

Il Keun Kwon

List of Publications by Year in descending order

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171
papers

9,119
citations

34016

52
h-index

46693

89
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172
all docs

172
docs citations

172
times ranked

14066
citing authors

#	ARTICLE	IF	CITATIONS
1	Thiolate poly(lactic-co-glycolic acid) nanofibers loaded with dexamethasone and ropivacaine show enhanced sustained release in the treatment of neuropathic pain through a local therapy technique. <i>Chemical Engineering Journal</i> , 2022, 431, 133356.	6.6	4
2	Isolation and characterization of ginseng-derived exosome-like nanoparticles with sucrose cushioning followed by ultracentrifugation. <i>SN Applied Sciences</i> , 2022, 4, 1.	1.5	9
3	Heart Rate Variability as a Potential Indicator of Cancer Pain in a Mouse Model of Peritoneal Metastasis. <i>Sensors</i> , 2022, 22, 2152.	2.1	3
4	Falcarindiol Stimulates Apoptotic and Autophagic Cell Death to Attenuate Cell Proliferation, Cell Division, and Metastasis through the PI3K/AKT/mTOR/p70S6K Pathway in Human Oral Squamous Cell Carcinomas. <i>The American Journal of Chinese Medicine</i> , 2022, 50, 295-311.	1.5	10
5	<scp>3D</scp> bioprinting of gellan gum-based hydrogels tethered with laminin-derived peptides for improved cellular behavior. <i>Journal of Biomedical Materials Research - Part A</i> , 2022, 110, 1655-1668.	2.1	6
6	Immediately implantable extracellular matrix-enriched osteoinductive hydrogel-laden 3D-printed scaffold for promoting vascularized bone regeneration in vivo. <i>Materials and Design</i> , 2022, 219, 110801.	3.3	6
7	Micropatterned Silk-Fibroin/Eumelanin Composite Films for Bioelectronic Applications. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 2466-2474.	2.6	16
8	Development of photo-crosslinkable platelet lysate-based hydrogels for 3D printing and tissue engineering. <i>Biofabrication</i> , 2021, 13, 044102.	3.7	7
9	Facile Preparation of β -Cyclodextrin-grafted Chitosan Electrospun Nanofibrous Scaffolds as a Hydrophobic Drug Delivery Vehicle for Tissue Engineering Applications. <i>ACS Omega</i> , 2021, 6, 28307-28315.	1.6	12
10	Anti-cancer effects of Hederoside C, a pentacyclic triterpene saponin, through the intrinsic apoptosis and STAT3 signaling pathways in osteosarcoma. <i>American Journal of Cancer Research</i> , 2021, 11, 4541-4550.	1.4	0
11	The Effectiveness of Compartmentalized Bone Graft Sponges Made Using Complementary Bone Graft Materials and Succinylated Chitosan Hydrogels. <i>Biomedicines</i> , 2021, 9, 1765.	1.4	2
12	11-O-Galloyl Bergenin from <i>Corylopsis coreanas</i> Leaves Induces Autophagy and Apoptosis in Human Osteosarcoma. <i>The American Journal of Chinese Medicine</i> , 2021, 49, 2017-2031.	1.5	4
13	Anti-tumor effects of jaceosidin on apoptosis, autophagy, and necroptosis in human glioblastoma multiforme. <i>American Journal of Cancer Research</i> , 2021, 11, 4919-4930.	1.4	0
14	Comparison of polysaccharides in articular cartilage regeneration associated with chondrogenic and autophagy-related gene expression. <i>International Journal of Biological Macromolecules</i> , 2020, 146, 922-930.	3.6	19
15	Dual pH- and GSH-Responsive Degradable PEGylated Graphene Quantum Dot-Based Nanoparticles for Enhanced HER2-Positive Breast Cancer Therapy. <i>Nanomaterials</i> , 2020, 10, 91.	1.9	29
16	Double layers of gold nanoparticles immobilized titanium implants improve the osseointegration in rabbit models. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 24, 102129.	1.7	20
17	Skin-Integrated Wearable Systems and Implantable Biosensors: A Comprehensive Review. <i>Biosensors</i> , 2020, 10, 79.	2.3	120
18	Induction of osteogenic differentiation in a rat calvarial bone defect model using an In situ forming graphene oxide incorporated glycol chitosan/oxidized hyaluronic acid injectable hydrogel. <i>Carbon</i> , 2020, 168, 264-277.	5.4	46

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19	Controllable delivery system: A temperature and pH-responsive injectable hydrogel from succinylated chitosan. <i>Applied Surface Science</i> , 2020, 528, 146812.	3.1	18
20	Strategy to inhibit effective differentiation of RANKL-induced osteoclasts using vitamin D-conjugated gold nanoparticles. <i>Applied Surface Science</i> , 2020, 527, 146765.	3.1	12
21	Emerging Potential of Exosomes in Regenerative Medicine for Temporomandibular Joint Osteoarthritis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1541.	1.8	51
22	Dexamethasone loaded bilayered 3D tubular scaffold reduces restenosis at the anastomotic site of tracheal replacement: <i>in vitro</i> and <i>in vivo</i> assessments. <i>Nanoscale</i> , 2020, 12, 4846-4858.	2.8	23
23	Vitamin D-conjugated gold nanoparticles as functional carriers to enhancing osteogenic differentiation. <i>Science and Technology of Advanced Materials</i> , 2019, 20, 826-836.	2.8	33
24	Heparin coating on 3D printed poly (L-lactic acid) biodegradable cardiovascular stent via mild surface modification approach for coronary artery implantation. <i>Chemical Engineering Journal</i> , 2019, 378, 122116.	6.6	81
25	Ternary nanofiber matrices composed of PCL/black phosphorus/collagen to enhance osteodifferentiation. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 80, 802-810.	2.9	21
26	Facile preparation of mussel-inspired antibiotic-decorated titanium surfaces with enhanced antibacterial activity for implant applications. <i>Applied Surface Science</i> , 2019, 496, 143675.	3.1	15
27	Suturable regenerated silk fibroin scaffold reinforced with 3D-printed polycaprolactone mesh: biomechanical performance and subcutaneous implantation. <i>Journal of Materials Science: Materials in Medicine</i> , 2019, 30, 63.	1.7	29
28	Anti-neuroinflammatory gold nanocomplex loading ursodeoxycholic acid following spinal cord injury. <i>Chemical Engineering Journal</i> , 2019, 375, 122088.	6.6	21
29	Simple and facile preparation of recombinant human bone morphogenetic protein-2 immobilized titanium implant via initiated chemical vapor deposition technique to promote osteogenesis for bone tissue engineering application. <i>Materials Science and Engineering C</i> , 2019, 100, 949-958.	3.8	39
30	In vitro and in vivo assessments of an optimal polyblend composition of polycaprolactone/gelatin nanofibrous scaffolds for Achilles tendon tissue engineering. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 76, 173-180.	2.9	13
31	Injectable biodegradable gelatin-methacrylate/ β -tricalcium phosphate composite for the repair of bone defects. <i>Chemical Engineering Journal</i> , 2019, 365, 30-39.	6.6	47
32	Development of a three-dimensionally printed scaffold grafted with bone forming peptide-1 for enhanced bone regeneration with in vitro and in vivo evaluations. <i>Journal of Colloid and Interface Science</i> , 2019, 539, 468-480.	5.0	36
33	Vascular endothelial growth factor immobilized on mussel-inspired three-dimensional bilayered scaffold for artificial vascular graft application: In vitro and in vivo evaluations. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 333-344.	5.0	51
34	Glutathione-responsive PEGylated GQD-based nanomaterials for diagnosis and treatment of breast cancer. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 71, 301-307.	2.9	18
35	3D biosensors in advanced medical diagnostics of high mortality diseases. <i>Biosensors and Bioelectronics</i> , 2019, 130, 20-39.	5.3	76
36	Ursodeoxycholic Acid Inhibits Inflammatory Responses and Promotes Functional Recovery After Spinal Cord Injury in Rats. <i>Molecular Neurobiology</i> , 2019, 56, 267-277.	1.9	50

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37	Aligned laminin core-polydioxanone/collagen shell fiber matrices effective for neuritogenesis. <i>Scientific Reports</i> , 2018, 8, 5570.	1.6	22
38	Implantation of a Matrigel-loaded agarose scaffold promotes functional regeneration of axons after spinal cord injury in rat. <i>Biochemical and Biophysical Research Communications</i> , 2018, 496, 785-791.	1.0	23
39	Recent advances in quantum dots for biomedical applications. <i>Journal of Pharmaceutical Investigation</i> , 2018, 48, 209-214.	2.7	58
40	Preparation and characterization of antibacterial orthodontic resin containing silver nanoparticles. <i>Applied Surface Science</i> , 2018, 432, 317-323.	3.1	38
41	Multilayered co-electrospun scaffold containing silver sulfadiazine as a prophylactic against osteomyelitis: Characterization and biological in vitro evaluations. <i>Applied Surface Science</i> , 2018, 432, 308-316.	3.1	14
42	Poly(lactide-co-glycolide) nanofibrous scaffolds chemically coated with gold-nanoparticles as osteoinductive agents for osteogenesis. <i>Applied Surface Science</i> , 2018, 432, 300-307.	3.1	35
43	Ultrasound-triggered PLGA microparticle destruction and degradation for controlled delivery of local cytotoxicity and drug release. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 1211-1217.	3.6	18
44	Microwave-Assisted Synthesis of Biocompatible Silk Fibroin-Based Carbon Quantum Dots. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700300.	1.2	23
45	Eumelanin Nanoparticle-Incorporated Polyvinyl Alcohol Nanofibrous Composite as an Electroconductive Scaffold for Skeletal Muscle Tissue Engineering. <i>ACS Applied Bio Materials</i> , 2018, 1, 1893-1905.	2.3	12
46	Injectable hydrogel composite containing modified gold nanoparticles: implication in bone tissue regeneration. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 7019-7031.	3.3	57
47	Graphene-Based Nanocomposites as Promising Options for Hard Tissue Regeneration. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1078, 103-117.	0.8	12
48	Fabrication of 3D Printed PCL/PEG Polyblend Scaffold Using Rapid Prototyping System for Bone Tissue Engineering Application. <i>Journal of Bionic Engineering</i> , 2018, 15, 435-442.	2.7	57
49	<i>In situ</i> gold nanoparticle growth on polydopamine-coated 3D-printed scaffolds improves osteogenic differentiation for bone tissue engineering applications: <i>in vitro</i> and <i>in vivo</i> studies. <i>Nanoscale</i> , 2018, 10, 15447-15453.	2.8	72
50	Preparation of antibacterial chitosan membranes containing silver nanoparticles for dental barrier membrane applications. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 66, 196-202.	2.9	50
51	Design of gold nanoparticles-decorated SiO ₂ @TiO ₂ core/shell nanostructures for visible light-activated photocatalysis. <i>RSC Advances</i> , 2017, 7, 7469-7475.	1.7	29
52	Graphene quantum dot-based theranostic agents for active targeting of breast cancer. <i>RSC Advances</i> , 2017, 7, 11420-11427.	1.7	88
53	Fabrication and design of bioactive agent coated, highly-aligned electrospun matrices for nerve tissue engineering: Preparation, characterization and application. <i>Applied Surface Science</i> , 2017, 424, 359-367.	3.1	16
54	Flexible and Highly Biocompatible Nanofiber-Based Electrodes for Neural Surface Interfacing. <i>ACS Nano</i> , 2017, 11, 2961-2971.	7.3	62

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55	Most simple preparation of an inkjet printing of silver nanoparticles on fibrous membrane for water purification: Technological and commercial application. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 46, 273-278.	2.9	32
56	Novel 3D printed alginate-BFP1 hybrid scaffolds for enhanced bone regeneration. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 45, 61-67.	2.9	50
57	The use of heparin chemistry to improve dental osteogenesis associated with implants. <i>Carbohydrate Polymers</i> , 2017, 157, 1750-1758.	5.1	15
58	Preparation of mechanically enhanced hydrogel scaffolds by incorporating interfacial polymer nanorods for nerve electrode application. <i>Fibers and Polymers</i> , 2017, 18, 2248-2254.	1.1	5
59	Static magnetic fields promote osteoblastic/cementoblastic differentiation in osteoblasts, cementoblasts, and periodontal ligament cells. <i>Journal of Periodontal and Implant Science</i> , 2017, 47, 273.	0.9	26
60	Flowaxis of osteoblast migration under fluid shear and the effect of RhoA kinase silencing. <i>PLoS ONE</i> , 2017, 12, e0171857.	1.1	21
61	Extracellular Matrix Revisited: Roles in Tissue Engineering. <i>International Neurourology Journal</i> , 2016, 20, S23-29.	0.5	81
62	Cationic Nanocylinders Promote Angiogenic Activities of Endothelial Cells. <i>Polymers</i> , 2016, 8, 15.	2.0	14
63	Development of Poly(ϵ -caprolactone) Scaffold Loaded with Simvastatin and Beta-Cyclodextrin Modified Hydroxyapatite Inclusion Complex for Bone Tissue Engineering. <i>Polymers</i> , 2016, 8, 49.	2.0	18
64	One-Step Fabrication of AgNPs Embedded Hybrid Dual Nanofibrous Oral Wound Dressings. <i>Journal of Biomedical Nanotechnology</i> , 2016, 12, 2041-2050.	0.5	23
65	Development of a novel dual PLGA and alginate coated drug-eluting stent for enhanced blood compatibility. <i>Macromolecular Research</i> , 2016, 24, 931-939.	1.0	10
66	Preparation of Electrospun Fibrous Scaffold Containing Silver Sulfadiazine for Biomedical Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 8554-8558.	0.9	10
67	Multifunctional hydrogel coatings on the surface of neural cuff electrode for improving electrode-nerve tissue interfaces. <i>Acta Biomaterialia</i> , 2016, 39, 25-33.	4.1	71
68	Antibacterial Effect of Silver and Gold Nanoparticle Coated Modified C-Palatal Plate. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 8809-8813.	0.9	6
69	Use of Baicalin-Conjugated Gold Nanoparticles for Apoptotic Induction of Breast Cancer Cells. <i>Nanoscale Research Letters</i> , 2016, 11, 381.	3.1	38
70	Development of novel photopolymerizable hyaluronic acid/heparin-based hydrogel scaffolds with a controlled release of growth factors for enhanced bone regeneration. <i>Macromolecular Research</i> , 2016, 24, 829-837.	1.0	9
71	Enhanced Photodynamic Properties of Graphene Quantum Dot Conjugated Ce6 Nanoparticles for Targeted Cancer Therapy and Imaging. <i>Chemistry Letters</i> , 2016, 45, 997-999.	0.7	22
72	Inhibition of Osteoclast Differentiation and Bone Resorption by Bisphosphonate-conjugated Gold Nanoparticles. <i>Scientific Reports</i> , 2016, 6, 27336.	1.6	67

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73	Enhanced Biocompatibility of Polyimide Film by Anti-Inflammatory Drug Loading. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 8800-8804.	0.9	4
74	Poly(L-Lactic Acid)/Gelatin Fibrous Scaffold Loaded with Simvastatin/Beta-Cyclodextrin-Modified Hydroxyapatite Inclusion Complex for Bone Tissue Regeneration. <i>Macromolecular Bioscience</i> , 2016, 16, 1027-1038.	2.1	44
75	A novel mussel-inspired 3D printed-scaffolds immobilized with bone forming peptide-1 for bone tissue engineering applications: Preparation, characterization and evaluation of its properties. <i>Macromolecular Research</i> , 2016, 24, 305-308.	1.0	16
76	Surface modification of 3D-printed porous scaffolds via mussel-inspired polydopamine and effective immobilization of rhBMP-2 to promote osteogenic differentiation for bone tissue engineering. <i>Acta Biomaterialia</i> , 2016, 40, 182-191.	4.1	175
77	Titanium dental implants surface-immobilized with gold nanoparticles as osteoinductive agents for rapid osseointegration. <i>Journal of Colloid and Interface Science</i> , 2016, 469, 129-137.	5.0	87
78	Current Progress in Nanotechnology Applications for Diagnosis and Treatment of Kidney Diseases. <i>Advanced Healthcare Materials</i> , 2015, 4, 2037-2045.	3.9	18
79	Cardiomyocyte stretching for regenerative medicine and hypertrophy study. <i>Tissue Engineering and Regenerative Medicine</i> , 2015, 12, 398-409.	1.6	17
80	Mitochondrial function contributes to oxysterol-induced osteogenic differentiation in mouse embryonic stem cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 561-572.	1.9	20
81	Characterization and preparation of bio-tubular scaffolds for fabricating artificial vascular grafts by combining electrospinning and a 3D printing system. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 2996-2999.	1.3	104
82	Biofunctionalized titanium with anti-fouling resistance by grafting thermo-responsive polymer brushes for the prevention of peri-implantitis. <i>Journal of Materials Chemistry B</i> , 2015, 3, 5161-5165.	2.9	32
83	Surface Modification of Multipass Caliber-Rolled Ti Alloy with Dexamethasone-Loaded Graphene for Dental Applications. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 9598-9607.	4.0	82
84	Functional nerve cuff electrode with controllable anti-inflammatory drug loading and release by biodegradable nanofibers and hydrogel deposition. <i>Sensors and Actuators B: Chemical</i> , 2015, 215, 133-141.	4.0	32
85	Embryoid body size-mediated differential endodermal and mesodermal differentiation using polyethylene glycol (PEG) microwell array. <i>Macromolecular Research</i> , 2015, 23, 245-255.	1.0	21
86	Generation of functionalized polymer nanolayer on implant surface via initiated chemical vapor deposition (iCVD). <i>Journal of Colloid and Interface Science</i> , 2015, 439, 34-41.	5.0	29
87	The effect of gold nanoparticle size on osteogenic differentiation of adipose-derived stem cells. <i>Journal of Colloid and Interface Science</i> , 2015, 438, 68-76.	5.0	154
88	Scale-Up Production of Theranostic Nanoparticles. , 2014, , 457-470.		6
89	Improved cell infiltration of highly porous 3D nanofibrous scaffolds formed by combined fiber-fiber charge repulsions and ultra-sonication. <i>Journal of Materials Chemistry B</i> , 2014, 2, 8116-8122.	2.9	36
90	Comparison Between Organic Sensitizers Containing Stilbene and Azo Group as Bridging Unit for Dye Sensitized Solar Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 7502-7507.	0.9	1

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91	Chitosan/Polyurethane Blended Fiber Sheets Containing Silver Sulfadiazine for Use as an Antimicrobial Wound Dressing. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 7488-7494.	0.9	46
92	Transdifferentiation of human periodontal ligament stem cells into pancreatic cell lineage. <i>Cell Biochemistry and Function</i> , 2014, 32, 605-611.	1.4	29
93	Inhibition of Osteoclast Differentiation by Gold Nanoparticles Functionalized with Cyclodextrin Curcumin Complexes. <i>ACS Nano</i> , 2014, 8, 12049-12062.	7.3	109
94	Microwell-mediated micro cartilage-like tissue formation of adipose-derived stem cell. <i>Macromolecular Research</i> , 2014, 22, 287-296.	1.0	11
95	Mesoporous TiO ₂ implants for loading high dosage of antibacterial agent. <i>Applied Surface Science</i> , 2014, 303, 140-146.	3.1	43
96	Electrospun chitosan nanofibers with controlled levels of silver nanoparticles. Preparation, characterization and antibacterial activity. <i>Carbohydrate Polymers</i> , 2014, 111, 530-537.	5.1	164
97	Enhanced bone regeneration with a gold nanoparticle-hydrogel complex. <i>Journal of Materials Chemistry B</i> , 2014, 2, 1584-1593.	2.9	205
98	Enhanced Light Absorption of Silicon Nanotube Arrays for Organic/Inorganic Hybrid Solar Cells. <i>Advanced Materials</i> , 2014, 26, 3445-3450.	11.1	72
99	Hybrid Solar Cells: Enhanced Light Absorption of Silicon Nanotube Arrays for Organic/Inorganic Hybrid Solar Cells (<i>Adv. Mater.</i> 21/2014). <i>Advanced Materials</i> , 2014, 26, 3567-3567.	11.1	2
100	Fabrication of biomimetic PCL scaffold using rapid prototyping for bone tissue engineering. <i>Macromolecular Research</i> , 2014, 22, 882-887.	1.0	22
101	Photo-cured hyaluronic acid-based hydrogels containing growth and differentiation factor 5 (GDF-5) for bone tissue regeneration. <i>Bone</i> , 2014, 59, 189-198.	1.4	90
102	Osteoblastic and osteoclastic differentiation on SLA and hydrophilic modified SLA titanium surfaces. <i>Clinical Oral Implants Research</i> , 2014, 25, 831-837.	1.9	69
103	Material and mechanical factors: new strategy in cellular neurogenesis. <i>Neural Regeneration Research</i> , 2014, 9, 1810.	1.6	10
104	Synthesis of Novel Hemicyanine Dyes for Color Compensating Film in Plasma Display Panels. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 2453-2459.	1.0	2
105	Hydrogels for delivery of bioactive agents: A historical perspective. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 17-20.	6.6	211
106	The role of focal adhesion kinase in BMP4 induction of mesenchymal stem cell adipogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2013, 435, 696-701.	1.0	23
107	ZrO ₂ surface chemically coated with hyaluronic acid hydrogel loading GDF-5 for osteogenesis in dentistry. <i>Carbohydrate Polymers</i> , 2013, 92, 167-175.	5.1	25
108	Enhanced neuroregenerative effects by scaffold for the treatment of a rat spinal cord injury with Wnt3a-secreting fibroblasts. <i>Acta Neurochirurgica</i> , 2013, 155, 809-816.	0.9	27

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109	All-Solution-Processed Transparent Thin Film Transistor and Its Application to Liquid Crystals Driving. <i>Advanced Materials</i> , 2013, 25, 3209-3214.	11.1	39
110	Coenzyme Q10 Regulates Osteoclast and Osteoblast Differentiation. <i>Journal of Food Science</i> , 2013, 78, H785-891.	1.5	28
111	Spica Prunella extract inhibits phosphorylation of JNK, ERK and $\text{I}\kappa\text{B}$ signals during osteoclastogenesis. <i>Food Science and Biotechnology</i> , 2013, 22, 1691-1698.	1.2	0
112	Burn-Wound Healing Effect of Gelatin/Polyurethane Nanofiber Scaffold Containing Silver-Sulfadiazine. <i>Journal of Biomedical Nanotechnology</i> , 2013, 9, 511-515.	0.5	96
113	Poly(L-lactic acid)/Hydroxyapatite Nanocylinders as Nanofibrous Structure for Bone Tissue Engineering Scaffolds. <i>Journal of Biomedical Nanotechnology</i> , 2013, 9, 424-429.	0.5	35
114	Cell fouling resistance of PEG-grafted polyimide film for neural implant applications. <i>Proceedings of SPIE</i> , 2012, , .	0.8	5
115	Paclitaxel-loaded poly(lactide-co-glycolide)/poly(ethylene vinyl acetate) composite for stent coating by ultrasonic atomizing spray. <i>Science and Technology of Advanced Materials</i> , 2012, 13, 025005.	2.8	8
116	Fibroblast culture on poly(L-lactide-co- ϵ -caprolactone) an electrospun nanofiber sheet. <i>Macromolecular Research</i> , 2012, 20, 1234-1242.	1.0	11
117	Analysis on the current status of targeted drug delivery to tumors. <i>Journal of Controlled Release</i> , 2012, 164, 108-114.	4.8	343
118	Differentially expressed genes in human gingival fibroblasts cultured on microgrooved titanium substrata: A pilot study. <i>Tissue Engineering and Regenerative Medicine</i> , 2012, 9, 75-83.	1.6	1
119	Three-Dimensional Electrospun Poly(Lactide-Co- ϵ -Caprolactone) for Small-Diameter Vascular Grafts. <i>Tissue Engineering - Part A</i> , 2012, 18, 1608-1616.	1.6	43
120	Mechanical Stretching for Tissue Engineering: Two-Dimensional and Three-Dimensional Constructs. <i>Tissue Engineering - Part B: Reviews</i> , 2012, 18, 288-300.	2.5	170
121	Antioxidants, like coenzyme Q10, selenite, and curcumin, inhibited osteoclast differentiation by suppressing reactive oxygen species generation. <i>Biochemical and Biophysical Research Communications</i> , 2012, 418, 247-253.	1.0	98
122	Quantitative monitoring of corticosteroids in cosmetic products manufactured in Korea using LC-MS/MS. <i>Forensic Science International</i> , 2012, 220, e23-e28.	1.3	24
123	Current perspectives of biodegradable drug-eluting stents for improved safety. <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 912-924.	1.4	7
124	Synergistic Effect of Biochemical Factors and Strain on the Smooth Muscle Cell Differentiation of Adipose-Derived Stem Cells on an Elastic Nanofibrous Scaffold. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012, 23, 1579-1593.	1.9	9
125	Safflower Seed Extract Inhibits Osteoclast Differentiation by Suppression of the p38 Mitogen-Activated Protein Kinase and $\text{I}\kappa\text{B}$ Kinase Activity. <i>Phytotherapy Research</i> , 2012, 26, 1648-1655.	2.8	5
126	Evaluation of GENESIS-BCP scaffold composed of hydroxyapatite and I^2 -tricalcium phosphate on bone formation. <i>Macromolecular Research</i> , 2012, 20, 627-633.	1.0	8

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127	In vitro evaluation of simvastatin acid (SVA) coated beta-tricalcium phosphate (β -TCP) particle on bone tissue regeneration. <i>Macromolecular Research</i> , 2012, 20, 754-761.	1.0	3
128	Specific temporal culturing and microgroove depth influence osteoblast differentiation of human periodontal ligament cells grown on titanium substrata. <i>Tissue Engineering and Regenerative Medicine</i> , 2012, 9, 128-136.	1.6	4
129	Efficient formation of cell spheroids using polymer nanofibers. <i>Biotechnology Letters</i> , 2012, 34, 795-803.	1.1	21
130	Gold nanoparticles surface-functionalized with paclitaxel drug and biotin receptor as theranostic agents for cancer therapy. <i>Biomaterials</i> , 2012, 33, 856-866.	5.7	310
131	Retinoic acid inhibits BMP4-induced C3H10T1/2 stem cell commitment to adipocyte via downregulating Smad/p38MAPK signaling. <i>Biochemical and Biophysical Research Communications</i> , 2011, 409, 550-555.	1.0	26
132	Effect of heparin and alendronate coating on titanium surfaces on inhibition of osteoclast and enhancement of osteoblast function. <i>Biochemical and Biophysical Research Communications</i> , 2011, 413, 194-200.	1.0	53
133	Poly(L-lactic acid) Nanocylinders as Nanofibrous Structures for Macroporous Gelatin Scaffolds. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 6371-6376.	0.9	10
134	Photo-cured hyaluronic acid-based hydrogels containing simvastatin as a bone tissue regeneration scaffold. <i>Biomaterials</i> , 2011, 32, 8161-8171.	5.7	121
135	Mechanism of albumin release from alginate and chitosan beads fabricated in dual layers. <i>Macromolecular Research</i> , 2011, 19, 476-482.	1.0	6
136	Synthesis and properties of hyaluronic acid containing copolymers crosslinked by γ -ray irradiation. <i>Macromolecular Research</i> , 2011, 19, 436-441.	1.0	12
137	The effect of immobilization of heparin and bone morphogenic protein-2 (BMP-2) to titanium surfaces on inflammation and osteoblast function. <i>Biomaterials</i> , 2011, 32, 366-373.	5.7	189
138	Multifunctional silica nanotubes for dual-modality gene delivery and MR imaging. <i>Biomaterials</i> , 2011, 32, 3042-3052.	5.7	44
139	Monitoring of clobetasol propionate and betamethasone dipropionate as undeclared steroids in cosmetic products manufactured in Korea. <i>Forensic Science International</i> , 2011, 210, 144-148.	1.3	33
140	Development of Nanofiber Coated Indomethacin-Eluting Stent for Tracheal Regeneration. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 5711-5716.	0.9	21
141	Highly Porous Electrospun Nanofibers Enhanced by Ultrasonication for Improved Cellular Infiltration. <i>Tissue Engineering - Part A</i> , 2011, 17, 2695-2702.	1.6	144
142	Development of a Biodegradable Sirolimus-Eluting Stent Coated by Ultrasonic Atomizing Spray. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 5689-5697.	0.9	10
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