Byong-Taek Lee

List of Publications by Year
in descending order

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256 papers	5,830 citations	81900 39 h-index	138484 58 g-index
257 all docs	257 docs citations	257 times ranked	7428 citing authors

#	Article	IF	Citations
1	Physical and in-vitro biological evaluations of plant based nano cellulose loaded injectable bone substitutes. Materials Technology, 2022, 37, 1742-1754.	3.0	2
2	Fabrication of thrombin loaded TEMPO-oxidized cellulose nanofiber-gelatin sponges and their hemostatic behavior in rat liver hemorrhage model. Journal of Biomaterials Science, Polymer Edition, 2022, 33, 499-516.	3.5	9
3	Autologous stromal vascular fraction-loaded hyaluronic acid/gelatin-biphasic calcium phosphate scaffold for bone tissue regeneration. Materials Science and Engineering C, 2022, 132, 112533.	7.3	12
4	Porous <scp>CDHA</scp> microspheres laden brushiteâ€based injectable bone substitutes for improved bone regeneration. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2022, , .	3.4	1
5	Development of a novel polycaprolactone based composite membrane for periodontal regeneration using spin coating technique. Journal of Biomaterials Science, Polymer Edition, 2022, 33, 783-800.	3.5	11
6	Physico-mechanical and biological evaluation of heparin/VEGF-loaded electrospun polycaprolactone/decellularized rat aorta extracellular matrix for small-diameter vascular grafts. Journal of Biomaterials Science, Polymer Edition, 2022, 33, 1664-1684.	3.5	9
7	Tailored alginate/PCL-gelatin-Î²-TCP membrane for guided bone regeneration. Biomedical Materials (Bristol), 2022, 17, 045011.	3.3	6
8	In-vitro and in-vivo biocompatibility of dECM-alginate as a promising candidate in cell delivery for kidney regeneration. International Journal of Biological Macromolecules, 2022, 211, 616-625.	7.5	13
9	Small-diameter decellularized vascular graft with electrospun polycaprolactone. Materials Letters, 2021, 284, 128973.	2.6	11
10	Synthesis and characterization of biphasic calcium phosphate laden thiolated hyaluronic acid hydrogel based scaffold: physical and in-vitro biocompatibility evaluations. Journal of Biomaterials Science, Polymer Edition, 2021, 32, 337-354.	3.5	5
11	Fibroblast cell derived extracellular matrix containing electrospun scaffold as a hybrid biomaterial to promote in vitro endothelial cell expansion and functionalization. Materials Science and Engineering C, 2021, 120, 111659.	7.3	11
12	Boosting osteogenic potential and bone regeneration by co-cultured cell derived extracellular matrix incorporated porous electrospun scaffold. Journal of Biomaterials Science, Polymer Edition, 2021, 32, 779-798.	3.5	7
13	In VivoComparison of Three Human Acellular Dermal Matrices for Breast Reconstruction. In Vivo, 2021, 35, 2719-2728.	1.3	5
14	An Impact of Different Silicone Breast Implants on the Bacterial Attachment and Growth. Journal of Biomaterials and Nanobiotechnology, 2021, 12, 21-33.	0.5	2
15	Physico-mechanical and biological evaluation of an injectable m-TG cross-linked thrombin loaded amended gelatin hemostat to heal liver trauma. International Journal of Biological Macromolecules, 2021, 181, 339-348.	7.5	7
16	Early-stage bone regeneration of hyaluronic acid supplemented with porous 45s5 bioglass-derived granules: an injectable system. Biomedical Materials (Bristol), 2021, 16, 045034.	3.3	4
17	Polycaprolactone-gelatin membrane as a sealant biomaterial efficiently prevents postoperative anastomotic leakage with promoting tissue repair. Journal of Biomaterials Science, Polymer Edition, 2021, 32, 1530-1547.	3.5	9
18	Silicone Implants Immobilized with Interleukin-4 Promote the M2 Polarization of Macrophages and Inhibit the Formation of Fibrous Capsules. Polymers, 2021, 13, 2630.	4.5	6

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19	Functionalization of Silicone Surface with Drugs and Polymers for Regulation of Capsular Contracture. Polymers, 2021, 13, 2731.	4.5	4
20	Multi-functional nanocellulose-chitosan dressing loaded with antibacterial lawsone for rapid hemostasis and cutaneous wound healing. Carbohydrate Polymers, 2021, 272, 118482.	10.2	56
21	In-vitro and in-vivo hemostat evaluation of decellularized liver extra cellular matrix loaded chitosan/gelatin spongy scaffolds for liver injury. International Journal of Biological Macromolecules, 2021, 193, 638-646.	7.5	11
22	Fabrication of injectable bone substitute loading porous simvastatin-loaded poly(lactic-co-glycolic acid) microspheres. International Journal of Polymeric Materials and Polymeric Biomaterials, 2020, 69, 351-362.	3.4	1
23	Collagen and bone morphogenetic proteinâ€2 functionalized hydroxyapatite scaffolds induce osteogenic differentiation in human adiposeâ€derived stem cells. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 1363-1371.	3.4	14
24	A biphasic calcium phosphate ceramic scaffold loaded with oxidized cellulose nanofiberâ€“gelatin hydrogel with immobilized simvastatin drug for osteogenic differentiation. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 1229-1238.	3.4	9
25	Controlled release of Mitomycin C from modified cellulose based thermo-gel prevents post-operative de novo peritoneal adhesion. Carbohydrate Polymers, 2020, 229, 115552.	10.2	26
26	Preliminary studies on the in vivo performance of various kinds of nanocellulose for biomedical applications. Journal of Biomaterials Applications, 2020, 34, 942-951.	2.4	17
27	Curcumin incorporation into an oxidized cellulose nanofiber-polyvinyl alcohol hydrogel system promotes wound healing. Materials and Design, 2020, 186, 108313.	7.0	106
28	Soya protein isolate-polyethylene oxide electrospun nanofiber membrane with bone marrow-derived mesenchymal stem cell for enhanced bone regeneration. Journal of Biomaterials Applications, 2020, 34, 1142-1149.	2.4	6
29	Local support among arctic residents to a land tenure reform in Finnmark, Norway. Land Use Policy, 2020, 91, 104326.	5.6	2
30	Novel TOCNF reinforced injectable alginate / Î²-tricalcium phosphate microspheres for bone regeneration. Materials and Design, 2020, 194, 108892.	7.0	23
31	Functionalization of extracellular matrix (ECM) on multichannel biphasic calcium phosphate (BCP) granules for improved bone regeneration. Materials and Design, 2020, 192, 108653.	7.0	7
32	Mechanically and Electrically Enhanced Polyurethane-poly(3,4-ethylenedioxythiophene) Conductive Foams with Aligned Pore Structures Promote MC3T3-E1 Cell Growth and Proliferation. ACS Applied Polymer Materials, 2020, 2, 1482-1490.	4.4	5
33	In vitro endothelial differentiation evaluation on polycaprolactone-methoxy polyethylene glycol electrospun membrane and fabrication of multilayered small-diameter hybrid vascular graft. Journal of Biomaterials Applications, 2020, 34, 1395-1408.	2.4	14
34	In vitro and in vivo evaluation of Ca/P-hyaluronic acid/gelatin based novel dental plugs for one-step socket preservation. Materials and Design, 2020, 194, 108891.	7.0	27
35	Thermal stimuli-responsive hyaluronic acid loaded cellulose based physical hydrogel for post-surgical de novo peritoneal adhesion prevention. Materials Science and Engineering C, 2020, 110, 110661.	7.3	23
36	Comparative study on biodegradation and biocompatibility of multichannel calcium phosphate based bone substitutes. Materials Science and Engineering C, 2020, 110, 110694.	7.3	22

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37	Evaluation of bone regeneration potential of injectable extracellular matrix (ECM) from porcine dermis loaded with biphasic calcium phosphate (BCP) powder. Materials Science and Engineering C, 2020, 110, 110663.	7.3	25
38	Thermal cycling effect on osteogenic differentiation of MC3T3-E1 cells loaded on 3D-porous Biphasic Calcium Phosphate (BCP) scaffolds for early osteogenesis. Materials Science and Engineering C, 2019, 105, 110027.	7.3	24
39	Preparation and evaluation of BCPâ€CSDâ€agarose composite microsphere for bone tissue engineering. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 2263-2272.	3.4	17
40	Enhanced decellularization technique of porcine dermal ECM for tissue engineering applications. Materials Science and Engineering C, 2019, 104, 109841.	7.3	56
41	In vitro and in vivo evaluation of bioglass microspheres incorporated brushite cement for bone regeneration. Materials Science and Engineering C, 2019, 103, 109775.	7.3	35
42	TEMPO oxidized nano-cellulose containing thermo-responsive injectable hydrogel for post-surgical peritoneal tissue adhesion prevention. Materials Science and Engineering C, 2019, 102, 12-21.	7.3	43
43	Bone regeneration of multichannel biphasic calcium phosphate granules supplemented with hyaluronic acid. Materials Science and Engineering C, 2019, 99, 1058-1066.	7.3	25
44	Enhancement of hemostatic property of plant derived oxidized nanocellulose-silk fibroin based scaffolds by thrombin loading. Carbohydrate Polymers, 2019, 208, 168-179.	10.2	44
45	Investigation of efficiency of a novel, zinc oxide loaded TEMPO-oxidized cellulose nanofiber based hemostat for topical bleeding. International Journal of Biological Macromolecules, 2019, 126, 786-795.	7.5	38
46	Hemostasis and Bone Regeneration Using Chitosan/Gelatin-BCP Bi-layer Composite Material. ASAIO Journal, 2019, 65, 620-627.	1.6	11
47	Incorporation of chitosan-alginate complex into injectable calcium phosphate cement system as a bone graft material. Materials Science and Engineering C, 2019, 94, 385-392.	7.3	50
48	Bone regeneration strategy by different sized multichanneled biphasic calcium phosphate granules: In vivo evaluation in rabbit model. Journal of Biomaterials Applications, 2018, 32, 1406-1420.	2.4	12
49	Multi-channel biphasic calcium phosphate granules as cell carrier capable of supporting osteogenic priming of mesenchymal stem cells. Materials and Design, 2018, 141, 142-149.	7.0	8
50	Fabrication of an electroconductive, flexible, and soft poly(3,4-ethylenedioxythiophene)â€“thermoplastic polyurethane hybrid scaffold by in situ vapor phase polymerization. Journal of Materials Chemistry B, 2018, 6, 4082-4088.	5.8	16
51	Comparative Bone Regeneration Potential Studies of Collagen, Heparin, and Polydopamine-Coated Multichannelled BCP Granules. ASAIO Journal, 2018, 64, 115-121.	1.6	4
52	Functionalization of porous BCP scaffold by generating cellâ€derived extracellular matrix from rat bone marrow stem cells culture for bone tissue engineering. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e1256-e1267.	2.7	32
53	In vitro and in vivo acute response towards injectable thermosensitive chitosan/TEMPO-oxidized cellulose nanofiber hydrogel. Carbohydrate Polymers, 2018, 180, 246-255.	10.2	66
54	Streamlined System for Conducting In Vitro Studies Using Decellularized Kidney Scaffolds. Tissue Engineering - Part C: Methods, 2018, 24, 42-55.	2.1	7

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55	Effects of plateletâ€rich plasma on biological activity and bone regeneration of brushiteâ€based calcium phosphate cement. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 2316-2326.	3.4	7
56	A novel hybrid multichannel biphasic calcium phosphate granule-based composite scaffold for cartilage tissue regeneration. Journal of Biomaterials Applications, 2018, 32, 775-787.	2.4	19
57	Development and properties of duplex MgF2/PCL coatings on biodegradable magnesium alloy for biomedical applications. PLoS ONE, 2018, 13, e0193927.	2.5	25
58	In-vitro and in-vivo evaluation of hemostatic potential of decellularized ECM hydrogels. Materials Letters, 2018, 232, 130-133.	2.6	9
59	Development of fibrous balloon for facilitating the use of calcium phosphate cement in vertebral augmentation procedures. Materials and Design, 2018, 158, 172-183.	7.0	4
60	In vitro and in vivo assessment of biomedical Mgâ€“Ca alloys for bone implant applications. Journal of Applied Biomaterials and Functional Materials, 2018, 16, 126-136.	1.6	47
61	In vivo evaluation of injectable calcium phosphate cement composed of Znâ€•and Siâ€incorporated Î²â€tricalcium phosphate and monocalcium phosphate monohydrate for a critical sized defect of the rabbit femoral condyle. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2017, 105, 260-271.	3.4	24
62	Phosphonate-chitosan functionalization of a multi-channel hydroxyapatite scaffold for interfacial implant-bone tissue integration. Journal of Materials Chemistry B, 2017, 5, 1293-1301.	5.8	17
63	Enzymatic in situ formed hydrogel from gelatinâ€“tyramine and chitosan-4-hydroxylphenyl acetamide for the co-delivery of human adipose-derived stem cells and platelet-derived growth factor towards vascularization. Biomedical Materials (Bristol), 2017, 12, 015026.	3.3	20
64	Bone morphogenetic proteinâ€2 immobilization on porous PCLâ€BCPâ€Col composite scaffolds for bone tissue engineering. Journal of Applied Polymer Science, 2017, 134, 45186.	2.6	18
65	Development of BMP-2 immobilized polydopamine mediated multichannelled biphasic calcium phosphate granules for improved bone regeneration. Materials Letters, 2017, 208, 122-125.	2.6	12
66	Plant-derived oxidized nanofibrillar cellulose-chitosan composite as an absorbable hemostat. Materials Letters, 2017, 197, 150-155.	2.6	28
67	Incorporation of BMP-2 loaded collagen conjugated BCP granules in calcium phosphate cement based injectable bone substitutes for improved bone regeneration. Materials Science and Engineering C, 2017, 77, 713-724.	7.3	39
68	Preparation and characterization of polycaprolactoneâ€“polyethylene glycol methyl ether and polycaprolactoneâ€“chitosan electrospun mats potential for vascular tissue engineering. Journal of Biomaterials Applications, 2017, 32, 648-662.	2.4	36
69	A hybrid composite system of biphasic calcium phosphate granules loaded with hyaluronic acidâ€“gelatin hydrogel for bone regeneration. Journal of Biomaterials Applications, 2017, 32, 433-445.	2.4	39
70	In vitro and in vivo evaluation of effectiveness of a novel TEMPO-oxidized cellulose nanofiber-silk fibroin scaffold in wound healing. Carbohydrate Polymers, 2017, 177, 284-296.	10.2	96
71	In vitro biocompatibility of vapour phase polymerised conductive scaffolds for cell lines. Polymer, 2017, 124, 95-100.	3.8	24
72	Cryptotanshinone promotes commitment to the brown adipocyte lineage and mitochondrial biogenesis in C3H10T1/2 mesenchymal stem cells via AMPK and p38-MAPK signaling. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 1110-1120.	2.4	44

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73	Examination of In vitro and In vivo biocompatibility of alginate-hyaluronic acid microbeads As a promising method in cell delivery for kidney regeneration. International Journal of Biological Macromolecules, 2017, 105, 143-153.	7.5	30
74	Evaluation of egg white ovomucin-based porous scaffold as an implantable biomaterial for tissue engineering. , 2017, 105, 2107-2117.		23
75	Augmenting inÂvitro osteogenesis of a glycineâ€“argininеâ€“glycineâ€“aspartic-conjugated oxidized alginateâ€“gelatinâ€“biphasic calcium phosphate hydrogel composite and inÂvivo bone biogenesis through stem cell delivery. Journal of Biomaterials Applications, 2016, 31, 661-673.	2.4	6
76	Designing of Combined Nano and Microfiber Network by Immobilization of Oxidized Cellulose Nanofiber on Polycaprolactone Fibrous Scaffold. Journal of Biomedical Nanotechnology, 2016, 12, 1864-1875.	1.1	29
77	Collagen-hydroxyapatite coated unprocessed cuttlefish bone as a bone substitute. Materials Letters, 2016, 181, 156-160.	2.6	13
78	Brushite-based calcium phosphate cement with multichannel hydroxyapatite granule loading for improved bone regeneration. Journal of Biomaterials Applications, 2016, 30, 823-837.	2.4	18
79	A Study of BMP-2-Loaded Bipotential Electrolytic Complex around a Biphasic Calcium Phosphate-Derived (BCP) Scaffold for Repair of Large Segmental Bone Defect. PLoS ONE, 2016, 11, e0163708.	2.5	11
80	Hard tissue regeneration using bone substitutes: an update on innovations in materials. Korean Journal of Internal Medicine, 2015, 30, 279.	1.7	61
81	Osteogenic potential of simvastatin loaded gelatin-nanofibrillar cellulose-Î² tricalcium phosphate hydrogel scaffold in critical-sized rat calvarial defect. European Polymer Journal, 2015, 73, 308-323.	5.4	27
82	Nanoparticle Biphasic Calcium Phosphate Loading on Gelatin-Pectin Scaffold for Improved Bone Regeneration. Tissue Engineering - Part A, 2015, 21, 1376-1387.	3.1	33
83	Collagen immobilization of multi-layered BCP-ZrO 2 bone substitutes to enhance bone formation. Applied Surface Science, 2015, 345, 238-248.	6.1	10
84	Bone formation of a porous Gelatin-Pectin-biphasic calcium phosphate composite in presence of BMP-2 and VEGF. International Journal of Biological Macromolecules, 2015, 76, 10-24.	7.5	67
85	Effect of rat bone marrow derivedâ€“stem cell delivery from serum-loaded oxidized alginateâ€“gelatinâ€“biphasic calcium phosphate hydrogel for bone tissue regeneration using a nude mouse critical-sized calvarial defect model. Journal of Bioactive and Compatible Polymers, 2015, 30, 188-208.	2.1	9
86	Preformed chitosan cryogel-biphasic calcium phosphate: a potential injectable biocomposite for pathologic fracture. Journal of Biomaterials Applications, 2015, 30, 182-192.	2.4	19
87	Effect of Local Sustainable Release of BMP2-VEGF from Nano-Cellulose Loaded in Sponge Biphasic Calcium Phosphate on Bone Regeneration. Tissue Engineering - Part A, 2015, 21, 1822-1836.	3.1	67
88	Improved In Vitro Biocompatibility of Surface-Modified Hydroxyapatite Sponge Scaffold with Gelatin and BMP-2 in Comparison Against a Commercial Bone Allograft. ASAIO Journal, 2015, 61, 78-86.	1.6	8
89	Bilayer electrospun poly(vinyl alcohol)â€“gelatin mat and biphasic calcium phosphateâ€“pectinâ€“gelatin hydrogel for application in bone hemorrhage. Journal of Bioactive and Compatible Polymers, 2015, 30, 424-435.	2.1	2
90	HAp granules encapsulated oxidized alginateâ€“gelatinâ€“biphasic calcium phosphate hydrogel for bone regeneration. International Journal of Biological Macromolecules, 2015, 81, 898-911.	7.5	43

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91	Bone Regeneration Using Hydroxyapatite Sponge Scaffolds with In Vivo Deposited Extracellular Matrix. Tissue Engineering - Part A, 2015, 21, 2649-2661.	3.1	18
92	The effect of BMPâ€2 and VEGF loading of gelatinâ€pectinâ€BCP scaffolds to enhance osteoblast proliferation. Journal of Applied Polymer Science, 2015, 132, .	2.6	19
93	Chitosanâ€“hyaluronic acid polyelectrolyte complex scaffold crosslinked with genipin for immobilization and controlled release of BMP-2. Carbohydrate Polymers, 2015, 115, 160-169.	10.2	130
94	Platelet-rich plasma encapsulation in hyaluronic acid/gelatin-BCP hydrogel for growth factor delivery in BCP sponge scaffold for bone regeneration. Journal of Biomaterials Applications, 2015, 29, 988-1002.	2.4	39
95	The effects of dimethyl 3,3â€²-dithiobispropionimidate di-hydrochloride cross-linking of collagen and gelatin coating on porous spherical biphasic calcium phosphate granules. Journal of Biomaterials Applications, 2014, 29, 386-398.	2.4	3
96	Synthesis of a novel bioactive glass using the ultrasonic energy assisted hydrothermal method and their biocompatibility evaluation. Journal of Materials Research, 2014, 29, 1781-1789.	2.6	4
97	Evaluation of the cytocompatibility hemocompatibilityin vivobone tissue regenerating capability of different PCL blends. Journal of Biomaterials Science, Polymer Edition, 2014, 25, 487-503.	3.5	39
98	A Combination of Biphasic Calcium Phosphate Scaffold with Hyaluronic Acid-Gelatin Hydrogel as a New Tool for Bone Regeneration. Tissue Engineering - Part A, 2014, 20, 1993-2004.	3.1	83
99	Evaluation of the potential antiâ€adhesion effect of the PVA/Gelatin membrane. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2014, 102, 840-849.	3.4	46
100	Surface modification of porous polycaprolactone/biphasic calcium phosphate scaffolds for bone regeneration in rat calvaria defect. Journal of Biomaterials Applications, 2014, 29, 624-635.	2.4	9
101	Utilization of PVPA and its effect on the material properties and biocompatibility of PVA electrospun membrane. Polymers for Advanced Technologies, 2014, 25, 55-65.	3.2	15
102	Fabrication of recombinant human bone morphogenetic protein-2 coated porous biphasic calcium phosphate-sodium carboxymethylcellulose-gelatin scaffold and its In vitro evaluation. Macromolecular Research, 2014, 22, 1297-1305.	2.4	7
103	In Vitro Study of CaTiO3â€“Hydroxyapatite Composites for Bone Tissue Engineering. ASAIO Journal, 2014, 60, 722-729.	1.6	15
104	Fabrication of Porous Hydroxyapatite Scaffolds as Artificial Bone Preform and its Biocompatibility Evaluation. ASAIO Journal, 2014, 60, 216-223.	1.6	36
105	Poly(vinylphosphonic acid) immobilized on chitosan: A glycosaminoglycan-inspired matrix for bone regeneration. International Journal of Biological Macromolecules, 2014, 64, 294-301.	7.5	20
106	Biphasic calcium phosphate loading on polycaprolactone/poly(lacto-co-glycolic acid) membranes for improved tensile strength, inÂvitro biocompatibility, and inÂvivo tissue regeneration. Journal of Biomaterials Applications, 2014, 28, 1164-1179.	2.4	6
107	In vitroandin vivoevaluation of porous PCL-PLLA 3D polymer scaffolds fabricated via salt leaching method for bone tissue engineering applications. Journal of Biomaterials Science, Polymer Edition, 2014, 25, 150-167.	3.5	45
108	Bioactive glass incorporation in calcium phosphate cement-based injectable bone substitute for improved inÂvitro biocompatibility and inÂvivo bone regeneration. Journal of Biomaterials Applications, 2014, 28, 739-756.	2.4	49

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109	In Vitro and In Vivo Studies of BMP-2-Loaded PCLâ€“Gelatinâ€“BCP Electrospun Scaffolds. Tissue Engineering - Part A, 2014, 20, 3279-3289.	3.1	62
110	BMP-2 Immoblized in BCP-Chitosan-Hyaluronic Acid Hybrid Scaffold for Bone Tissue Engineering. Korean Journal of Materials Research, 2014, 24, 704~709-704~709.	0.2	3
111	Electrospun PLGA/gelatin fibrous tubes for the application of biodegradable intestinal stent in rat model. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2013, 101B, 1095-1105.	3.4	30
112	A hybrid electrospun PU/PCL scaffold satisfied the requirements of blood vessel prosthesis in terms of mechanical properties, pore size, and biocompatibility. Journal of Biomaterials Science, Polymer Edition, 2013, 24, 1692-1706.	3.5	41
113	Fabrication and in vitro evaluations with osteoblast-like MG-63 cells of porous hyaluronic acid-gelatin blend scaffold for bone tissue engineering applications. Journal of Materials Science, 2013, 48, 4233-4242.	3.7	19
114	Bio-functionalization of polycaprolactone infiltrated BCP scaffold with silicon and fibronectin enhances osteoblast activity in vitro. Applied Surface Science, 2013, 279, 13-22.	6.1	10
115	Fabrication and biocompatibility of novel bilayer scaffold for skin tissue engineering applications. Journal of Biomaterials Applications, 2013, 27, 605-615.	2.4	59
116	Fabrication and characterization of ZrO2â€“CaOâ€“P2O5â€“Na2Oâ€“SiO2 bioactive glass ceramics. Journal of Materials Science, 2013, 48, 1863-1872.	3.7	24
117	Functional nanofiber mat of polyvinyl alcohol/gelatin containing nanoparticles of biphasic calcium phosphate for bone regeneration in rat calvaria defects. Journal of Biomedical Materials Research - Part A, 2013, 101A, 2412-2423.	4.0	54
118	Microstructure and biocompatibility of composite biomaterials fabricated from titanium and tricalcium phosphate by spark plasma sintering. Journal of Biomedical Materials Research - Part A, 2013, 101A, 1489-1501.	4.0	23
119	Preparation and characterization of PLGA microspheres by the electrospraying method for delivering simvastatin for bone regeneration. International Journal of Pharmaceutics, 2013, 443, 87-94.	5.2	122
120	Hybrid hydroxyapatite nanoparticles-loaded PCL/GE blend fibers for bone tissue engineering. Journal of Biomaterials Science, Polymer Edition, 2013, 24, 520-538.	3.5	45
121	Poly(lactide-co-glycolide acid)/biphasic calcium phosphate composite coating on a porous scaffold to deliver simvastatin for bone tissue engineering. Journal of Drug Targeting, 2013, 21, 719-729.	4.4	14
122	In vitro and in vivo studies of rhBMP2â€coated PS/PCL fibrous scaffolds for bone regeneration. Journal of Biomedical Materials Research - Part A, 2013, 101A, 797-808.	4.0	26
123	In vitro and in vivo evaluation of electrospun PCL/PMMA fibrous scaffolds for bone regeneration. Science and Technology of Advanced Materials, 2013, 14, 015009.	6.1	75
124	Fabrication of multilayer ZrO₂â€“biphasic calcium phosphateâ€“poly-caprolactone unidirectional channeled scaffold for bone tissue formation. Journal of Biomaterials Applications, 2013, 28, 462-472.	2.4	15
125	A novel fibrous scaffold composed of electrospun porous poly(É›-caprolactone) fibers for bone tissue engineering. Journal of Biomaterials Applications, 2013, 28, 514-528.	2.4	23
126	Addition of Hydroxyapatite to Toothpaste and Its Effect to Dentin Remineralization. Korean Journal of Materials Research, 2013, 23, 168-176.	0.2	5

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127	Residual Stress on Concentric Laminated Fibrous Al2O3-ZrO2Composites on Prolonged High Temperature Exposure. Korean Journal of Materials Research, 2013, 23, 531-536.	0.2	0
128	On Stabilization of PVPA/PVA Electrospun Nanofiber Membrane and Its Effect on Material Properties and Biocompatibility. Journal of Nanomaterials, 2012, 2012, 1-9.	2.7	34
129	Microwave sintering andin vitrostudy of defect-free stable porous multilayered HApâ€“ZrO₂artificial bone scaffold. Science and Technology of Advanced Materials, 2012, 13, 035009.	6.1	16
130	The effect of cross-linking on the microstructure, mechanical properties and biocompatibility of electrospun polycaprolactoneâ€“gelatin/PLGAâ€“gelatin/PLGAâ€“chitosan hybrid composite. Science and Technology of Advanced Materials, 2012, 13, 035002.	6.1	48
131	Fabrication and material properties of fibrous PHBV scaffolds depending on the cross-ply angle for tissue engineering. Journal of Biomaterials Applications, 2012, 27, 457-468.	2.4	2
132	Evaluation of formation process of spherical porous biphasic calcium phosphate (BCP) granules by slurry dripping method. Metals and Materials International, 2012, 18, 717-721.	3.4	3
133	Electrospinning of polyvinyl alcohol/gelatin nanofiber composites and cross-linking for bone tissue engineering application. Journal of Biomaterials Applications, 2012, 27, 255-266.	2.4	102
134	Fabrication of oxidized alginate-gelatin-BCP hydrogels and evaluation of the microstructure, material properties and biocompatibility for bone tissue regeneration. Journal of Biomaterials Applications, 2012, 27, 311-321.	2.4	80
135	Fabrication of novel multilayer Al2O3â€“(m-ZrO2)/t-ZrO2 fibrous ceramics composites. Ceramics International, 2012, 38, 1043-1050.	4.8	2
136	Preparation and characterization of a novel 3D scaffold from poly(É›-caprolactone)/biphasic calcium phosphate hybrid composite microspheres adhesion. Biochemical Engineering Journal, 2012, 64, 76-83.	3.6	23
137	Formation of TiO2 nano fibers on a micro-channeled Al2O3â€“ZrO2/TiO2 porous composite membrane for photocatalytic filtration. Journal of the European Ceramic Society, 2012, 32, 657-663.	5.7	23
138	Novel approach to the fabrication of an artificial small bone using a combination of sponge replica and electrospinning methods. Science and Technology of Advanced Materials, 2011, 12, 035002.	6.1	20
139	In Vitro and In Vivo Evaluations of 3D Porous TCP-coated and Non-coated Alumina Scaffolds. Journal of Biomaterials Applications, 2011, 25, 539-558.	2.4	11
140	Comparative Study of Microstructures and Material Properties in the Vacuum and Spark Plasma Sintered Ti-Calcium Phosphate Composites. Materials Transactions, 2011, 52, 1436-1442.	1.2	8
141	A Novel Photoactive Nano-Filtration Module Composed of a TiO₂ Loaded PVA Nano-Fibrous Membrane on Sponge Al₂O₃ Scaffolds and Al₂O₃-(m-ZrO₂)/t-ZrO₂ Composites. Materials Transactions, 2011, 52, 1452-1456.	1.2	7
142	Enhanced osteoconduction and angiogenesis of a three dimensional continuously porous Al2O3 implant. Materials Science and Engineering C, 2011, 31, 1458-1465.	7.3	4
143	Microstructure control of TCP/TCP-(t-ZrO2)/t-ZrO2 composites for artificial cortical bone. Materials Science and Engineering C, 2011, 31, 1660-1666.	7.3	15
144	Fabrication and characterization of porous poly(lactic-co-glycolic acid) (PLGA) microspheres for use as a drug delivery system. Journal of Materials Science, 2011, 46, 2510-2517.	3.7	23

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145	Fabrication of photocatalytic PVAâ€“TiO2 nano-fibrous hybrid membrane using the electro-spinning method. Journal of Materials Science, 2011, 46, 5615-5620.	3.7	47
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