

Sunny Abbah

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/504170/publications.pdf>

Version: 2024-02-01

21
papers

652
citations

687363

13
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

1042
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological performance of a polycaprolactone-based scaffold used as fusion cage device in a large animal model of spinal reconstructive surgery. <i>Biomaterials</i> , 2009, 30, 5086-5093.	11.4	101
2	Implantation of hyaluronic acid hydrogel prevents the pain phenotype in a rat model of intervertebral disc injury. <i>Science Advances</i> , 2018, 4, eaaq0597.	10.3	90
3	Assessment of stem cell carriers for tendon tissue engineering in pre-clinical models. <i>Stem Cell Research and Therapy</i> , 2014, 5, 38.	5.5	61
4	Harnessing Hierarchical Nano- and Micro- Fabrication Technologies for Musculoskeletal Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2015, 4, 2488-2499.	7.6	59
5	Silk Fibroin-Based Complex Particles with Bioactive Encrustation for Bone Morphogenetic Protein 2 Delivery. <i>Biomacromolecules</i> , 2013, 14, 4465-4474.	5.4	43
6	Intervertebral Disc Degeneration: Biomaterials and Tissue Engineering Strategies toward Precision Medicine. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102530.	7.6	39
7	Fusion Performance of Low-Dose Recombinant Human Bone Morphogenetic Protein 2 and Bone Marrow-Derived Multipotent Stromal Cells in Biodegradable Scaffolds. <i>Spine</i> , 2011, 36, 1752-1759.	2.0	34
8	A Self-Powered Piezo-Bioelectric Device Regulates Tendon Repair-Associated Signaling Pathways through Modulation of Mechanosensitive Ion Channels. <i>Advanced Materials</i> , 2021, 33, e2008788.	21.0	32
9	Autogenous Bone Marrow Stromal Cell Sheets-Loaded mPCL/TCP Scaffolds Induced Osteogenesis in a Porcine Model of Spinal Interbody Fusion. <i>Tissue Engineering - Part A</i> , 2011, 17, 809-817.	3.1	31
10	Enhanced Control of <i>In Vivo</i> Bone Formation with Surface Functionalized Alginate Microbeads Incorporating Heparin and Human Bone Morphogenetic Protein-2. <i>Tissue Engineering - Part A</i> , 2013, 19, 350-359.	3.1	30
11	Co-transfection of decorin and interleukin-10 modulates pro-fibrotic extracellular matrix gene expression in human tenocyte culture. <i>Scientific Reports</i> , 2016, 6, 20922.	3.3	30
12	Minimizing the Severity of rhBMP-2-Induced Inflammation and Heterotopic Ossification With a Polyelectrolyte Carrier Incorporating Heparin on Microbead Templates. <i>Spine</i> , 2013, 38, 1452-1458.	2.0	19
13	Bone marrow-derived mesenchymal stem cells assembled with low-dose BMP-2 in a three-dimensional hybrid construct enhances posterolateral spinal fusion in syngeneic rats. <i>Spine Journal</i> , 2015, 15, 2552-2563.	1.3	19
14	Novel Protamine-Based Polyelectrolyte Carrier Enhances Low-Dose rhBMP-2 in Posterolateral Spinal Fusion. <i>Spine</i> , 2015, 40, 613-621.	2.0	14
15	Elastin-like hydrogel stimulates angiogenesis in a severe model of critical limb ischemia (CLI): An insight into the glyco-host response. <i>Biomaterials</i> , 2021, 269, 120641.	11.4	14
16	Fabrication of polycaprolactone-silanated β -tricalcium phosphate-heparan sulfate scaffolds for spinal fusion applications. <i>Spine Journal</i> , 2018, 18, 818-830.	1.3	12
17	Heparin-Based Polyelectrolyte Complex Enhances the Therapeutic Efficacy of Bone Morphogenetic Protein-2 for Posterolateral Fusion in a Large Animal Model. <i>Spine</i> , 2016, 41, 1199-1207.	2.0	9
18	Localized temporal co-delivery of interleukin 10 and decorin genes using a mediated by collagen-based biphasic scaffold modulates the expression of TGF- β 1/ β 2 in a rabbit ear hypertrophic scarring model. <i>Biomaterials Science</i> , 2021, 9, 3136-3149.	5.4	9

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19	Bone marrow mesenchymal stem cells with low dose bone morphogenetic protein 2 enhances scaffold-based spinal fusion in a porcine model. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2022, 16, 63-75.	2.7	6
20	Polyelectrolyte Complex for Heparin Binding Domain Osteogenic Growth Factor Delivery. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	0
21	A Self-Powered Piezo-Bioelectric Device Regulates Tendon Repair-Associated Signaling Pathways through Modulation of Mechanosensitive Ion Channels (<i>Adv. Mater.</i> 40/2021). <i>Advanced Materials</i> , 2021, 33, 2170315.	21.0	0