

# Yulin Li

## List of Publications by Citations

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334  
papers

10,667  
citations

50  
h-index

89  
g-index

353  
ext. papers

13,136  
ext. citations

7.6  
avg, IF

6.73  
L-index

#	Paper	IF	Citations
334	Injectable and biodegradable hydrogels: gelation, biodegradation and biomedical applications. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 2193-221	58.5	974
333	Biomimetic porous scaffolds for bone tissue engineering. <i>Materials Science and Engineering Reports</i> , <b>2014</b> , 80, 1-36	30.9	666
332	Biodegradable Polymer Nanogels for Drug/Nucleic Acid Delivery. <i>Chemical Reviews</i> , <b>2015</b> , 115, 8564-6086	88.1	330
331	The Horizon of Materiobiology: A Perspective on Material-Guided Cell Behaviors and Tissue Engineering. <i>Chemical Reviews</i> , <b>2017</b> , 117, 4376-4421	68.1	296
330	Kinetics of hydroxyapatite precipitation at pH 10 to 11. <i>Biomaterials</i> , <b>2001</b> , 22, 301-6	15.6	233
329	Mechanism of regulation of stem cell differentiation by matrix stiffness. <i>Stem Cell Research and Therapy</i> , <b>2015</b> , 6, 103	8.3	217
328	Size-mediated cytotoxicity and apoptosis of hydroxyapatite nanoparticles in human hepatoma HepG2 cells. <i>Biomaterials</i> , <b>2010</b> , 31, 730-40	15.6	187
327	Macrophage-Derived mir-155-Containing Exosomes Suppress Fibroblast Proliferation and Promote Fibroblast Inflammation during Cardiac Injury. <i>Molecular Therapy</i> , <b>2017</b> , 25, 192-204	11.7	180
326	Bioinspired trimodal macro/micro/nano-porous scaffolds loading rhBMP-2 for complete regeneration of critical size bone defect. <i>Acta Biomaterialia</i> , <b>2016</b> , 32, 309-323	10.8	156
325	Degradable, antibacterial silver exchanged mesoporous silica spheres for hemorrhage control. <i>Biomaterials</i> , <b>2009</b> , 30, 5364-75	15.6	146
324	Vascularization and bone regeneration in a critical sized defect using 2-N,6-O-sulfated chitosan nanoparticles incorporating BMP-2. <i>Biomaterials</i> , <b>2014</b> , 35, 684-98	15.6	145
323	Magnesium modification of a calcium phosphate cement alters bone marrow stromal cell behavior via an integrin-mediated mechanism. <i>Biomaterials</i> , <b>2015</b> , 53, 251-64	15.6	143
322	Redox-responsive alginate nanogels with enhanced anticancer cytotoxicity. <i>Biomacromolecules</i> , <b>2013</b> , 14, 3140-6	6.9	134
321	Enhanced bioactivity of bone morphogenetic protein-2 with low dose of 2-N, 6-O-sulfated chitosan in vitro and in vivo. <i>Biomaterials</i> , <b>2009</b> , 30, 1715-24	15.6	127
320	Effects of Matrix Stiffness on the Morphology, Adhesion, Proliferation and Osteogenic Differentiation of Mesenchymal Stem Cells. <i>International Journal of Medical Sciences</i> , <b>2018</b> , 15, 257-268	3.7	106
319	Thermo/redox/pH-triple sensitive poly(N-isopropylacrylamide-co-acrylic acid) nanogels for anticancer drug delivery. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 4221-4230	7.3	102
318	RhBMP-2-loaded calcium silicate/calcium phosphate cement scaffold with hierarchically porous structure for enhanced bone tissue regeneration. <i>Biomaterials</i> , <b>2013</b> , 34, 9381-92	15.6	100

3 <sup>17</sup>	Bone regeneration using photocrosslinked hydrogel incorporating rhBMP-2 loaded 2-N, 6-O-sulfated chitosan nanoparticles. <i>Biomaterials</i> , <b>2014</b> , 35, 2730-42	15.6	98
3 <sup>16</sup>	Rheological properties of concentrated aqueous injectable calcium phosphate cement slurry. <i>Biomaterials</i> , <b>2006</b> , 27, 5003-13	15.6	95
3 <sup>15</sup>	Osteogenic evaluation of calcium/magnesium-doped mesoporous silica scaffold with incorporation of rhBMP-2 by synchrotron radiation-based $\mu$ CT. <i>Biomaterials</i> , <b>2011</b> , 32, 8506-17	15.6	87
3 <sup>14</sup>	Interleukin-12p35 deletion promotes CD4 T-cell-dependent macrophage differentiation and enhances angiotensin II-induced cardiac fibrosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2012</b> , 32, 1662-74	9.4	87
3 <sup>13</sup>	Bone regeneration using cell-mediated responsive degradable PEG-based scaffolds incorporating with rhBMP-2. <i>Biomaterials</i> , <b>2013</b> , 34, 1514-28	15.6	85
3 <sup>12</sup>	Improved osteogenesis and angiogenesis of magnesium-doped calcium phosphate cement via macrophage immunomodulation. <i>Biomaterials Science</i> , <b>2016</b> , 4, 1574-1583	7.4	84
3 <sup>11</sup>	A dual-delivery system of pH-responsive chitosan-functionalized mesoporous silica nanoparticles bearing BMP-2 and dexamethasone for enhanced bone regeneration. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 2056-2066	7.3	84
3 <sup>10</sup>	Functionalized mesoporous bioactive glass scaffolds for enhanced bone tissue regeneration. <i>Scientific Reports</i> , <b>2016</b> , 6, 19361	4.9	80
3 <sup>09</sup>	Extracellular matrix stiffness controls osteogenic differentiation of mesenchymal stem cells mediated by integrin $\beta$ . <i>Stem Cell Research and Therapy</i> , <b>2018</b> , 9, 52	8.3	78
3 <sup>08</sup>	Charge-Reversal APTES-Modified Mesoporous Silica Nanoparticles with High Drug Loading and Release Controllability. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 17166-75	9.5	76
3 <sup>07</sup>	Evaluation of the viability and osteogenic differentiation of cryopreserved human adipose-derived stem cells. <i>Cryobiology</i> , <b>2008</b> , 57, 18-24	2.7	74
3 <sup>06</sup>	Effects of the granularity of raw materials on the hydration and hardening process of calcium phosphate cement. <i>Biomaterials</i> , <b>2003</b> , 24, 4103-13	15.6	74
3 <sup>05</sup>	Amphiphilic polymer-mediated formation of laponite-based nanohybrids with robust stability and pH sensitivity for anticancer drug delivery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 16687-95	9.5	73
3 <sup>04</sup>	pH-sensitive Laponite( $\square$ )/doxorubicin/alginate nanohybrids with improved anticancer efficacy. <i>Acta Biomaterialia</i> , <b>2014</b> , 10, 300-7	10.8	70
3 <sup>03</sup>	Rapid initiation of guided bone regeneration driven by spatiotemporal delivery of IL-8 and BMP-2 from hierarchical MBG-based scaffold. <i>Biomaterials</i> , <b>2019</b> , 196, 122-137	15.6	70
3 <sup>02</sup>	Nanomaterial-based bone regeneration. <i>Nanoscale</i> , <b>2017</b> , 9, 4862-4874	7.7	69
3 <sup>01</sup>	pH sensitive Laponite/alginate hybrid hydrogels: swelling behaviour and release mechanism. <i>Soft Matter</i> , <b>2011</b> , 7, 6231	3.6	68
3 <sup>00</sup>	Dendrimer-assisted formation of fluorescent nanogels for drug delivery and intracellular imaging. <i>Biomacromolecules</i> , <b>2014</b> , 15, 492-9	6.9	67

299	Mitochondria-Targeted Hydroxyapatite Nanoparticles for Selective Growth Inhibition of Lung Cancer in Vitro and in Vivo. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 25680-25690	9.5	65
298	Rough Structure of Electrodeposition as a Template for an Ultrarobust Self-Cleaning Surface. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 16571-16580	9.5	64
297	Biomaterials Act as Enhancers of Growth Factors in Bone Regeneration. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 8810-8823	15.6	63
296	Recent Findings in the Regulation of Programmed Death Ligand 1 Expression. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 1337	8.4	63
295	Effects of grazing and livestock exclusion on soil physical and chemical properties in desertified sandy grassland, Inner Mongolia, northern China. <i>Environmental Earth Sciences</i> , <b>2011</b> , 63, 771-783	2.9	60
294	Role of polydopamine's redox-activity on its pro-oxidant, radical-scavenging, and antimicrobial activities. <i>Acta Biomaterialia</i> , <b>2019</b> , 88, 181-196	10.8	60
293	Differential cytotoxicity and particle action of hydroxyapatite nanoparticles in human cancer cells. <i>Nanomedicine</i> , <b>2014</b> , 9, 397-412	5.6	59
292	Atg5 deficiency-mediated mitophagy aggravates cardiac inflammation and injury in response to angiotensin II. <i>Free Radical Biology and Medicine</i> , <b>2014</b> , 69, 108-115	7.8	58
291	Calcium-modified microporous starch with potent hemostatic efficiency and excellent degradability for hemorrhage control. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 4017-4026	7.3	56
290	A novel composite coupled hardness with flexibility: poly(lactic acid) toughen with thermoplastic polyurethane. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 121, 855-861	2.9	56
289	Tannic acid-loaded mesoporous silica for rapid hemostasis and antibacterial activity. <i>Biomaterials Science</i> , <b>2018</b> , 6, 3318-3331	7.4	55
288	Endosomal pH-activatable magnetic nanoparticle-capped mesoporous silica for intracellular controlled release. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 15960		54
287	Sandpaper as template for a robust superhydrophobic surface with self-cleaning and anti-snow/icing performances. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 548, 224-232	9.3	53
286	Preferential tumor accumulation and desirable interstitial penetration of poly(lactic-co-glycolic acid) nanoparticles with dual coating of chitosan oligosaccharide and polyethylene glycol-poly(D,L-lactic acid). <i>Acta Biomaterialia</i> , <b>2016</b> , 29, 248-260	10.8	51
285	Complement 5a receptor mediates angiotensin II-induced cardiac inflammation and remodeling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 1240-8	9.4	50
284	In vitro degradability, bioactivity and cell responses to mesoporous magnesium silicate for the induction of bone regeneration. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 120, 38-46	6	50
283	Tricalcium phosphate/poly(glycerol sebacate) scaffolds with robust mechanical property for bone tissue engineering. <i>Materials Science and Engineering C</i> , <b>2015</b> , 56, 37-47	8.3	49
282	A PEG-Lysozyme hydrogel harvests multiple functions as a fit-to-shape tissue sealant for internal-use of body. <i>Biomaterials</i> , <b>2019</b> , 192, 392-404	15.6	46

281	Induced pluripotent stem cells from human hair follicle mesenchymal stem cells. <i>Stem Cell Reviews and Reports</i> , <b>2013</b> , 9, 451-60	6.4	45
280	Complement C3a signaling facilitates skeletal muscle regeneration by regulating monocyte function and trafficking. <i>Nature Communications</i> , <b>2017</b> , 8, 2078	17.4	45
279	Biospecific Self-Assembly of a Nanoparticle Coating for Targeted and Stimuli-Responsive Drug Delivery. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 1404-1417	15.6	45
278	Preparation and preliminary cytocompatibility of magnesium doped apatite cement with degradability for bone regeneration. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2011</b> , 22, 607-154.5	4.5	45
277	PEGylated poly(glycerol sebacate)-modified calcium phosphate scaffolds with desirable mechanical behavior and enhanced osteogenic capacity. <i>Acta Biomaterialia</i> , <b>2016</b> , 44, 110-24	10.8	43
276	Poly(glycerol sebacate)-modified polylactic acid scaffolds with improved hydrophilicity, mechanical strength and bioactivity for bone tissue regeneration. <i>RSC Advances</i> , <b>2015</b> , 5, 79703-79714	3.7	42
275	Effect of crystal seeding on the hydration of calcium phosphate cement. <i>Journal of Materials Science: Materials in Medicine</i> , <b>1997</b> , 8, 803-7	4.5	42
274	Bio-inspired redox-cycling antimicrobial film for sustained generation of reactive oxygen species. <i>Biomaterials</i> , <b>2018</b> , 162, 109-122	15.6	40
273	Mesoporous bioactive glass doped-poly (3-hydroxybutyrate-co-3-hydroxyhexanoate) composite scaffolds with 3-dimensionally hierarchical pore networks for bone regeneration. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 116, 72-80	6	39
272	Effect of matrix stiffness on the proliferation and differentiation of umbilical cord mesenchymal stem cells. <i>Differentiation</i> , <b>2017</b> , 96, 30-39	3.5	38
271	Antitumor efficacy of doxorubicin-loaded laponite/alginate hybrid hydrogels. <i>Macromolecular Bioscience</i> , <b>2014</b> , 14, 110-20	5.5	38
270	Dextran-g-PEI nanoparticles as a carrier for co-delivery of adriamycin and plasmid into osteosarcoma cells. <i>International Journal of Biological Macromolecules</i> , <b>2011</b> , 49, 173-80	7.9	38
269	Enhancement of VEGF-Mediated Angiogenesis by 2-N,6-O-Sulfated Chitosan-Coated Hierarchical PLGA Scaffolds. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 9982-90	9.5	37
268	High expression of ezrin predicts poor prognosis in uterine cervical cancer. <i>BMC Cancer</i> , <b>2013</b> , 13, 520	4.8	37
267	MBG-Modified TCP Scaffold Promotes Mesenchymal Stem Cells Adhesion and Osteogenic Differentiation via a FAK/MAPK Signaling Pathway. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 30283-30296	9.5	37
266	Studies on Molecular Composites of Polyamide 6/Polyamide 66. <i>Macromolecular Rapid Communications</i> , <b>2004</b> , 25, 1714-1718	4.8	37
265	Insulin-Producing Cells Differentiated from Human Bone Marrow Mesenchymal Stem Cells In Vitro Ameliorate Streptozotocin-Induced Diabetic Hyperglycemia. <i>PLoS ONE</i> , <b>2016</b> , 11, e0145838	3.7	37
264	Biomaterial stiffness determines stem cell fate. <i>Life Sciences</i> , <b>2017</b> , 178, 42-48	6.8	36

263	Nampt Expression Decreases Age-Related Senescence in Rat Bone Marrow Mesenchymal Stem Cells by Targeting Sirt1. <i>PLoS ONE</i> , <b>2017</b> , 12, e0170930	3.7	36
262	Large-scale expansion of Wharton'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. <i>Stem Cell Research and Therapy</i> , <b>2015</b> , 6, 38	8.3	36
261	Plant distribution at the mobile dune scale and its relevance to soil properties and topographic features. <i>Environmental Geology</i> , <b>2008</b> , 54, 1111-1120		36
260	Multistimulative Nanogels with Enhanced Thermosensitivity for Intracellular Therapeutic Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 39143-39151	9.5	35
259	Redox-Channeling Polydopamine-Ferrocene (PDA-Fc) Coating To Confer Context-Dependent and Photothermal Antimicrobial Activities. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 8915-8928	9.5	35
258	Correlation of particle properties with cytotoxicity and cellular uptake of hydroxyapatite nanoparticles in human gastric cancer cells. <i>Materials Science and Engineering C</i> , <b>2016</b> , 67, 453-460	8.3	35
257	The physicochemical properties of the solidification of calcium phosphate cement. <i>Journal of Biomedical Materials Research Part B</i> , <b>2004</b> , 69, 73-8		35
256	A poly(glycerol sebacate)-coated mesoporous bioactive glass scaffold with adjustable mechanical strength, degradation rate, controlled-release and cell behavior for bone tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 131, 1-11	6	34
255	Formation of graphene oxide-hybridized nanogels for combinative anticancer therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2018</b> , 14, 2387-2395	6	34
254	Manipulation of VEGF-induced angiogenesis by 2-N, 6-O-sulfated chitosan. <i>Acta Biomaterialia</i> , <b>2018</b> , 71, 510-521	10.8	33
253	Investigation of Mg-Zn-Y-Nd alloy for potential application of biodegradable esophageal stent material. <i>Bioactive Materials</i> , <b>2020</b> , 5, 1-8	16.7	33
252	Magnesium modification up-regulates the bioactivity of bone morphogenetic protein-2 upon calcium phosphate cement via enhanced BMP receptor recognition and Smad signaling pathway. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 145, 140-151	6	33
251	Nanostructured hydroxyapatite surfaces-mediated adsorption alters recognition of BMP receptor IA and bioactivity of bone morphogenetic protein-2. <i>Acta Biomaterialia</i> , <b>2015</b> , 27, 275-285	10.8	32
250	A viscoelastic PEGylated poly(glycerol sebacate)-based bilayer scaffold for cartilage regeneration in full-thickness osteochondral defect. <i>Biomaterials</i> , <b>2020</b> , 253, 120095	15.6	31
249	Strontium attenuates rhBMP-2-induced osteogenic differentiation via formation of Sr-rhBMP-2 complex and suppression of Smad-dependent signaling pathway. <i>Acta Biomaterialia</i> , <b>2016</b> , 33, 290-300	10.8	30
248	Stimulative nanogels with enhanced thermosensitivity for therapeutic delivery via Eyclodextrin-induced formation of inclusion complexes. <i>Carbohydrate Polymers</i> , <b>2017</b> , 166, 219-227	10.3	29
247	Constructing biodegradable nanochitin-contained chitosan hydrogel beads for fast and efficient removal of Cu(II) from aqueous solution. <i>Carbohydrate Polymers</i> , <b>2019</b> , 211, 152-160	10.3	29
246	Programmable Electrofabrication of Porous Janus Films with Tunable Janus Balance for Anisotropic Cell Guidance and Tissue Regeneration. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1900065	15.6	29

245	Facilitated receptor-recognition and enhanced bioactivity of bone morphogenetic protein-2 on magnesium-substituted hydroxyapatite surface. <i>Scientific Reports</i> , <b>2016</b> , 6, 24323	4.9	29
244	Enhancement and orchestration of osteogenesis and angiogenesis by a dual-modular design of growth factors delivery scaffolds and 26SCS decoration. <i>Biomaterials</i> , <b>2020</b> , 232, 119645	15.6	29
243	Deficiency of IL-12p35 improves cardiac repair after myocardial infarction by promoting angiogenesis. <i>Cardiovascular Research</i> , <b>2016</b> , 109, 249-59	9.9	28
242	Synthesis of mesoporous hydroxyapatite nanoparticles using a template-free sonochemistry-assisted microwave method. <i>Journal of Materials Science</i> , <b>2013</b> , 48, 5334-5341	4.3	28
241	Fabrication of Bioactive Scaffold of Poly( $\epsilon$ -Caprolactone) and Nanofiber Wollastonite Composite. <i>Journal of the American Ceramic Society</i> , <b>2009</b> , 92, 1017-1023	3.8	28
240	Organ-on-a-chip platforms for accelerating the evaluation of nanomedicine. <i>Bioactive Materials</i> , <b>2021</b> , 6, 1012-1027	16.7	28
239	Decellularized extracellular matrix scaffolds: Recent trends and emerging strategies in tissue engineering.. <i>Bioactive Materials</i> , <b>2022</b> , 10, 15-31	16.7	28
238	2-N, 6-O-sulfated chitosan-assisted BMP-2 immobilization of PCL scaffolds for enhanced osteoinduction. <i>Materials Science and Engineering C</i> , <b>2017</b> , 74, 298-306	8.3	27
237	Enhanced osteogenesis of bone morphology protein-2 in 2-N,6-O-sulfated chitosan immobilized PLGA scaffolds. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 122, 359-367	6	27
236	Molecular dynamics simulations of adsorption and desorption of bone morphogenetic protein-2 on textured hydroxyapatite surfaces. <i>Acta Biomaterialia</i> , <b>2018</b> , 80, 121-130	10.8	27
235	Surface Topography Regulates Osteogenic Differentiation of MSCs via Crosstalk between FAK/MAPK and ILK/ $\beta$ Catenin Pathways in a Hierarchically Porous Environment. <i>ACS Biomaterials Science and Engineering</i> , <b>2017</b> , 3, 3161-3175	5.5	26
234	Formation of enzymatic/redox-switching nanogates on mesoporous silica nanoparticles for anticancer drug delivery. <i>Materials Science and Engineering C</i> , <b>2019</b> , 100, 855-861	8.3	26
233	Enhancement of BMP-2-mediated angiogenesis and osteogenesis by 2-N,6-O-sulfated chitosan in bone regeneration. <i>Biomaterials Science</i> , <b>2018</b> , 6, 431-439	7.4	26
232	Preparation and characterization of chitosan/PEG/gelatin composites for tissue engineering. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 114, 1220-1225	2.9	26
231	Sulfated chitosan rescues dysfunctional macrophages and accelerates wound healing in diabetic mice. <i>Acta Biomaterialia</i> , <b>2020</b> , 117, 192-203	10.8	26
230	Localization and promotion of recombinant human bone morphogenetic protein-2 bioactivity on extracellular matrix mimetic chondroitin sulfate-functionalized calcium phosphate cement scaffolds. <i>Acta Biomaterialia</i> , <b>2018</b> , 71, 184-199	10.8	25
229	Quaternary Ammonium Groups Modified Starch Microspheres for Instant Hemorrhage Control. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 159, 937-944	6	25
228	Nicotinamide phosphoribosyltransferase postpones rat bone marrow mesenchymal stem cell senescence by mediating NAD-Sirt1 signaling. <i>Aging</i> , <b>2019</b> , 11, 3505-3522	5.6	25

227	Electrobiofabrication: electrically based fabrication with biologically derived materials. <i>Biofabrication</i> , <b>2019</b> , 11, 032002	10.5	25
226	Multicellularity-interweaved bone regeneration of BMP-2-loaded scaffold with orchestrated kinetics of resorption and osteogenesis. <i>Biomaterials</i> , <b>2019</b> , 216, 119216	15.6	24
225	Triple cell-responsive nanogels for delivery of drug into cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 163, 362-368	6	24
224	Urethane-based low-temperature curing, highly-customized and multifunctional poly(glycerol sebacate)-co-poly(ethylene glycol) copolymers. <i>Acta Biomaterialia</i> , <b>2018</b> , 71, 279-292	10.8	24
223	Flexible Bicolorimetric Polyacrylamide/Chitosan Hydrogels for Smart Real-Time Monitoring and Promotion of Wound Healing. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2102599	15.6	24
222	Radical Scavenging Activities of Biomimetic Catechol-Chitosan Films. <i>Biomacromolecules</i> , <b>2018</b> , 19, 3502-3514	6.5	24
221	Interleukin-3 stimulates matrix metalloproteinase 12 production from macrophages promoting thoracic aortic aneurysm/dissection. <i>Clinical Science</i> , <b>2018</b> , 132, 655-668	6.5	23
220	Time-Phase Sequential Utilization of Adipose-Derived Mesenchymal Stem Cells on Mesoporous Bioactive Glass for Restoration of Critical Size Bone Defects. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 28340-28350	9.5	23
219	Effects of polyphenylene oxide content on morphology, thermal, and mechanical properties of polyphenylene oxide/polyamide 6 blends. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 99, 2076-2081	2.9	23
218	Altered expression profiles of microRNAs upon arsenic exposure of human umbilical vein endothelial cells. <i>Environmental Toxicology and Pharmacology</i> , <b>2012</b> , 34, 381-387	5.8	22
217	Sox9 gene transfer enhanced regenerative effect of bone marrow mesenchymal stem cells on the degenerated intervertebral disc in a rabbit model. <i>PLoS ONE</i> , <b>2014</b> , 9, e93570	3.7	22
216	OCT4 maintains self-renewal and reverses senescence in human hair follicle mesenchymal stem cells through the downregulation of p21 by DNA methyltransferases. <i>Stem Cell Research and Therapy</i> , <b>2019</b> , 10, 28	8.3	22
215	Nano-needle strontium-substituted apatite coating enhances osteoporotic osseointegration through promoting osteogenesis and inhibiting osteoclastogenesis. <i>Bioactive Materials</i> , <b>2021</b> , 6, 905-915	16.7	22
214	Calcium ion-induced formation of $\beta$ -sheet/-turn structure leading to alteration of osteogenic activity of bone morphogenetic protein-2. <i>Scientific Reports</i> , <b>2015</b> , 5, 12694	4.9	21
213	Nanoparticles vs. nanofibers: a comparison of two drug delivery systems on assessing drug release performance in vitro. <i>Designed Monomers and Polymers</i> , <b>2015</b> , 18, 678-689	3.1	21
212	Celastrol induces apoptosis in hepatocellular carcinoma cells via targeting ER-stress/UPR. <i>Oncotarget</i> , <b>2017</b> , 8, 93039-93050	3.3	21
211	p62 participates in the inhibition of NF- $\kappa$ B signaling and apoptosis induced by sulfasalazine in human glioma U251 cells. <i>Oncology Reports</i> , <b>2015</b> , 34, 235-43	3.5	21
210	Electrofabrication of functional materials: Chloramine-based antimicrobial film for infectious wound treatment. <i>Acta Biomaterialia</i> , <b>2018</b> , 73, 190-203	10.8	20



209	Kaolin-reinforced 3D MBG scaffolds with hierarchical architecture and robust mechanical strength for bone tissue engineering. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 3782-3790	7.3	20
208	Controllable Synthesis of Biomimetic Hydroxyapatite Nanorods with High Osteogenic Bioactivity. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 320-328	5.5	20
207	Sulfated polysaccharide directs therapeutic angiogenesis via endogenous VEGF secretion of macrophages. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	20
206	Laser cladding FeCrCoNiTiAl high entropy alloy coatings reinforced with self-generated TiC particles. <i>Journal of Laser Applications</i> , <b>2017</b> , 29, 012004	2.1	19
205	Mesoporous bioactive glass combined with graphene oxide scaffolds for bone repair. <i>International Journal of Biological Sciences</i> , <b>2019</b> , 15, 2156-2169	11.2	19
204	Quantitative proteomic study of human prostate cancer cells with different metastatic potentials. <i>International Journal of Oncology</i> , <b>2016</b> , 48, 1437-46	4.4	19
203	Cytotoxicity and Cellular Uptake of Amorphous Silica Nanoparticles in Human Cancer Cells. <i>Particle and Particle Systems Characterization</i> , <b>2015</b> , 32, 779-787	3.1	19
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