Donghyun Lee

List of Publications by Year
in descending order

23 papers	907 citations	516710 16 h-index	642732 23 g-index
23 all docs	23 docs citations	23 times ranked	1705 citing authors

#	Article	IF	Citations
1	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. Acta Biomaterialia, 2016, 40, 182-191.	8.3	175
2	Titanium dental implants surface-immobilized with gold nanoparticles as osteoinductive agents for rapid osseointegration. Journal of Colloid and Interface Science, 2016, 469, 129-137.	9.4	87
3	Multifunctional hydrogel coatings on the surface of neural cuff electrode for improving electrode-nerve tissue interfaces. Acta Biomaterialia, 2016, 39, 25-33.	8.3	71
4	Inhibition of Osteoclast Differentiation and Bone Resorption by Bisphosphonate-conjugated Gold Nanoparticles. Scientific Reports, 2016, 6, 27336.	3.3	67
5	Flexible and Highly Biocompatible Nanofiber-Based Electrodes for Neural Surface Interfacing. ACS Nano, 2017, 11, 2961-2971.	14.6	62
6	Injectable hydrogel composite containing modified gold nanoparticles: implication in bone tissue regeneration. International Journal of Nanomedicine, 2018, Volume 13, 7019-7031.	6.7	57
7	Ursodeoxycholic Acid Inhibits Inflammatory Responses and Promotes Functional Recovery After Spinal Cord Injury in Rats. Molecular Neurobiology, 2019, 56, 267-277.	4.0	50
8	Poly(<scp>l</scp>â€Lactic Acid)/Gelatin Fibrous Scaffold Loaded with Simvastatin/Betaâ€Cyclodextrinâ€Modified Hydroxyapatite Inclusion Complex for Bone Tissue Regeneration. Macromolecular Bioscience, 2016, 16, 1027-1038.	4.1	44
9	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. Materials Science and Engineering C, 2019, 100, 949-958.	7.3	39
10	Use of Baicalin-Conjugated Gold Nanoparticles for Apoptotic Induction of Breast Cancer Cells. Nanoscale Research Letters, 2016, 11, 381.	5.7	38
11	Poly(lactide-co-glycolide) nanofibrous scaffolds chemically coated with gold-nanoparticles as osteoinductive agents for osteogenesis. Applied Surface Science, 2018, 432, 300-307.	6.1	35
12	Vitamin D-conjugated gold nanoparticles as functional carriers to enhancing osteogenic differentiation. Science and Technology of Advanced Materials, 2019, 20, 826-836.	6.1	33
13	Generation of functionalized polymer nanolayer on implant surface via initiated chemical vapor deposition (iCVD). Journal of Colloid and Interface Science, 2015, 439, 34-41.	9.4	29
14	Anti-neuroinflammatory gold nanocomplex loading ursodeoxycholic acid following spinal cord injury. Chemical Engineering Journal, 2019, 375, 122088.	12.7	21
15	Comparison of polysaccharides in articular cartilage regeneration associated with chondrogenic and autophagy-related gene expression. International Journal of Biological Macromolecules, 2020, 146, 922-930.	7.5	19
16	Fabrication and design of bioactive agent coated, highly-aligned electrospun matrices for nerve tissue engineering: Preparation, characterization and application. Applied Surface Science, 2017, 424, 359-367.	6.1	16
17	The use of heparin chemistry to improve dental osteogenesis associated with implants. Carbohydrate Polymers, 2017, 157, 1750-1758.	10.2	15
18	Strategy to inhibit effective differentiation of RANKL-induced osteoclasts using vitamin D-conjugated gold nanoparticles. Applied Surface Science, 2020, 527, 146765.	6.1	12

#	Article	IF	Citations
19	Facile Preparation of Î²-Cyclodextrin-grafted Chitosan Electrospun Nanofibrous Scaffolds as a Hydrophobic Drug Delivery Vehicle for Tissue Engineering Applications. ACS Omega, 2021, 6, 28307-28315.	3.5	12
20	Preparation of Electrospun Fibrous Scaffold Containing Silver Sulfadiazine for Biomedical Applications. Journal of Nanoscience and Nanotechnology, 2016, 16, 8554-8558.	0.9	10
21	Immediately implantable extracellular matrix-enriched osteoinductive hydrogel-laden 3D-printed scaffold for promoting vascularized bone regeneration in vivo. Materials and Design, 2022, 219, 110801.	7.0	6
22	Preparation of mechanically enhanced hydrogel scaffolds by incorporating interfacial polymer nanorods for nerve electrode application. Fibers and Polymers, 2017, 18, 2248-2254.	2.1	5
23	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. Chemical Engineering Journal, 2022, 431, 133356.	12.7	4