

Nandin Mandakhbayar

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

883
citations

430442

18
h-index

610482

24
g-index

24
all docs

24
docs citations

24
times ranked

1087
citing authors

#	ARTICLE	IF	CITATIONS
1	Intracellular co-delivery of Sr ion and phenamil drug through mesoporous bioglass nanocarriers synergizes BMP signaling and tissue mineralization. <i>Acta Biomaterialia</i> , 2017, 60, 93-108.	4.1	79
2	Coating biopolymer nanofibers with carbon nanotubes accelerates tissue healing and bone regeneration through orchestrated cell- and tissue-regulatory responses. <i>Acta Biomaterialia</i> , 2020, 108, 97-110.	4.1	75
3	Nanocements produced from mesoporous bioactive glass nanoparticles. <i>Biomaterials</i> , 2018, 162, 183-199.	5.7	69
4	Drug/ion co-delivery multi-functional nanocarrier to regenerate infected tissue defect. <i>Biomaterials</i> , 2017, 142, 62-76.	5.7	65
5	Dual actions of osteoclastic-inhibition and osteogenic-stimulation through strontium-releasing bioactive nanoscale cement imply biomaterial-enabled osteoporosis therapy. <i>Biomaterials</i> , 2021, 276, 121025.	5.7	62
6	Nanotherapeutics for regeneration of degenerated tissue infected by bacteria through the multiple delivery of bioactive ions and growth factor with antibacterial/angiogenic and osteogenic/odontogenic capacity. <i>Bioactive Materials</i> , 2021, 6, 123-136.	8.6	53
7	Revascularization and limb salvage following critical limb ischemia by nanoceria-induced Ref-1/APE1-dependent angiogenesis. <i>Biomaterials</i> , 2020, 242, 119919.	5.7	52
8	Anti-inflammatory actions of folate-functionalized bioactive ion-releasing nanoparticles imply drug-free nanotherapy of inflamed tissues. <i>Biomaterials</i> , 2019, 207, 23-38.	5.7	50
9	Protein-reactive nanofibrils decorated with cartilage-derived decellularized extracellular matrix for osteochondral defects. <i>Biomaterials</i> , 2021, 269, 120214.	5.7	49
10	Angiogenesis-promoted bone repair with silicate-shelled hydrogel fiber scaffolds. <i>Biomaterials Science</i> , 2019, 7, 5221-5231.	2.6	40
11	Multi-functional nano-adhesive releasing therapeutic ions for MMP-deactivation and remineralization. <i>Scientific Reports</i> , 2018, 8, 5663.	1.6	39
12	Intra-articular biomaterials-assisted delivery to treat temporomandibular joint disorders. <i>Journal of Tissue Engineering</i> , 2018, 9, 204173141877651.	2.3	37
13	Antibacterial, proangiogenic, and osteopromotive nanoglass paste coordinates regenerative process following bacterial infection in hard tissue. <i>Biomaterials</i> , 2021, 268, 120593.	5.7	37
14	Label-Free Fluorescent Mesoporous Bioglass for Drug Delivery, Optical Triple-Mode Imaging, and Photothermal/Photodynamic Synergistic Cancer Therapy. <i>ACS Applied Bio Materials</i> , 2020, 3, 2218-2229.	2.3	33
15	Evaluation of Strontium-Doped Nanobioactive Glass Cement for Dentinâ€™Pulp Complex Regeneration Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 6117-6126.	2.6	27
16	Three dimensional porous scaffolds derived from collagen, elastin and fibrin proteins orchestrate adipose tissue regeneration. <i>Journal of Tissue Engineering</i> , 2021, 12, 204173142110192.	2.3	20
17	Therapeutic tissue regenerative nanohybrids self-assembled from bioactive inorganic core / chitosan shell nanounits. <i>Biomaterials</i> , 2021, 274, 120857.	5.7	18
18	Electricity auto-generating skin patch promotes wound healing process by activation of mechanosensitive ion channels. <i>Biomaterials</i> , 2021, 275, 120948.	5.7	18

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19	Feasibility of Defect Tunable Bone Engineering Using Electroblown Bioactive Fibrous Scaffolds with Dental Stem Cells. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 1019-1028.	2.6	15
20	Investigating the mechanophysical and biological characteristics of therapeutic dental cement incorporating copper doped bioglass nanoparticles. <i>Dental Materials</i> , 2022, 38, 363-375.	1.6	13
21	Hyperelastic, shapeâ€memorable, and ultraâ€cellâ€adhesive degradable polycaprolactoneâ€polyurethane copolymer for tissue regeneration. <i>Bioengineering and Translational Medicine</i> , 2022, 7, .	3.9	10
22	Nanoscale Calcium Salt-Based Formulations As Potential Therapeutics for Osteoporosis. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 4604-4613.	2.6	9
23	Mussel Inspired Chemistry and Bacteria Derived Polymers for Oral Mucosal Adhesion and Drug Delivery. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 663764.	2.0	8
24	Characterization of Physical and Biological Properties of a Caries-Arresting Liquid Containing Copper Doped Bioglass Nanoparticles. <i>Pharmaceutics</i> , 2022, 14, 1137.	2.0	5