

A González

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7491261/publications.pdf>

Version: 2024-02-01

18
papers

654
citations

933447

10
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

1135
citing authors

#	ARTICLE	IF	CITATIONS
1	Collagen scaffolds functionalised with copper-eluting bioactive glass reduce infection and enhance osteogenesis and angiogenesis both in vitro and in vivo. <i>Biomaterials</i> , 2019, 197, 405-416.	11.4	146
2	Extracellular calcium and CaSR drive osteoinduction in mesenchymal stromal cells. <i>Acta Biomaterialia</i> , 2014, 10, 2824-2833.	8.3	103
3	Extracellular calcium modulates in vitro bone marrow-derived Flk-1+ CD34+ progenitor cell chemotaxis and differentiation through a calcium-sensing receptor. <i>Biochemical and Biophysical Research Communications</i> , 2010, 393, 156-161.	2.1	96
4	Control of microenvironmental cues with a smart biomaterial composite promotes endothelial progenitor cell angiogenesis. , 2012, 24, 90-106.		66
5	Functionalising Collagen-Based Scaffolds With Platelet-Rich Plasma for Enhanced Skin Wound Healing Potential. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 371.	4.1	53
6	Identification of the mechanisms by which age alters the mechanosensitivity of mesenchymal stromal cells on substrates of differing stiffness: Implications for osteogenesis and angiogenesis. <i>Acta Biomaterialia</i> , 2017, 53, 59-69.	8.3	38
7	Activation of the SOX5, SOX6, and SOX9 Trio of Transcription Factors Using a Gene-Activated Scaffold Stimulates Mesenchymal Stromal Cell Chondrogenesis and Inhibits Endochondral Ossification. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901827.	7.6	29
8	3D silicon doped hydroxyapatite scaffolds decorated with Elastin-like Recombinamers for bone regenerative medicine. <i>Acta Biomaterialia</i> , 2016, 45, 349-356.	8.3	22
9	Identification of stiffness-induced signalling mechanisms in cells from patent and fused sutures associated with craniosynostosis. <i>Scientific Reports</i> , 2017, 7, 11494.	3.3	18
10	Mechanobiology-informed regenerative medicine: Dose-controlled release of placental growth factor from a functionalized collagen-based scaffold promotes angiogenesis and accelerates bone defect healing. <i>Journal of Controlled Release</i> , 2021, 334, 96-105.	9.9	17
11	The Incorporation of Marine Coral Microparticles into Collagen-Based Scaffolds Promotes Osteogenesis of Human Mesenchymal Stromal Cells via Calcium Ion Signalling. <i>Marine Drugs</i> , 2020, 18, 74.	4.6	14
12	Systematic Comparison of Biomaterials-Based Strategies for Osteochondral and Chondral Repair in Large Animal Models. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100878.	7.6	11
13	Non-viral Gene Delivery of Interleukin-1 Receptor Antagonist Using Collagen-Hydroxyapatite Scaffold Protects Rat BM-MSCs From IL-1 β -Mediated Inhibition of Osteogenesis. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 582012.	4.1	10
14	Translational Studies on the Potential of a VEGF Nanoparticle-Loaded Hyaluronic Acid Hydrogel. <i>Pharmaceutics</i> , 2021, 13, 779.	4.5	9
15	A step closer to elastogenesis on demand; Inducing mature elastic fibre deposition in a natural biomaterial scaffold. <i>Materials Science and Engineering C</i> , 2021, 120, 111788.	7.3	7
16	Accelerating bone healing in vivo by harnessing the age-altered activation of c-Jun N-terminal kinase 3. <i>Biomaterials</i> , 2021, 268, 120540.	11.4	6
17	Incorporation of hydroxyapatite into collagen scaffolds enhances the therapeutic efficacy of rhBMP-2 in a weight-bearing femoral defect model. <i>Materials Today Communications</i> , 2021, 29, 102933.	1.9	6
18	Interleukin-1 receptor antagonist enhances the therapeutic efficacy of a low dose of rhBMP-2 in a weight-bearing rat femoral defect model. <i>Acta Biomaterialia</i> , 2022, 149, 189-197.	8.3	3