

Qingling Feng

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

166 papers	6,100 citations	42 h-index	68 g-index
170 ext. papers	6,808 ext. citations	5.4 avg, IF	5.84 L-index

#	Paper	IF	Citations
166	Synergistic Effect of Surface Chemistry and Surface Topography Gradient on Osteogenic/Adipogenic Differentiation of hMSCs. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 30306-30316	8.5	16
165	A novel dual microsphere based on water-soluble thiolated chitosan/mesoporous calcium carbonate for controlled dual drug delivery. <i>Materials Letters</i> , 2021 , 285, 129142	3.3	4
164	Silver nanoparticles stimulate osteogenesis of human mesenchymal stem cells through activation of autophagy. <i>Nanomedicine</i> , 2020 , 15, 337-353	5.6	16
163	Comparing the regeneration potential between PLLA/Aragonite and PLLA/Vaterite pearl composite scaffolds in rabbit radius segmental bone defects. <i>Bioactive Materials</i> , 2020 , 5, 980-989	16.7	14
162	Noninvasive Continuous Monitoring of Adipocyte Differentiation: From Macro to Micro Scales. <i>Microscopy and Microanalysis</i> , 2019 , 25, 119-128	0.5	5
161	Effect of in vitro collagen fibrillogenesis on Langmuir-Blodgett (LB) deposition for cellular behavior regulation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 179, 48-55	6	4
160	3D Printing of Conductive Tissue Engineering Scaffolds Containing Polypyrrole Nanoparticles with Different Morphologies and Concentrations. <i>Materials</i> , 2019 , 12,	3.5	25
159	Micro/nanostructured TiO/ZnO coating enhances osteogenic activity of SaOS-2 cells. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019 , 47, 2838-2845	6.1	11
158	The co-effect of surface topography gradient fabricated via immobilization of gold nanoparticles and surface chemistry via deposition of plasma polymerized film of allylamine/acrylic acid on osteoblast-like cell behavior. <i>Applied Surface Science</i> , 2019 , 473, 838-847	6.7	9
157	Dose-dependent enhancement of bioactivity by surface ZnO nanostructures on acid-etched pure titanium. <i>Advances in Applied Ceramics</i> , 2019 , 118, 121-125	2.3	2
156	The development of Cu-incorporated micro/nano-topographical bio-ceramic coatings for enhanced osteoblast response. <i>Applied Surface Science</i> , 2019 , 465, 575-583	6.7	16
155	Novel micro/nanostructured TiO ₂ /ZnO coating with antibacterial capacity and cytocompatibility. <i>Ceramics International</i> , 2018 , 44, 9711-9719	5.1	44
154	The effect of hydroxyapatite nanoparticles on adipogenic differentiation of human mesenchymal stem cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 1822-1831	5.4	6
153	The immunomodulatory effects of Zn-incorporated micro/nanostructured coating in inducing osteogenesis. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 1123-1130	6.1	17
152	Effects of the hierarchical macro/mesoporous structure on the osteoblast-like cell response. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 1896-1902	5.4	12
151	Effects of titanium surface roughness on the mediation of osteogenesis via modulating the immune response of macrophages. <i>Biomedical Materials (Bristol)</i> , 2018 , 13, 045013	3.5	27
150	Enhanced SaOS-2 cell adhesion, proliferation and differentiation on Mg-incorporated micro/nano-topographical TiO ₂ coatings. <i>Applied Surface Science</i> , 2018 , 447, 767-776	6.7	23

149	A cyclo-trimer of acetonitrile combining fluorescent property with ability to induce osteogenesis and its potential as multifunctional biomaterial. <i>Acta Biomaterialia</i> , 2018 , 65, 163-173	10.8	2
148	The Cu-containing TiO coatings with modulatory effects on macrophage polarization and bactericidal capacity prepared by micro-arc oxidation on titanium substrates. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 170, 242-250	6	36
147	Amorphous, Smart, and Bioinspired Polyphosphate Nano/Microparticles: A Biomaterial for Regeneration and Repair of Osteo-Articular Impairments In-Situ. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	15
146	Reduced inflammatory response by incorporating magnesium into porous TiO coating on titanium substrate. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 171, 276-284	6	25
145	In Vitro Uptake of Hydroxyapatite Nanoparticles and Their Effect on Osteogenic Differentiation of Human Mesenchymal Stem Cells. <i>Stem Cells International</i> , 2018 , 2018, 2036176	5	37
144	The osteogenic, inflammatory and osteo-immunomodulatory performances of biomedical Ti-Ta metal-metal composite with Ca- and Si-containing bioceramic coatings. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 169, 49-59	6	17
143	Incorporation of silica nanoparticles to PLGA electrospun fibers for osteogenic differentiation of human osteoblast-like cells. <i>International Journal of Energy Production and Management</i> , 2018 , 5, 229-238	5.3	24
142	ZnO nanostructures enhance the osteogenic capacity of SaOS-2 cells on acid-etched pure Ti. <i>Materials Letters</i> , 2018 , 215, 173-175	3.3	2
141	Inorganic polyphosphate induces accelerated tube formation of HUVEC endothelial cells. <i>Cellular and Molecular Life Sciences</i> , 2018 , 75, 21-32	10.3	28
140	Silica-gentamicin nanohybrids: combating antibiotic resistance, bacterial biofilms, and in vivo toxicity. <i>International Journal of Nanomedicine</i> , 2018 , 13, 7939-7957	7.3	17
139	Hydroxyapatite/collagen coating on PLGA electrospun fibers for osteogenic differentiation of bone marrow mesenchymal stem cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 2863-2870	5.4	29
138	Calcium carbonate nanoparticles promote osteogenesis compared to adipogenesis in human bone-marrow mesenchymal stem cells. <i>Progress in Natural Science: Materials International</i> , 2018 , 28, 598-608	3.6	12
137	Effects of silica-gentamicin nanohybrids on osteogenic differentiation of human osteoblast-like SaOS-2 cells. <i>International Journal of Nanomedicine</i> , 2018 , 13, 877-893	7.3	16
136	A dual-layer macro/mesoporous structured TiO surface improves the initial adhesion of osteoblast-like cells. <i>Materials Science and Engineering C</i> , 2017 , 78, 443-451	8.3	13
135	Bifunctional dentifrice: Amorphous polyphosphate a regeneratively active sealant with potent anti-Streptococcus mutans activity. <i>Dental Materials</i> , 2017 , 33, 753-764	5.7	8
134	Fabrication of amorphous strontium polyphosphate microparticles that induce mineralization of bone cells in vitro and in vivo. <i>Acta Biomaterialia</i> , 2017 , 50, 89-101	10.8	25
133	Calcium concentration dependent collagen mineralization. <i>Materials Science and Engineering C</i> , 2017 , 73, 137-143	8.3	29
132	Uptake of polyphosphate microparticles in vitro (SaOS-2 and HUVEC cells) followed by an increase of the intracellular ATP pool size. <i>PLoS ONE</i> , 2017 , 12, e0188977	3.7	19

131	The negative effect of silica nanoparticles on adipogenic differentiation of human mesenchymal stem cells. <i>Materials Science and Engineering C</i> , 2017 , 81, 341-348	8.3	22
130	Polyphosphate as a donor of high-energy phosphate for the synthesis of ADP and ATP. <i>Journal of Cell Science</i> , 2017 , 130, 2747-2756	5.3	60
129	Preparation and in vitro study of hydrochloric norvancomycin encapsulated poly (d,l-lactide-co-glycolide, PLGA) microspheres for potential use in osteomyelitis. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017 , 45, 1326-1330	6.1	9
128	Chitosan/nHAC/PLGA microsphere vehicle for sustained release of rhBMP-2 and its derived synthetic oligopeptide for bone regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 1593-1606	5.4	16
127	Zero-order controlled release of BMP2-derived peptide P24 from the chitosan scaffold by chemical grafting modification technique for promotion of osteogenesis vitro and enhancement of bone repair. <i>Theranostics</i> , 2017 , 7, 1072-1087	12.1	34
126	Rebalancing β -Amyloid-Induced Decrease of ATP Level by Amorphous Nano/Micro Polyphosphate: Suppression of the Neurotoxic Effect of Amyloid β -Protein Fragment 25-35. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	18
125	A Novel Biomimetic Approach to Repair Enamel Cracks/Carious Damages and to Reseal Dentinal Tubules by Amorphous Polyphosphate. <i>Polymers</i> , 2017 , 9,	4.5	7
124	Restoration of Impaired Metabolic Energy Balance (ATP Pool) and Tube Formation Potential of Endothelial Cells under "high glucose", Diabetic Conditions by the Bioinorganic Polymer Polyphosphate. <i>Polymers</i> , 2017 , 9,	4.5	10
123	The stimulatory effect of silica nanoparticles on osteogenic differentiation of human mesenchymal stem cells. <i>Biomedical Materials (Bristol)</i> , 2016 , 12, 015001	3.5	44
122	Silver nanoparticles: in vivo toxicity in zebrafish embryos and a comparison to silver nitrate. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	13
121	In vitro BMP-2 peptide release from thiolated chitosan based hydrogel. <i>International Journal of Biological Macromolecules</i> , 2016 , 93, 314-321	7.9	29
120	Microstructure and inclusion of Ti β Al β V fabricated by selective laser melting. <i>Frontiers of Materials Science</i> , 2016 , 10, 428-431	2.5	11
119	Current investigations into magnetic nanoparticles for biomedical applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 1285-96	5.4	189
118	A novel method to in vitro evaluate biocompatibility of nanoscaled scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 2117-25	5.4	9
117	In Vitro Effect of 30 nm Silver Nanoparticles on Adipogenic Differentiation of Human Mesenchymal Stem Cells. <i>Journal of Biomedical Nanotechnology</i> , 2016 , 12, 525-35	4	26
116	Silver nanoparticle based coatings enhance adipogenesis compared to osteogenesis in human mesenchymal stem cells through oxidative stress. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 1466-1479	7.3	35
115	In Vitro Uptake of Silver Nanoparticles and Their Toxicity in Human Mesenchymal Stem Cells Derived from Bone Marrow. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 219-28	1.3	29
114	Preparation and characterization of TiO $_2$ /silicate hierarchical coating on titanium surface for biomedical applications. <i>Materials Science and Engineering C</i> , 2016 , 60, 308-316	8.3	28

113	Amorphous polyphosphate/amorphous calcium carbonate implant material with enhanced bone healing efficacy in a critical-size defect in rats. <i>Biomedical Materials (Bristol)</i> , 2016 , 11, 035005	3.5	28
112	Effects of hierarchical micro/nano-topographies on the morphology, proliferation and differentiation of osteoblast-like cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 145, 37-45	6	100
111	SaOS-2 cell response to macro-porous boron-incorporated TiO ₂ coating prepared by micro-arc oxidation on titanium. <i>Materials Science and Engineering C</i> , 2016 , 67, 195-204	8.3	16
110	A biomimetic approach to ameliorate dental hypersensitivity by amorphous polyphosphate microparticles. <i>Dental Materials</i> , 2016 , 32, 775-83	5.7	7
109	A facile way to prepare mesoporous spherical calcites controlled by chondroitin sulfate for shape and carboxymethyl chitosan for size. <i>CrystEngComm</i> , 2016 , 18, 8582-8586	3.3	5
108	A novel titania/calcium silicate hydrate hierarchical coating on titanium. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 134, 169-77	6	34
107	In vitro 30 nm silver nanoparticles promote chondrogenesis of human mesenchymal stem cells. <i>RSC Advances</i> , 2015 , 5, 49809-49818	3.7	11
106	Amorphous Ca ²⁺ polyphosphate nanoparticles regulate the ATP level in bone-like SaOS-2 cells. <i>Journal of Cell Science</i> , 2015 , 128, 2202-7	5.3	63
105	Incorporation of strontium into hydroxyapatite via biomineralization of collagen fibrils. <i>Ceramics International</i> , 2015 , 41, 8773-8778	5.1	13
104	A Multidisciplined Teaching Reform of Biomaterials Course for Undergraduate Students. <i>Journal of Science Education and Technology</i> , 2015 , 24, 735-746	2.8	1
103	Surface Chemical Gradient Affects the Differentiation of Human Adipose-Derived Stem Cells via ERK1/2 Signaling Pathway. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 18473-82	9.5	41
102	A crucial process: organic matrix and magnesium ion control of amorphous calcium carbonate crystallization on β -chitin film. <i>CrystEngComm</i> , 2015 , 17, 32-39	3.3	14
101	Development of a morphogenetically active scaffold for three-dimensional growth of bone cells: biosilica-alginate hydrogel for SaOS-2 cell cultivation. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015 , 9, E39-50	4.4	19
100	Specific heat treatment of selective laser melted Ti ₆ Al ₄ V for biomedical applications. <i>Frontiers of Materials Science</i> , 2015 , 9, 373-381	2.5	51
99	Nonenzymatic Transformation of Amorphous CaCO ₃ into Calcium Phosphate Mineral after Exposure to Sodium Phosphate in Vitro: Implications for in Vivo Hydroxyapatite Bone Formation. <i>ChemBioChem</i> , 2015 , 16, 1323-32	3.8	30
98	The Preparation and In Vitro Evaluations of a Nanoscaled Injectable Bone Repair Material. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-8	3.2	
97	Comparative synthesis and antimicrobial action of silver nanoparticles and silver nitrate. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	42
96	Enhanced hydrophilicity and in vitro bioactivity of porous TiO ₂ film through the incorporation of boron. <i>Ceramics International</i> , 2015 , 41, 4452-4459	5.1	14

95	A novel thermo-sensitive hydrogel based on thiolated chitosan/hydroxyapatite/beta-glycerophosphate. <i>Carbohydrate Polymers</i> , 2014 , 110, 62-9	10.3	69
94	Modulation of the initial mineralization process of SaOS-2 cells by carbonic anhydrase activators and polyphosphate. <i>Calcified Tissue International</i> , 2014 , 94, 495-509	3.9	43
93	Primary Cell Culture of Fresh Water Hyriopsis cumingii Mantle/Pearl Sac Tissues and Its Effect on Calcium Carbonate Mineralization. <i>Crystal Growth and Design</i> , 2014 , 14, 1149-1157	3.5	6
92	Hierarchical structure and cytocompatibility of fish scales from <i>Carassius auratus</i> . <i>Materials Science and Engineering C</i> , 2014 , 43, 145-52	8.3	28
91	Engineering a morphogenetically active hydrogel for bioprinting of bioartificial tissue derived from human osteoblast-like SaOS-2 cells. <i>Biomaterials</i> , 2014 , 35, 8810-8819	15.6	130
90	Surface modification by allylamine plasma polymerization promotes osteogenic differentiation of human adipose-derived stem cells. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 9733-41	9.5	76
89	Isoquercitrin and polyphosphate co-enhance mineralization of human osteoblast-like SaOS-2 cells via separate activation of two RUNX2 cofactors AFT6 and Ets1. <i>Biochemical Pharmacology</i> , 2014 , 89, 413-21	6	30
88	Biocomposites reinforced by fibers or tubes as scaffolds for tissue engineering or regenerative medicine. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 1580-94	5.4	97
87	Effect of bioglass on growth and biomineralization of SaOS-2 cells in hydrogel after 3D cell bioprinting. <i>PLoS ONE</i> , 2014 , 9, e112497	3.7	64
86	The Experimental Study on Promoting the Ilizarov Distraction Osteogenesis by the Injection of Liquid Alg/nHAC Biocomposites. <i>International Journal of Polymer Science</i> , 2014 , 2014, 1-9	2.4	1
85	3D-Printed Biopolymers for Tissue Engineering Application. <i>International Journal of Polymer Science</i> , 2014 , 2014, 1-13	2.4	71
84	Resin composites reinforced by nanoscaled fibers or tubes for dental regeneration. <i>BioMed Research International</i> , 2014 , 2014, 542958	3	22
83	Influence of silver nanoparticles on osteogenic differentiation of human mesenchymal stem cells. <i>Journal of Biomedical Nanotechnology</i> , 2014 , 10, 1277-85	4	36
82	Effects of hydroxyapatite/collagen composite on osteogenic differentiation of rat bone marrow derived mesenchymal stem cells. <i>Journal of Composite Materials</i> , 2014 , 48, 1971-1980	2.7	14
81	Improved mechanical properties of hydroxyapatite whisker-reinforced poly(L-lactic acid) scaffold by surface modification of hydroxyapatite. <i>Materials Science and Engineering C</i> , 2014 , 35, 190-4	8.3	40
80	A novel growth process of calcium carbonate crystals in silk fibroin hydrogel system. <i>Materials Science and Engineering C</i> , 2013 , 33, 2413-20	8.3	27
79	What is the difference in organic matrix of aragonite vs. vaterite polymorph in natural shell and pearl? Study of the pearl-forming freshwater bivalve mollusc <i>Hyriopsis cumingii</i> . <i>Materials Science and Engineering C</i> , 2013 , 33, 1521-9	8.3	11
78	An approach to a biomimetic bone scaffold: increased expression of BMP-2 and of osteoprotegerin in SaOS-2 cells grown onto silica-biologized 3D printed scaffolds. <i>RSC Advances</i> , 2013 , 3, 11140-11147	3.7	11

77	The co-effect of organic matrix from carp otolith and microenvironment on calcium carbonate mineralization. <i>Materials Science and Engineering C</i> , 2013 , 33, 3440-9	8.3	10
76	Surface chemical functionalities affect the behavior of human adipose-derived stem cells in vitro. <i>Applied Surface Science</i> , 2013 , 270, 473-479	6.7	29
75	Nanostructured scaffolds for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2013 , 101, 2424-35	5.4	242
74	Emulsion Self-Assembly Synthesis of Chitosan/Poly(lactic-co-glycolic acid) Stimuli-Responsive Amphiphiles. <i>Macromolecular Chemistry and Physics</i> , 2013 , 214, 700-706	2.6	10
73	Alginate/silica composite hydrogel as a potential morphogenetically active scaffold for three-dimensional tissue engineering. <i>RSC Advances</i> , 2013 , 3, 11185	3.7	44
72	In-situ grown hydroxyapatite whiskers reinforced porous HA bioceramic. <i>Ceramics International</i> , 2013 , 39, 8847-8852	5.1	24
71	The Use of Nanoscaled Fibers or Tubes to Improve Biocompatibility and Bioactivity of Biomedical Materials. <i>Journal of Nanomaterials</i> , 2013 , 2013, 1-16	3.2	22
70	Vascularized bone tissue formation induced by fiber-reinforced scaffolds cultured with osteoblasts and endothelial cells. <i>BioMed Research International</i> , 2013 , 2013, 854917	3	14
69	Combined Effects of Mechanical Strain and Hydroxyapatite/Collagen Composite on Osteogenic Differentiation of Rat Bone Marrow Derived Mesenchymal Stem Cells. <i>Journal of Nanomaterials</i> , 2013 , 2013, 1-7	3.2	7
68	3D scaffold of PLLA/pearl and PLLA/nacre powder for bone regeneration. <i>Biomedical Materials (Bristol)</i> , 2013 , 8, 065001	3.5	16
67	The deep-sea natural products, biogenic polyphosphate (Bio-PolyP) and biogenic silica (Bio-Silica), as biomimetic scaffolds for bone tissue engineering: fabrication of a morphogenetically-active polymer. <i>Marine Drugs</i> , 2013 , 11, 718-46	6	32
66	Effect of stabilizers on bioactivity of peptide-24 in PLGA microspheres. <i>Medicinal Chemistry</i> , 2013 , 9, 1123-8	1.8	3
65	The use of carbon nanotubes to induce osteogenic differentiation of human adipose-derived MSCs in vitro and ectopic bone formation in vivo. <i>Biomaterials</i> , 2012 , 33, 4818-27	15.6	222
64	Biocompatibility and Toxicity of Nanoparticles and Nanotubes. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-19	3.2	89
63	In-vitro study on calcium carbonate crystal growth mediated by organic matrix extracted from fresh water pearls. <i>Materials Science and Engineering C</i> , 2012 , 32, 1963-1970	8.3	24
62	Origin of growth defects in pearl. <i>Materials Characterization</i> , 2012 , 72, 94-103	3.9	14
61	Homogeneous chitosan/poly(L-lactide) composite scaffolds prepared by emulsion freeze-drying. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012 , 23, 391-404	3.5	21
60	Repair of rat calvarial bone defects by controlled release of rhBMP-2 from an injectable bone regeneration composite. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2012 , 6, 614-21	4.4	17

59	Thermo-sensitive alginate-based injectable hydrogel for tissue engineering. <i>Carbohydrate Polymers</i> , 2012 , 87, 1515-1521	10.3	100
58	Noninvasive Evaluation of Injectable Chitosan/Nano-Hydroxyapatite/Collagen Scaffold via Ultrasound. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-7	3.2	6
57	Modification of an Injectable Chitosan Scaffold by Blending with NaHCO ₃ to Improve Cytocompatibility. <i>Polymers and Polymer Composites</i> , 2011 , 19, 781-788	0.8	6
56	Influence of mineralized collagen fibrils on the thermo-sensitivity of an injectable scaffold for bone regeneration. <i>International Journal of Materials Research</i> , 2011 , 102, 1384-1390	0.5	1
55	Repair of bone defect in femoral condyle using microencapsulated chitosan, nanohydroxyapatite/collagen and poly(L-lactide)-based microsphere-scaffold delivery system. <i>Artificial Organs</i> , 2011 , 35, E119-28	2.6	40
54	Characterization of organic matrix extracted from fresh water pearls. <i>Materials Science and Engineering C</i> , 2011 , 31, 1338-1342	8.3	25
53	Osteogenic differentiation of human adipose-derived stem cells induced by osteoinductive calcium phosphate ceramics. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2011 , 97, 10-9	3.5	82
52	Structure and biocompatibility of an injectable bone regeneration composite. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011 , 22, 1861-79	3.5	11
51	In situ-forming chitosan/nano-hydroxyapatite/collagen gel for the delivery of bone marrow mesenchymal stem cells. <i>Carbohydrate Polymers</i> , 2011 , 85, 261-267	10.3	40
50	Effects of additives and templates on calcium carbonate mineralization in vitro. <i>Micron</i> , 2011 , 42, 228-452.	3	61
49	Biomimetic properties of an injectable chitosan/nano-hydroxyapatite/collagen composite. <i>Materials Science and Engineering C</i> , 2011 , 31, 683-687	8.3	61
48	Alginate hydrogel-mediated crystallization of calcium carbonate. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 1008-1015	3.3	33
47	Hierarchical structure of asteriscus and in vitro mineralization on asteriscus substrate. <i>Journal of Crystal Growth</i> , 2011 , 325, 46-51	1.6	6
46	A dual microsphere based on PLGA and chitosan for delivering the oligopeptide derived from BMP-2. <i>Polymer Degradation and Stability</i> , 2011 , 96, 107-113	4.7	18
45	Principles of calcium-based biomineralization. <i>Progress in Molecular and Subcellular Biology</i> , 2011 , 52, 141-97	3	10
44	Effects of functional groups and soluble matrices in fish otolith on calcium carbonate mineralization. <i>Biomedical Materials (Bristol)</i> , 2010 , 5, 055009	3.5	10
43	Repairing goat tibia segmental bone defect using scaffold cultured with mesenchymal stem cells. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010 , 94, 44-52	3.5	31
42	A spheres-in-sphere structure for improving protein-loading poly (lactide-co-glycolide) microspheres. <i>Polymer Degradation and Stability</i> , 2010 , 95, 6-13	4.7	27

41	In vitro and in vivo degradation of an injectable bone repair composite. <i>Polymer Degradation and Stability</i> , 2010 , 95, 1736-1742	4.7	26
40	Silk fibroin/chitosan/heparin scaffold: preparation, antithrombogenicity and culture with hepatocytes. <i>Polymer International</i> , 2010 , 59, 55-61	3.3	19
39	Recent Patents on Polymeric Scaffolds for Tissue Engineering. <i>Recent Patents on Biomedical Engineering</i> , 2009 , 2, 65-72		2
38	Porous nano-HA/collagen/PLLA scaffold containing chitosan microspheres for controlled delivery of synthetic peptide derived from BMP-2. <i>Journal of Controlled Release</i> , 2009 , 134, 111-7	11.7	240
37	Effect of carbon nanotubes on cellular functions in vitro. <i>Journal of Biomedical Materials Research - Part A</i> , 2009 , 91, 132-9	5.4	120
36	In vitro evaluation of porous poly(L-lactic acid) scaffold reinforced by chitin fibers. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009 , 90, 503-9	3.5	50
35	In vitro degradation and release behavior of porous poly(lactic acid) scaffolds containing chitosan microspheres as a carrier for BMP-2-derived synthetic peptide. <i>Polymer Degradation and Stability</i> , 2009 , 94, 176-182	4.7	74
34	Preparation and characterization of an injectable composite. <i>Journal of Materials Science: Materials in Medicine</i> , 2009 , 20, 1245-53	4.5	42
33	Hierarchical structure of the otolith of adult wild carp. <i>Materials Science and Engineering C</i> , 2009 , 29, 919-924	8.3	8
32	Growth of fibroblast and vascular smooth muscle cells in fibroin/collagen scaffold. <i>Materials Science and Engineering C</i> , 2009 , 29, 2239-2245	8.3	22
31	Preparation and characterization of chitosan microspheres for controlled release of synthetic oligopeptide derived from BMP-2. <i>Journal of Microencapsulation</i> , 2009 , 26, 297-305	3.4	40
30	A bone-like nano-hydroxyapatite/collagen loaded injectable scaffold. <i>Biomedical Materials (Bristol)</i> , 2009 , 4, 055005	3.5	56
29	Self-assembly model, hepatocytes attachment and inflammatory response for silk fibroin/chitosan scaffolds. <i>Biomedical Materials (Bristol)</i> , 2009 , 4, 045014	3.5	25
28	Maturation of osteoblast-like Saos2 induced by carbon nanotubes. <i>Biomedical Materials (Bristol)</i> , 2009 , 4, 015005	3.5	72
27	In Vitro Growth of Nacre-like Tablet Forming: From Amorphous Calcium Carbonate, Nanostacks to Hexagonal Tablets. <i>Crystal Growth and Design</i> , 2008 , 8, 1509-1514	3.5	36
26	Investigation on the mechanism of the osteoinduction for calcium phosphate. <i>Bone</i> , 2008 , 43, S111-S112	4.7	21
25	Repairing 25mm bone defect using fibres reinforced scaffolds as well as autograft bone. <i>Bone</i> , 2008 , 43, S94	4.7	17
24	Alternate deposition of oriented calcite and amino acid layer on calcite substrates. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 13635-40	3.4	14

23	The effect of calcium phosphate microstructure on bone-related cells in vitro. <i>Biomaterials</i> , 2008 , 29, 3306-16	15.6	214
22	Preparation of three-dimensional fibroin/collagen scaffolds in various pH conditions. <i>Journal of Materials Science: Materials in Medicine</i> , 2008 , 19, 629-34	4.5	34
21	Silk fibroin/chitosan scaffold: preparation, characterization, and culture with HepG2 cell. <i>Journal of Materials Science: Materials in Medicine</i> , 2008 , 19, 3545-53	4.5	98
20	Fibroin/collagen hybrid hydrogels with crosslinking method: preparation, properties, and cytocompatibility. <i>Journal of Biomedical Materials Research - Part A</i> , 2008 , 84, 198-207	5.4	74
19	Preparation of insoluble fibroin/collagen films without methanol treatment and the increase of its flexibility and cytocompatibility. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 1577-1584	2.9	17
18	Preparation and in vitro degradation of porous three-dimensional silk fibroin/chitosan scaffold. <i>Polymer Degradation and Stability</i> , 2008 , 93, 1316-1322	4.7	113
17	Preparation and characterization of PLA/fibroin composite and culture of HepG2 (human hepatocellular liver carcinoma cell line) cells. <i>Composites Science and Technology</i> , 2007 , 67, 3023-3030	8.6	33
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15	Collagen-based implants reinforced by chitin fibres in a goat shank bone defect model. <i>Biomaterials</i> , 2006 , 27, 1917-23	15.6	134
14	Morphology and formation mechanism of vaterite particles grown in glycine-containing aqueous solutions. <i>Materials Science and Engineering C</i> , 2006 , 26, 644-647	8.3	32
13	Chemical characteristics and cytocompatibility of collagen-based scaffold reinforced by chitin fibers for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006 , 77, 219-26	3.5	53
12	In vitro degradation of porous nano-hydroxyapatite/collagen/PLLA scaffold reinforced by chitin fibres. <i>Materials Science and Engineering C</i> , 2006 , 26, 716-720	8.3	77
11	The co-effect of collagen and magnesium ions on calcium carbonate biomineralization. <i>Materials Science and Engineering C</i> , 2006 , 26, 648-652	8.3	39
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