68	Endosomal pH-activatable magnetic nanoparticle-capped mesoporous silica for intracellular controlled release. Journal of Materials Chemistry, 2012, 22, 15960.	6.7	57
69	Insulin-Producing Cells Differentiated from Human Bone Marrow Mesenchymal Stem Cells In Vitro Ameliorate Streptozotocin-Induced Diabetic Hyperglycemia. PLoS ONE, 2016, 11, e0145838.	2.5	57
70	Biomaterial stiffness determines stem cell fate. Life Sciences, 2017, 178, 42-48.	4.3	56
71	Induced Pluripotent Stem Cells from Human Hair Follicle Mesenchymal Stem Cells. Stem Cell Reviews and Reports, 2013, 9, 451-460.	5.6	54
72	Enhancement and orchestration of osteogenesis and angiogenesis by a dual-modular design of growth factors delivery scaffolds and 26SCS decoration. Biomaterials, 2020, 232, 119645.	11.4	54

#	Article	IF	Citations
73	Preparation and preliminary cytocompatibility of magnesium doped apatite cement with degradability for bone regeneration. Journal of Materials Science: Materials in Medicine, 2011, 22, 607-615.	3.6	52
74	Poly(glycerol sebacate)-modified polylactic acid scaffolds with improved hydrophilicity, mechanical strength and bioactivity for bone tissue regeneration. RSC Advances, 2015, 5, 79703-79714.	3.6	52
75	MBG-Modified Î²-TCP Scaffold Promotes Mesenchymal Stem Cells Adhesion and Osteogenic Differentiation via a FAK/MAPK Signaling Pathway. ACS Applied Materials & Interfaces, 2017, 9, 30283-30296.	8.0	52
76	Ageâ€related decline of interferonâ€gamma responses in macrophage impairs satellite cell proliferation and regeneration. Journal of Cachexia, Sarcopenia and Muscle, 2020, 11, 1291-1305.	7.3	51
77	Nano-needle strontium-substituted apatite coating enhances osteoporotic osseointegration through promoting osteogenesis and inhibiting osteoclastogenesis. Bioactive Materials, 2021, 6, 905-915.	15.6	51
78	Biospecific Selfâ€Assembly of a Nanoparticle Coating for Targeted and Stimuliâ€Responsive Drug Delivery. Advanced Functional Materials, 2015, 25, 1404-1417.	14.9	50
79	Injectable Hydrogel with NIR Lightâ€Responsive, Dualâ€Mode PTH Release for Osteoregeneration in Osteoporosis. Advanced Functional Materials, 2021, 31, 2105383.	14.9	50
80	Large-scale expansion of Whartonâ€™s jelly-derived mesenchymal stem cells on gelatin microbeads, with retention of self-renewal and multipotency characteristics and the capacity for enhancing skin wound healing. Stem Cell Research and Therapy, 2015, 6, 38.	5.5	49
81	Investigation of Mgâ€“Znâ€“Yâ€“Nd alloy for potential application of biodegradable esophageal stent material. Bioactive Materials, 2020, 5, 1-8.	15.6	49
82	Harnessing 4D Printing Bioscaffolds for Advanced Orthopedics. Small, 2022, 18, e2106824.	10.0	49
83	Antitumor Efficacy of Doxorubicin-Loaded Laponite/Alginate Hybrid Hydrogels. Macromolecular Bioscience, 2014, 14, 110-120.	4.1	48
84	Dextranâ€“gâ€“PEI nanoparticles as a carrier for co-delivery of adriamycin and plasmid into osteosarcoma cells. International Journal of Biological Macromolecules, 2011, 49, 173-180.	7.5	47
85	Deficiency of IL-12p35 improves cardiac repair after myocardial infarction by promoting angiogenesis. Cardiovascular Research, 2016, 109, 249-259.	3.8	47
86	Constructing biodegradable nanochitin-contained chitosan hydrogel beads for fast and efficient removal of Cu(II) from aqueous solution. Carbohydrate Polymers, 2019, 211, 152-160.	10.2	47
87	Effect of crystal seeding on the hydration of calcium phosphate cement. Journal of Materials Science: Materials in Medicine, 1997, 8, 803-807.	3.6	46
88	High expression of ezrin predicts poor prognosis in uterine cervical cancer. BMC Cancer, 2013, 13, 520.	2.6	46
89	Surface Topography Regulates Osteogenic Differentiation of MSCs via Crosstalk between FAK/MAPK and ILK/Î²-Catenin Pathways in a Hierarchically Porous Environment. ACS Biomaterials Science and Engineering, 2017, 3, 3161-3175.	5.2	46
90	Multicellularity-interweaved bone regeneration of BMP-2-loaded scaffold with orchestrated kinetics of resorption and osteogenesis. Biomaterials, 2019, 216, 119216.	11.4	46

#	Article	IF	Citations
91	Mesoporous bioactive glass doped-poly (3-hydroxybutyrate-co-3-hydroxyhexanoate) composite scaffolds with 3-dimensionally hierarchical pore networks for bone regeneration. Colloids and Surfaces B: Biointerfaces, 2014, 116, 72-80.	5.0	45
92	A poly(glycerol sebacate)-coated mesoporous bioactive glass scaffold with adjustable mechanical strength, degradation rate, controlled-release and cell behavior for bone tissue engineering. Colloids and Surfaces B: Biointerfaces, 2015, 131, 1-11.	5.0	45
93	Correlation of particle properties with cytotoxicity and cellular uptake of hydroxyapatite nanoparticles in human gastric cancer cells. Materials Science and Engineering C, 2016, 67, 453-460.	7.3	45
94	Manipulation of VEGF-induced angiogenesis by 2-N, 6-O-sulfated chitosan. Acta Biomaterialia, 2018, 71, 510-521.	8.3	45
95	Enhancement of VEGF-Mediated Angiogenesis by 2-N,6-O-Sulfated Chitosan-Coated Hierarchical PLGA Scaffolds. ACS Applied Materials & Interfaces, 2015, 7, 9982-9990.	8.0	44
96	Nanostructured hydroxyapatite surfaces-mediated adsorption alters recognition of BMP receptor IA and bioactivity of bone morphogenetic protein-2. Acta Biomaterialia, 2015, 27, 275-285.	8.3	44
97	Mesoporous bioactive glass combined with graphene oxide scaffolds for bone repair. International Journal of Biological Sciences, 2019, 15, 2156-2169.	6.4	44
98	A novel injectable starch-based tissue adhesive for hemostasis. Journal of Materials Chemistry B, 2020, 8, 8282-8293.	5.8	44
99	Formation of graphene oxide-hybridized nanogels for combinative anticancer therapy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 2387-2395.	3.3	43
100	Electrobiofabrication: electrically based fabrication with biologically derived materials. Biofabrication, 2019, 11, 032002.	7.1	43
101	Plant distribution at the mobile dune scale and its relevance to soil properties and topographic features. Environmental Geology, 2008, 54, 1111-1120.	1.2	42
102	Magnesium modification up-regulates the bioactivity of bone morphogenetic protein-2 upon calcium phosphate cement via enhanced BMP receptor recognition and Smad signaling pathway. Colloids and Surfaces B: Biointerfaces, 2016, 145, 140-151.	5.0	42
103	Multistimulative Nanogels with Enhanced Thermosensitivity for Intracellular Therapeutic Delivery. ACS Applied Materials & Interfaces, 2017, 9, 39143-39151.	8.0	42
104	Quaternary Ammonium Groups Modified Starch Microspheres for Instant Hemorrhage Control. Colloids and Surfaces B: Biointerfaces, 2017, 159, 937-944.	5.0	42
105	Synergistic Combination of Bioactive Hydroxyapatite Nanoparticles and the Chemotherapeutic Doxorubicin to Overcome Tumor Multidrug Resistance. Small, 2021, 17, e2007672.	10.0	42
106	Studies on Molecular Composites of Polyamide 6/Polyamide 66. Macromolecular Rapid Communications, 2004, 25, 1714-1718.	3.9	41
107	Novel Bionic Topography with MiR-21 Coating for Improving Bone-Implant Integration through Regulating Cell Adhesion and Angiogenesis. Nano Letters, 2020, 20, 7716-7721.	9.1	41
108	Intelligent Molybdenum Disulfide Complexes as a Platform for Cooperative Imagingâ€Guided Triâ€Mode Chemoâ€Photothermoâ€Immunotherapy. Advanced Science, 2021, 8, e2100165.	11.2	41

#	Article	IF	Citations
109	OCT4 maintains self-renewal and reverses senescence in human hair follicle mesenchymal stem cells through the downregulation of p21 by DNA methyltransferases. Stem Cell Research and Therapy, 2019, 10, 28.	5.5	40
110	The physicochemical properties of the solidification of calcium phosphate cement. Journal of Biomedical Materials Research Part B, 2004, 69B, 73-78.	3.1	38
111	2- N , 6- O -sulfated chitosan-assisted BMP-2 immobilization of PCL scaffolds for enhanced osteoinduction. Materials Science and Engineering C, 2017, 74, 298-306.	7.3	38
112	Molecular dynamics simulations of adsorption and desorption of bone morphogenetic protein-2 on textured hydroxyapatite surfaces. Acta Biomaterialia, 2018, 80, 121-130.	8.3	38
113	Formation of enzymatic/redox-switching nanogates on mesoporous silica nanoparticles for anticancer drug delivery. Materials Science and Engineering C, 2019, 100, 855-861.	7.3	38
114	Strontium attenuates rhBMP-2-induced osteogenic differentiation via formation of Sr-rhBMP-2 complex and suppression of Smad-dependent signaling pathway. Acta Biomaterialia, 2016, 33, 290-300.	8.3	37
115	Urethane-based low-temperature curing, highly-customized and multifunctional poly(glycerol) Tj ETQq1 1 0.784314 rgBT /Overlock 10	8.3	37
116	Facilitated vascularization and enhanced bone regeneration by manipulation hierarchical pore structure of scaffolds. Materials Science and Engineering C, 2020, 110, 110622.	7.3	37
117	Calcium phosphate-based materials regulate osteoclast-mediated osseointegration. Bioactive Materials, 2021, 6, 4517-4530.	15.6	37
118	Biomimetic Hydroxyapatite Nanorods Promote Bone Regeneration via Accelerating Osteogenesis of BMSCs through T Cell-Derived IL-22. ACS Nano, 2022, 16, 755-770.	14.6	37
119	Controllable Synthesis of Biomimetic Hydroxyapatite Nanorods with High Osteogenic Bioactivity. ACS Biomaterials Science and Engineering, 2020, 6, 320-328.	5.2	36
120	A reduced polydopamine nanoparticle-coupled sprayable PEG hydrogel adhesive with anti-infection activity for rapid wound sealing. Biomaterials Science, 2020, 8, 6946-6956.	5.4	36
121	Enhanced bioelectricity output of microbial fuel cells via electrospinning zeolitic imidazolate framework-67/polyacrylonitrile carbon nanofiber cathode. Bioresource Technology, 2021, 337, 125358.	9.6	36
122	Nicotinamide phosphoribosyltransferase postpones rat bone marrow mesenchymal stem cell senescence by mediating NAD+â€“Sirt1 signaling. Aging, 2019, 11, 3505-3522.	3.1	36
123	Synthesis of mesoporous hydroxyapatite nanoparticles using a template-free sonochemistry-assisted microwave method. Journal of Materials Science, 2013, 48, 5334-5341.	3.7	35
124	Celastrol induces apoptosis in hepatocellular carcinoma cells via targeting ER-stress/UPR. Oncotarget, 2017, 8, 93039-93050.	1.8	34
125	Localization and promotion of recombinant human bone morphogenetic protein-2 bioactivity on extracellular matrix mimetic chondroitin sulfate-functionalized calcium phosphate cement scaffolds. Acta Biomaterialia, 2018, 71, 184-199.	8.3	34
126	Radical Scavenging Activities of Biomimetic Catechol-Chitosan Films. Biomacromolecules, 2018, 19, 3502-3514.	5.4	34

#	Article	IF	Citations
127	Time-Phase Sequential Utilization of Adipose-Derived Mesenchymal Stem Cells on Mesoporous Bioactive Glass for Restoration of Critical Size Bone Defects. ACS Applied Materials & Interfaces, 2018, 10, 28340-28350.	8.0	34
128	Facilitated receptor-recognition and enhanced bioactivity of bone morphogenetic protein-2 on magnesium-substituted hydroxyapatite surface. Scientific Reports, 2016, 6, 24323.	3.3	33
129	Stimulative nanogels with enhanced thermosensitivity for therapeutic delivery via Î²-cyclodextrin-induced formation of inclusion complexes. Carbohydrate Polymers, 2017, 166, 219-227.	10.2	33
130	Spatiotemporal Immunomodulation Using Biomimetic Scaffold Promotes Endochondral Ossificationâ€Mediated Bone Healing. Advanced Science, 2021, 8, e2100143.	11.2	33
131	Enhanced osteogenesis of bone morphology protein-2 in 2- N ,6- O -sulfated chitosan immobilized PLGA scaffolds. Colloids and Surfaces B: Biointerfaces, 2014, 122, 359-367.	5.0	32
132	Enhancement of BMP-2-mediated angiogenesis and osteogenesis by 2-N,6-O-sulfated chitosan in bone regeneration. Biomaterials Science, 2018, 6, 431-439.	5.4	32
133	Recombinant human BMP-2 accelerates the migration of bone marrow mesenchymal stem cellsviathe CDC42/PAK1/LIMK1 pathwayin vitroandin vivo. Biomaterials Science, 2019, 7, 362-372.	5.4	32
134	Recapitulation of In Situ Endochondral Ossification Using an Injectable Hypoxiaâ€Mimetic Hydrogel. Advanced Functional Materials, 2021, 31, 2008515.	14.9	32
135	TMEM43-S358L mutation enhances NF-ÎºB-TGFÎ² signal cascade in arrhythmogenic right ventricular dysplasia/cardiomyopathy. Protein and Cell, 2019, 10, 104-119.	11.0	31
136	Preparation and characterization of chitosan/PEG/gelatin composites for tissue engineering. Journal of Applied Polymer Science, 2009, 114, 1220-1225.	2.6	30
137	Fabrication of Bioactive Scaffold of Poly(É›â€Caprolactone) and Nanofiber Wollastonite Composite. Journal of the American Ceramic Society, 2009, 92, 1017-1023.	3.8	30
138	Electrofabrication of functional materials: Chloramine-based antimicrobial film for infectious wound treatment. Acta Biomaterialia, 2018, 73, 190-203.	8.3	30
139	Regional Control of Hairless versus Hair-Bearing Skin by Dkk2. Cell Reports, 2018, 25, 2981-2991.e3.	6.4	30
140	Incorporating redox-sensitive nanogels into bioabsorbable nanofibrous membrane to acquire ROS-balance capacity for skin regeneration. Bioactive Materials, 2021, 6, 3461-3472.	15.6	30
141	Sox9 Gene Transfer Enhanced Regenerative Effect of Bone Marrow Mesenchymal Stem Cells on the Degenerated Intervertebral Disc in a Rabbit Model. PLoS ONE, 2014, 9, e93570.	2.5	30
142	Construction of developmentally inspired periosteum-like tissue for bone regeneration. Bone Research, 2022, 10, 1.	11.4	30
143	Laser cladding FeCrCoNiTiAl high entropy alloy coatings reinforced with self-generated TiC particles. Journal of Laser Applications, 2017, 29, .	1.7	29
144	Interleukin-3 stimulates matrix metalloproteinase 12 production from macrophages promoting thoracic aortic aneurysm/dissection. Clinical Science, 2018, 132, 655-668.	4.3	29

#	Article	IF	Citations
145	Activation of autophagy contributes to the renoprotective effect of postconditioning on acute kidney injury and renal fibrosis. Biochemical and Biophysical Research Communications, 2018, 504, 641-646.	2.1	29
146	Core/Shell PEGS/HA Hybrid Nanoparticle Via Micelle-Coordinated Mineralization for Tumor-Specific Therapy. ACS Applied Materials & Interfaces, 2020, 12, 12109-12119.	8.0	29
147	Self-assembling RATEA16 peptide nanofiber designed for rapid hemostasis. Journal of Materials Chemistry B, 2020, 8, 1897-1905.	5.8	29
148	Enhanced remediation of heavy metals contaminated soils with EK-PRB using Î²-CD/hydrothermal biochar by waste cotton as reactive barrier. Chemosphere, 2022, 286, 131470.	8.2	29
149	Nanoparticles vs. nanofibers: a comparison of two drug delivery systems on assessing drug release performance in vitro. Designed Monomers and Polymers, 2015, 18, 678-689.	1.6	28
150	Triple cell-responsive nanogels for delivery of drug into cancer cells. Colloids and Surfaces B: Biointerfaces, 2018, 163, 362-368.	5.0	28
151	The immunomodulatory role of sulfated chitosan in BMP-2-mediated bone regeneration. Biomaterials Science, 2018, 6, 2496-2507.	5.4	28
152	Enlisting a Traditional Chinese Medicine to tune the gelation kinetics of a bioactive tissue adhesive for fast hemostasis or minimally invasive therapy. Bioactive Materials, 2021, 6, 905-917.	15.6	28
153	Effects of polyphenylene oxide content on morphology, thermal, and mechanical properties of polyphenylene oxide/polyamide 6 blends. Journal of Applied Polymer Science, 2006, 99, 2076-2081.	2.6	27
154	Kaolin-reinforced 3D MBG scaffolds with hierarchical architecture and robust mechanical strength for bone tissue engineering. Journal of Materials Chemistry B, 2014, 2, 3782-3790.	5.8	26
155	Identification of type IV collagen exposure as a molecular imaging target for early detection of thoracic aortic dissection. Theranostics, 2018, 8, 437-449.	10.0	26
156	Polyglutamic acid-coordinated assembly of hydroxyapatite nanoparticles for synergistic tumor-specific therapy. Nanoscale, 2019, 11, 15312-15325.	5.6	26
157	Accelerated Bone Regenerative Efficiency by Regulating Sequential Release of BMP-2 and VEGF and Synergism with Sulfated Chitosan. ACS Biomaterials Science and Engineering, 2019, 5, 1944-1955.	5.2	26
158	How to reprogram human fibroblasts to neurons. Cell and Bioscience, 2020, 10, 116.	4.8	26
159	Delivery of Salvianolic Acid B for Efficient Osteogenesis and Angiogenesis from Silk Fibroin Combined with Graphene Oxide. ACS Biomaterials Science and Engineering, 2020, 6, 3539-3549.	5.2	26
160	Polyurethane prepolymer-modified high-content starch-PBAT films. Carbohydrate Polymers, 2021, 253, 117168.	10.2	26
161	MicroRNA-27b-3p down-regulates FGF1 and aggravates pathological cardiac remodelling. Cardiovascular Research, 2022, 118, 2139-2151.	3.8	26
162	Matrix stiffness regulates myocardial differentiation of human umbilical cord mesenchymal stem cells. Aging, 2021, 13, 2231-2250.	3.1	26

#	Article	IF	Citations
163	Nicotinamide phosphoribosyltransferase (Nampt) may serve as the marker for osteoblast differentiation of bone marrow-derived mesenchymal stem cells. Experimental Cell Research, 2017, 352, 45-52.	2.6	25
164	Superhydrophobic surfaces on brass substrates fabricated via micro-etching and a growth process. RSC Advances, 2017, 7, 26145-26152.	3.6	25
165	In vitro and in vivo degradation behavior of poly(trimethylene carbonate-co-d,l-lactic acid) copolymer. International Journal of Energy Production and Management, 2017, 4, 207-213.	3.7	25
166	miR-21 promotes osseointegration and mineralization through enhancing both osteogenic and osteoclastic expression. Materials Science and Engineering C, 2020, 111, 110785.	7.3	25
167	Altered expression profiles of microRNAs upon arsenic exposure of human umbilical vein endothelial cells. Environmental Toxicology and Pharmacology, 2012, 34, 381-387.	4.0	24
168	Cytotoxicity and Cellular Uptake of Amorphous Silica Nanoparticles in Human Cancer Cells. Particle and Particle Systems Characterization, 2015, 32, 779-787.	2.3	24
169	Largeâ€scale preparation of juteâ€fiberâ€reinforced starchâ€based composites with high mechanical strength and optimized biodegradability. Starch/Staerke, 2017, 69, 1700052.	2.1	24
170	Electrical signals triggered controllable formation of calcium-alginate film for wound treatment. Journal of Materials Science: Materials in Medicine, 2017, 28, 146.	3.6	24
171	Ectopic expression of the ATP synthase Î² subunit on the membrane of PC-3M cells supports its potential role in prostate cancer metastasis. International Journal of Oncology, 2017, 50, 1312-1320.	3.3	24
172	Tuning the bioactivity of bone morphogenetic protein-2 with surface immobilization strategies. Acta Biomaterialia, 2018, 80, 108-120.	8.3	24
173	A mechanically robust and flexible PEGylated poly(glycerol sebacate)/Î²-TCP nanoparticle composite membrane for guided bone regeneration. Journal of Materials Chemistry B, 2019, 7, 3279-3290.	5.8	24
174	Mesenchymal stem cells moderate immune response of type 1 diabetes. Cell and Tissue Research, 2017, 368, 239-248.	2.9	23
175	Direct assembly of anticancer drugs to form Laponite-based nanocomplexes for therapeutic co-delivery. Materials Science and Engineering C, 2019, 99, 1407-1414.	7.3	23
176	Tranexamic acid-loaded starch hemostatic microspheres. RSC Advances, 2019, 9, 6245-6253.	3.6	23
177	p62 participates in the inhibition of NF-Î²B signaling and apoptosis induced by sulfasalazine in human glioma U251 cells. Oncology Reports, 2015, 34, 235-243.	2.6	22
178	Calcium ion-induced formation of Î²-sheet/-turn structure leading to alteration of osteogenic activity of bone morphogenetic protein-2. Scientific Reports, 2015, 5, 12694.	3.3	22
179	Novel porous silica granules for instant hemostasis. RSC Advances, 2016, 6, 78930-78935.	3.6	22
180	Controlled synthesis and transformation of nano-hydroxyapatite with tailored morphologies for biomedical applications. Journal of Materials Chemistry B, 2017, 5, 9148-9156.	5.8	22

#	Article	IF	Citations
181	Preparation of thermo/redox/pHâ€stimulative poly(Nâ€isopropylacrylamideâ€coâ€N,Nâ€²â€dimethylaminoethyl methacrylate) nanogels and their DOX release behaviors. Journal of Biomedical Materials Research - Part A, 2019, 107, 1195-1203.	4.0	22
182	Advances in super-resolution fluorescence microscopy for the study of nanoâ€“cell interactions. Biomaterials Science, 2021, 9, 5484-5496.	5.4	22
183	MiR-34a suppression targets Nampt to ameliorate bone marrow mesenchymal stem cell senescence by regulating NAD+-Sirt1 pathway. Stem Cell Research and Therapy, 2021, 12, 271.	5.5	22
184	Lysozyme Amyloid Fibril-Integrated PEG Injectable Hydrogel Adhesive with Improved Antiswelling and Antibacterial Capabilities. Biomacromolecules, 2022, 23, 1376-1391.	5.4	22
185	Insight into the role of N,N-dimethylaminoethyl methacrylate (DMAEMA) conjugation onto poly(ethylenimine): cell viability and gene transfection studies. Journal of Materials Science: Materials in Medicine, 2012, 23, 2967-2980.	3.6	21
186	Quantitative proteomic study of human prostate cancer cells with different metastatic potentials. International Journal of Oncology, 2016, 48, 1437-1446.	3.3	21
187	Synergistic effects of dimethyloxallyl glycine and recombinant human bone morphogenetic protein-2 on repair of critical-sized bone defects in rats. Scientific Reports, 2017, 7, 42820.	3.3	21
188	Adsorption behavior of 2, 3, 7, 8-tetrachlorodibenzo-p-dioxin on pristine and doped black phosphorene: A DFT study. Chemosphere, 2017, 185, 509-517.	8.2	21
189	Increasing the removal of proteinâ€bound uremic toxins by liposomeâ€supported hemodialysis. Artificial Organs, 2019, 43, 490-503.	1.9	21
190	Enhanced healing of rabbit segmental radius defects with surface-coated calcium phosphate cement/bone morphogenetic protein-2 scaffolds. Materials Science and Engineering C, 2014, 44, 326-335.	7.3	20
191	Strontium doping promotes bioactivity of rhBMP-2 upon calcium phosphate cement via elevated recognition and expression of BMPR-IA. Colloids and Surfaces B: Biointerfaces, 2017, 159, 684-695.	5.0	20
192	Synergistic effects of dual growth factor delivery from composite hydrogels incorporating 2-N,6-O-sulphated chitosan on bone regeneration. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 1-17.	2.8	20
193	Calcium content mediated hemostasis of calcium-modified oxidized microporous starch. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 1716-1728.	3.5	20
194	Promoting Effect and Mechanism of Alkali Na on Pd/SBAâ€15 for Room Temperature Formaldehyde Catalytic Oxidation. ChemCatChem, 2019, 11, 5098-5107.	3.7	20
195	Mechanisms Underlying Cancer Growth and Apoptosis by DEK Overexpression in Colorectal Cancer. PLoS ONE, 2014, 9, e111260.	2.5	20
196	Litter Decomposition in a Semiarid Dune Grassland: Neutral Effect of Water Supply and Inhibitory Effect of Nitrogen Addition. PLoS ONE, 2016, 11, e0162663.	2.5	20
197	Robust heart beat detection from photoplethysmography interlaced with motion artifacts based on Empirical Mode Decomposition. , 2012, , .		19
198	Fabrication of mesoporous calcium silicate/calcium phosphate cement scaffolds with high mechanical strength by freeform fabrication system with micro-droplet jetting. Journal of Materials Science, 2015, 50, 7182-7191.	3.7	19

#	Article	IF	Citations
199	Study on Î²-cyclodextrin-complexed nanogels with improved thermal response for anticancer drug delivery. Materials Science and Engineering C, 2017, 78, 773-779.	7.3	19
200	Circulating miRNAs Related to Long-term Adverse Cardiovascular Events in STEMI Patients: A Nested Case-Control Study. Canadian Journal of Cardiology, 2021, 37, 77-85.	1.7	19
201	Site-directed immobilization of antibodies onto blood contacting grafts for enhanced endothelial cell adhesion and proliferation. Soft Matter, 2011, 7, 7207.	2.7	18
202	Template size matched film thickness for effectively in situ surface imprinting: a model study of glycoprotein imprints. RSC Advances, 2015, 5, 47010-47021.	3.6	18
203	Facile approach in fabricating hybrid superhydrophobic fluorinated polymethylhydrosiloxane/TiO2 nanocomposite coatings. Colloid and Polymer Science, 2015, 293, 1809-1816.	2.1	18
204	Accumulation of soil organic carbon during natural restoration of desertified grassland in Chinaâ€™s Horqin Sandy Land. Journal of Arid Land, 2015, 7, 328-340.	2.3	18
205	Drug-mediation formation of nanohybrids for sequential therapeutic delivery in cancer cells. Colloids and Surfaces B: Biointerfaces, 2018, 163, 284-290.	5.0	18
206	Transdifferentiation of Human Hair Follicle Mesenchymal Stem Cells into Red Blood Cells by OCT4. Stem Cells International, 2015, 2015, 1-16.	2.5	17
207	Feasibility of human hair follicle-derived mesenchymal stem cells/CultiSpherÂ®-G constructs in regenerative medicine. Cell and Tissue Research, 2015, 362, 69-86.	2.9	17
208	Differentiation of hepatocytes from induced pluripotent stem cells derived from human hair follicle mesenchymal stem cells. Cell and Tissue Research, 2016, 366, 89-99.	2.9	17
209	Microporous density-mediated response of MSCs on 3D trimodal macro/micro/nano-porous scaffolds via fibronectin/integrin and FAK/MAPK signaling pathways. Journal of Materials Chemistry B, 2017, 5, 3586-3599.	5.8	17
210	miR-27b promotes type II collagen expression by targetting peroxisome proliferator-activated receptor-Î³2 during rat articular chondrocyte differentiation. Bioscience Reports, 2018, 38, .	2.4	17
211	Generation of rhBMP-2-induced juvenile ossicles in aged mice. Biomaterials, 2020, 258, 120284.	11.4	17
212	A triple-coated ligament graft to facilitate ligament-bone healing by inhibiting fibrogenesis and promoting osteogenesis. Acta Biomaterialia, 2020, 115, 160-175.	8.3	17
213	A biomimetic and bioactive scaffold with intelligently pulsatile teriparatide delivery for local and systemic osteoporosis regeneration. Bioactive Materials, 2023, 19, 75-87.	15.6	17
214	Melting behavior and nonisothermal crystallization kinetics of polyamide 6/polyamide 66 molecular composites viain situ polymerization. Journal of Applied Polymer Science, 2005, 98, 2172-2177.	2.6	16
215	In vitrosurface reaction layer formation and dissolution of calcium phosphate cementâ€“bioactive glass composites. Biomedical Materials (Bristol), 2008, 3, 034111.	3.3	16
216	Transplantation of mesenchymal stem cells improves type 1 diabetes mellitus. Cell and Tissue Research, 2016, 364, 345-355.	2.9	16

#	Article	IF	Citations
217	Deficiency of Î³ÎT cells protects against abdominal aortic aneurysms by regulating phosphoinositide 3-kinase/AKT signaling. Journal of Vascular Surgery, 2018, 67, 899-908.e1.	1.1	16
218	Co-expression network analysis identified key genes in association with mesenchymal stem cell osteogenic differentiation. Cell and Tissue Research, 2019, 378, 513-529.	2.9	16
219	Chondroitin sulfate-polydopamine modified polyethylene terephthalate with extracellular matrix-mimetic immunoregulatory functions for osseointegration. Journal of Materials Chemistry B, 2019, 7, 7756-7770.	5.8	16
220	Hybridization of graphene oxide into nanogels to acquire higher photothermal effects for therapeutic delivery. Nanotechnology, 2019, 30, 115701.	2.6	16
221	Tumor-mediated shape-transformable nanogels with pH/redox/enzymatic-sensitivity for anticancer therapy. Journal of Materials Chemistry B, 2020, 8, 3801-3813.	5.8	16
222	A Machine Learning-Based Prediction Model for Cardiovascular Risk in Women With Preeclampsia. Frontiers in Cardiovascular Medicine, 2021, 8, 736491.	2.4	16
223	Isolation, culture and phenotypic characterization of human sweat gland epithelial cells. International Journal of Molecular Medicine, 2014, 34, 997-1003.	4.0	15
224	In situ biodegradable crosslinking of cationic oligomer coating on mesoporous silica nanoparticles for drug delivery. Colloids and Surfaces B: Biointerfaces, 2017, 153, 272-279.	5.0	15
225	Development of bioabsorbable polylactide membrane with controllable hydrophilicity for adjustment of cell behaviours. Royal Society Open Science, 2018, 5, 170868.	2.4	15
226	Dual-generation dendritic mesoporous silica nanoparticles for co-delivery and kinetically sequential drug release. RSC Advances, 2018, 8, 40598-40610.	3.6	15
227	Microstructural Evolution and Properties of 24CrNiMoY Alloy Steel Fabricated by Selective Laser Melting. Journal of Materials Engineering and Performance, 2019, 28, 5521-5532.	2.5	15
228	A novel strategy for tumor therapy: targeted, PAA-functionalized nano-hydroxyapatite nanomedicine. Journal of Materials Chemistry B, 2020, 8, 9589-9600.	5.8	15
229	Coupling PEG-LZM polymer networks with polyphenols yields suturable biohydrogels for tissue patching. Biomaterials Science, 2020, 8, 3334-3347.	5.4	15
230	Synergy effects of Asperosaponin VI and bioactive factor BMP-2 on osteogenesis and anti-osteoclastogenesis. Bioactive Materials, 2022, 10, 335-344.	15.6	15
231	Regulation of Inflammatory Response and Osteogenesis to Citrateâ€Based Biomaterials through Incorporation of Alkaline Fragments. Advanced Healthcare Materials, 2022, 11, e2101590.	7.6	15
232	Electro-assembly of a dynamically adaptive molten fibril state for collagen. Science Advances, 2022, 8, eabl7506.	10.3	15
233	Comparison of the PLA-mPEG and mPEG-PLA-mPEG copolymers nanoparticles on the plasma protein adsorption and in vivo biodistribution. Soft Matter, 2009, 5, 2875.	2.7	14
234	Surface-induced conformational and functional changes of bone morphogenetic protein-2 adsorbed onto single-walled carbon nanotubes. Biochemical and Biophysical Research Communications, 2013, 440, 215-221.	2.1	14

#	Article	IF	Citations
235	Potentiation effect of HB-EGF on facilitating wound healing via 2-N,6-O-sulfated chitosan nanoparticles modified PLGA scaffold. RSC Advances, 2017, 7, 43161-43171.	3.6	14
236	Association of Soluble ST2 Serum Levels With Outcomes in Pediatric Dilated Cardiomyopathy. Canadian Journal of Cardiology, 2019, 35, 727-735.	1.7	14
237	Coupling Self-Assembly Mechanisms to Fabricate Molecularly and Electrically Responsive Films. Biomacromolecules, 2019, 20, 969-978.	5.4	14
238	Tissue Engineering and Regenerative Medicine Therapies for Cell Senescence in Bone and Cartilage. Tissue Engineering - Part B: Reviews, 2020, 26, 64-78.	4.8	14
239	Studies on novel composites of polyoxymethylene/ polyamide 6. Journal of Applied Polymer Science, 2006, 99, 335-339.	2.6	13
240	In situ formation of biodegradable dextranâ€based hydrogel via Michael addition. Journal of Applied Polymer Science, 2013, 127, 577-584.	2.6	13
241	Biofabricated Nanoparticle Coating for Liverâ€Cell Targeting. Advanced Healthcare Materials, 2015, 4, 1972-1981.	7.6	13
242	Over-expression of BAG-1 in head and neck squamous cell carcinomas (HNSCC) is associated with cisplatin-resistance. Journal of Translational Medicine, 2017, 15, 189.	4.4	13
243	Pro- and Anti-oxidant Properties of Redox-Active Catechol-Chitosan Films. Frontiers in Chemistry, 2019, 7, 541.	3.6	13
244	Regulatory effects of dermal papillary pluripotent stem cells on polarization of macrophages from M1 to M2 phenotype in vitro. Transplant Immunology, 2019, 52, 57-67.	1.2	13
245	Biomaterial-guided immobilization and osteoactivity of bone morphogenetic protein-2. Applied Materials Today, 2020, 19, 100599.	4.3	13
246	miR-124: A Promising Therapeutic Target for Central Nervous System Injuries and Diseases. Cellular and Molecular Neurobiology, 2022, 42, 2031-2053.	3.3	13
247	Electrical Signal Initiates Kinetic Assembly of Collagen to Construct Optically Transparent and Geometry Customized Artificial Cornea Substitutes. ACS Nano, 2022, 16, 10632-10646.	14.6	13
248	Controlled synthesis of shell cross-linked magnetic micelles for efficient liver MR imaging. Journal of Materials Chemistry, 2012, 22, 24936.	6.7	12
249	N and P resorption in a pioneer shrub (Artemisia halodendron) inhabiting severely desertified lands of Northern China. Journal of Arid Land, 2014, 6, 174-185.	2.3	12
250	Simple method for preparing ZnO superhydrophobic surfaces with micro/nano roughness. Journal of Adhesion Science and Technology, 2015, 29, 2153-2159.	2.6	12
251	Selective extraction of bioactive glycoprotein in neutral environment through Concanavalin A mediated template immobilization and dopamine surface imprinting. RSC Advances, 2016, 6, 86455-86463.	3.6	12
252	In Situ formation of pH-/thermo-sensitive nanohybrids via friendly-assembly of poly(N-vinylpyrrolidone) onto LAPONITEÂ®. RSC Advances, 2016, 6, 31816-31823.	3.6	12

#	Article	IF	Citations
253	Notch1 inhibition enhances DNA damage induced by cisplatin in cervical cancer. Experimental Cell Research, 2019, 376, 27-38.	2.6	12
254	Construction of cytokine reservoirs based on sulfated chitosan hydrogels for the capturing of VEGF in situ. Journal of Materials Chemistry B, 2019, 7, 1882-1892.	5.8	12
255	MicroRNA-27b targets CBFB to inhibit differentiation of human bone marrow mesenchymal stem cells into hypertrophic chondrocytes. Stem Cell Research and Therapy, 2020, 11, 392.	5.5	12
256	Aggregate formation and surface activity of partially deacetylated water-soluble chitin. Research on Chemical Intermediates, 2008, 34, 169-179.	2.7	11
257	Multipotent Neural Crest Stem Cell-Like Cells from Rat Vibrissa Dermal Papilla Induce Neuronal Differentiation of PC12 Cells. BioMed Research International, 2014, 2014, 1-13.	1.9	11
258	Efficient feeder cells preparation system for large-scale preparation and application of induced pluripotent stem cells. Scientific Reports, 2017, 7, 12266.	3.3	11
259	pH/redox/thermo-stimulative nanogels with enhanced thermosensitivity via incorporation of cationic and anionic components for anticancer drug delivery. International Journal of Polymeric Materials and Polymeric Biomaterials, 2018, 67, 288-296.	3.4	11
260	An unusual morphology and crystallization behavior in in situ formed polyphenylene oxide/polyamide 6 blends. Journal of Materials Science, 2010, 45, 987-992.	3.7	10
261	Self-assembly of dual drug-delivery coating for synergistic bone regeneration. Journal of Materials Chemistry B, 2016, 4, 4901-4912.	5.8	10
262	Analysis of differentially expressed genes among human hair follicleâ€“derived iPSCs, induced hepatocyte-like cells, and primary hepatocytes. Stem Cell Research and Therapy, 2018, 9, 211.	5.5	10
263	Robust hierarchical porous MBG scaffolds with promoted biomineralization ability. Colloids and Surfaces B: Biointerfaces, 2019, 178, 22-31.	5.0	10
264	Strontium ranelate-loaded POFC/Î²-TCP porous scaffolds for osteoporotic bone repair. RSC Advances, 2020, 10, 9016-9025.	3.6	10
265	Siliceous mesostructured cellular foams/ poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) composite biomaterials for bone regeneration. International Journal of Nanomedicine, 2014, 9, 4795.	6.7	9
266	Recovery and separation of erythromycin from industrial wastewater by imprinted magnetic nanoparticles that exploit Î²â€cyclodextrin as the functional monomer. Journal of Separation Science, 2016, 39, 450-459.	2.5	9
267	Location, Isolation, and Identification of Mesenchymal Stem Cells from Adult Human Sweat Glands. Stem Cells International, 2018, 2018, 1-12.	2.5	9
268	The regulatory role of sulfated polysaccharides in facilitating rhBMP-2-induced osteogenesis. Biomaterials Science, 2019, 7, 4375-4387.	5.4	9
269	Preparation and printability of high performance 15Cr13MoY alloy steel powder for direct laser deposition. Powder Metallurgy, 2019, 62, 218-228.	1.7	9
270	Formation and Elimination Mechanism of Lack of Fusion and Cracks in Direct Laser Deposition 24CrNiMoY Alloy Steel. Journal of Materials Engineering and Performance, 2020, 29, 6439-6454.	2.5	9

#	Article	IF	Citations
271	Eco-friendly development of an ultrasmall IONP-loaded nanoplatform for bimodal imaging-guided cancer theranostics. Biomaterials Science, 2020, 8, 6375-6386.	5.4	9
272	Lactate Promotes Reactive Astrogliosis and Confers Axon Guidance Potential to Astrocytes under Oxygen-Glucose Deprivation. Neuroscience, 2020, 442, 54-68.	2.3	9
273	Multifunctional Ag/polymer composite nanospheres for drug delivery and cell imaging. Journal of Materials Science, 2020, 55, 13995-14007.	3.7	9
274	Size-transformable nanohybrids with pH/redox/enzymatic sensitivity for anticancer therapy. Journal of Materials Chemistry B, 2021, 9, 4319-4328.	5.8	9
275	MiR-124 and Small Molecules Synergistically Regulate the Generation of Neuronal Cells from Rat Cortical Reactive Astrocytes. Molecular Neurobiology, 2021, 58, 2447-2464.	4.0	9
276	A Novel Droplet-Fabricated Mesoporous Silica-Based Nanohybrid Granules for Hemorrhage Control. Journal of Biomedical Nanotechnology, 2018, 14, 649-661.	1.1	9
277	Continuous Blown Film Preparation of High Starch Content Composite Films with High Ultraviolet Aging Resistance and Excellent Mechanical Properties. Polymers, 2021, 13, 3813.	4.5	9
278	Study of Polyamide 1212/Polyamide 6 Composites with Microfiber Structure via in-Situ Anionic Polymerization. Macromolecules, 2007, 40, 7984-7988.	4.8	8
279	Injectable hybrid laponite/alginate hydrogels for sustained release of methylene blue. Journal of Controlled Release, 2011, 152, e55-e57.	9.9	8
280	Biological characteristics of side population cells in a self-established human ovarian cancer cell line. Oncology Letters, 2016, 12, 41-48.	1.8	8
281	pH sensitive mesoporous nanohybrids with charge-reversal properties for anticancer drugÂdelivery. RSC Advances, 2017, 7, 46045-46050.	3.6	8
282	Genome-wide DNA methylation drives human embryonic stem cell erythropoiesis by remodeling gene expression dynamics. Epigenomics, 2017, 9, 1543-1558.	2.1	8
283	Potentiation effect on accelerating diabetic wound healing using 2-N,6-O-sulfated chitosan-doped PLGA scaffold. RSC Advances, 2018, 8, 19085-19097.	3.6	8
284	Photothermally Enhanced Chemotherapy Delivered by Graphene Oxide-Based Multiresponsive Nanogels. ACS Applied Bio Materials, 2019, 2, 330-338.	4.6	8
285	Laser Cladding Novel NiCrSiFeBWâ€“CeO2 Coating with Both High Wear and Corrosion Resistance. Metals and Materials International, 2021, 27, 2706-2719.	3.4	8
286	The thermal/pH-sensitive drug delivery system encapsulated by PAA based on hollow hybrid nanospheres with two silicon source. Journal of Biomaterials Science, Polymer Edition, 2021, 32, 695-713.	3.5	8
287	Design of Shallow Surface Electromagnetic Detection Transmitting Scheme Based on Three-Frequency Resonance. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	8
288	Excessive DNA damage mediates ECM degradation via the RBBP8/NOTCH1 pathway in sporadic aortic dissection. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2022, 1868, 166303.	3.8	8

#	Article	IF	Citations
289	Fabrication and evaluation of a BMP-2/dexamethasone co-loaded gelatin sponge scaffold for rapid bone regeneration. International Journal of Energy Production and Management, 2022, 9, rbac008.	3.7	8
290	Effects of maleated styrene-(ethylene-co-butene)-styrene on the morphology and mechanical and thermal properties of polystyrene/polyamide 1212 blends. Journal of Applied Polymer Science, 2005, 95, 1354-1360.	2.6	7
291	Thermodynamic Calculations of Melt in Melt Pool During Laser Cladding High Silicon Coatings. Journal of Iron and Steel Research International, 2008, 15, 5-10.	2.8	7
292	Preparation, rheological properties and primary cytocompatibility of TPU/PLA blends as biomedical materials. Journal Wuhan University of Technology, Materials Science Edition, 2016, 31, 211-218.	1.0	7
293	The role of vanadium species during SO₂ removal over a V₂O₅/AC catalyst. Catalysis Science and Technology, 2020, 10, 231-239.	4.1	7
294	Leucine-activated nanohybrid biofilm for skin regeneration via improving cell affinity and neovascularization capacity. Journal of Materials Chemistry B, 2020, 8, 7966-7976.	5.8	7
295	Soft Matrix Combined With BMPR Inhibition Regulates Neurogenic Differentiation of Human Umbilical Cord Mesenchymal Stem Cells. Frontiers in Bioengineering and Biotechnology, 2020, 8, 791.	4.1	7
296	Physicochemical Properties and Biocompatibility of White Dextrin Modified Injectable Calciumâ€“Magnesium Phosphate Cement. International Journal of Applied Ceramic Technology, 2012, 9, 979-990.	2.1	6
297	Effect of the solvent on improving the recognition properties of surface molecularly imprinted polymers for precise separation of erythromycin. RSC Advances, 2015, 5, 83619-83627.	3.6	6
298	Interleukin-33-induced immune tolerance is associated with the imbalance of memory and naÃ¯ve T-lymphocyte subsets. Molecular Medicine Reports, 2016, 14, 4837-4843.	2.4	6
299	CPS1 T1405N polymorphism, HDL cholesterol, homocysteine and renal function are risk factors of VPA induced hyperammonemia among epilepsy patients. Epilepsy Research, 2019, 154, 139-143.	1.6	6
300	Surfaceâ€modified pliable PDLLA/PCL/Î²â€TCP scaffolds as a promising delivery system for bone regeneration. Journal of Applied Polymer Science, 2014, 131, .	2.6	5
301	Preparation of PSt/SiO2nanoparticles with raspberry-like structure via nonionic surfactant miniemulsion polymerization. Journal of Adhesion Science and Technology, 2015, 29, 2117-2129.	2.6	5
302	Effective incorporation of rhBMP-2 on implantable titanium disks with microstructures by using electrostatic spraying deposition. RSC Advances, 2016, 6, 51914-51923.	3.6	5
303	Tethering of rhBMP-2 upon calcium phosphate cement via alendronate/heparin for localized, sustained and enhanced osteoactivity. RSC Advances, 2017, 7, 20281-20292.	3.6	5
304	Enhanced cell affinity of PHBHHx composite scaffold with polylactide-graft-hydroxyapatite as compatibilizer. Materials Science and Engineering C, 2017, 80, 472-483.	7.3	5
305	Effect of Ce element on microstructure and properties of 12CrNi2Ce alloy steel prepared by laser direct metal deposition. Journal of Laser Applications, 2018, 30, 032020.	1.7	5
306	The degradation behavior of calciumâ€rich hydroxyapatite foams in vitro. Journal of Biomedical Materials Research - Part A, 2021, 109, 859-868.	4.0	5

#	Article	IF	Citations
307	Enhanced thermal conductivity of polyamideâ€66 composites with mesocarbon microbeads through simple melt blending. Polymer Engineering and Science, 2022, 62, 530-536.	3.1	5
308	Statistic Copolymers Working as Growth Factorâ€Binding Mimics of Fibronectin. Advanced Science, 2022, 9, e2200775.	11.2	5
309	Finding the merits and drawbacks of software resources from comments. , 2011, , .		4
310	Theranostic Nanoshells: Facile Synthesis of Monodisperse Superparamagnetic Fe3O4 Core@hybrid@Au Shell Nanocomposite for Bimodal Imaging and Photothermal Therapy (Adv. Mater. 45/2011). Advanced Materials, 2011, 23, 5332-5332.	21.0	4
311	Tethering silver ions on amino-functionalized mesoporous silica for enhanced and sustained antibacterial properties. RSC Advances, 2015, 5, 104289-104298.	3.6	4
312	Developmental stage-specific effects of Pim-1 dysregulation on murine bone marrow B cell development. BMC Immunology, 2016, 17, 16.	2.2	4
313	Atomistic understanding of interfacial interactions between bone morphogenetic protein-7 and graphene with different oxidation degrees. Materials Chemistry Frontiers, 2019, 3, 1900-1908.	5.9	4
314	Upregulation of MAPK10, TUBB2B and RASL11B may contribute to the development of neuroblastoma. Molecular Medicine Reports, 2019, 20, 3475-3486.	2.4	4
315	Polyurethane Prepolymer Modified Cassava Starch Based Poly(butylene adipateâ€coâ€terephthalate) Composites with Excellent Compatibility and High Toughness. Starch/Staerke, 2019, 71, 1900098.	2.1	4
316	Studies on Formation Mechanism of In Situ Particles During Laser Direct Deposition of Fe-Based Composite Coatings with Valence Electron Structure Parameters. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 2599-2612.	2.2	4
317	Characteristics and printability of K417G nickel-base alloy powder prepared by VIGA method. Powder Metallurgy, 2019, 62, 30-37.	1.7	4
318	Agonism of Gpr40 Protects the Capacities of Epidermal Stem Cells (ESCs) Against Ultraviolet-B (UV-B) . Drug Design, Development and Therapy, 2020, Volume 14, 5143-5153.	4.3	4
319	Microstructure and Properties of 2Cr13-xMo Stainless Steels Fabricated by Direct Laser Deposition. Metals and Materials International, 2022, 28, 216-226.	3.4	4
320	Continuous and controllable electro-fabrication of antimicrobial copper-alginate dressing for infected wounds treatment. Journal of Materials Science: Materials in Medicine, 2021, 32, 143.	3.6	4
321	Bioactive Filmâ€Guided Softâ€“Hard Interface Design Technology for Multiâ€Tissue Integrative Regeneration. Advanced Science, 2022, , 2105945.	11.2	4
322	Determination of membrane areas for ultrafiltration processes. Journal of Chemical Technology and Biotechnology, 2001, 76, 1023-1029.	3.2	3
323	The effect of Î²-cyclodextrin on formation of poly (styrene-butyl acrylate) latexes and their film performance. Progress in Organic Coatings, 2016, 99, 386-392.	3.9	3
324	The analysis and fabrication of a novel tin-nickel mixed salt electrolytic coloured processing and the performance of coloured films for Al-12.7Si-0.7Mg alloy in acidic and alkali corrosive environments. International Journal of Precision Engineering and Manufacturing, 2017, 18, 93-98.	2.2	3

#	Article	IF	Citations
325	Engineering a favourable osteogenic microenvironment by heparin mediated hybrid coating assembly and rhBMP-2 loading. RSC Advances, 2017, 7, 11439-11447.	3.6	3
326	SEBS-based thermoplastic elastomers containing aluminum hypophosphite and melamine cyanurate: Thermal degradation, flame retardancy, and mechanical properties. Journal of Fire Sciences, 2019, 37, 137-154.	2.0	3
327	Characterisation of extraembryonic endoderm-like cells from mouse embryonic fibroblasts induced using chemicals alone. Stem Cell Research and Therapy, 2020, 11, 157.	5.5	3
328	Multiple-optima search method based on a metamodel and mathematical morphology. Engineering Optimization, 2016, 48, 437-453.	2.6	2
329	The Key Genes of Chronic Pancreatitis which Bridge Chronic Pancreatitis and Pancreatic Cancer Can be Therapeutic Targets. Pathology and Oncology Research, 2018, 24, 215-222.	1.9	2
330	Rat vibrissa dermal papilla cells promote healing of spinal cord injury following transplantation. Experimental and Therapeutic Medicine, 2018, 15, 3929-3939.	1.8	2
331	Overexpression of long non-coding RNA AP001505.9 inhibits human hyaline chondrocyte dedifferentiation. Aging, 2021, 13, 11433-11454.	3.1	2
332	Affinity-selected polysaccharide for rhBMP-2-induced osteogenesis via BMP receptor activation. Applied Materials Today, 2020, 20, 100681.	4.3	2
333	Fabrication and properties of multilayer chitosan membrane loaded with tinidazole. Journal Wuhan University of Technology, Materials Science Edition, 2007, 22, 102-107.	1.0	1
334	A novel silicateâ€doped calciumâ€based composite dental pulp capping agent. Asia-Pacific Journal of Chemical Engineering, 2009, 4, 522-527.	1.5	1
335	Microstructure and properties of high power-SLM 24CrNiMoY alloy steel at different laser energy density and tempering temperature. Powder Metallurgy, 2021, 64, 23-34.	1.7	1
336	Preparation and characterization of well ordered mesoporous diopside nanobiomaterial. , 2010, , .		0
337	EIS study of polyurethanes coatings on galvanized sheet by UV ageing. , 2011, , .		0
338	GW24-e0435â€…Cathepsin S deficiency results in abnormal accumulation of autophagosome in macrophages and enhances angiotensin II-induced cardiac inflammation and fibrosis. Heart, 2013, 99, A2.1-A2.	2.9	0
339	Extramedullary Osseointegrationâ€”A Novel Design of Percutaneous Osseointegration Prosthesis for Amputees. Frontiers in Bioengineering and Biotechnology, 2022, 10, 811128.	4.1	0