Sunny Abbah

List of Publications by Year
in descending order

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	Bone marrow mesenchymal stem cells with low dose bone morphogenetic protein 2 enhances scaffoldâ€based spinal fusion in a porcine model. Journal of Tissue Engineering and Regenerative Medicine, 2022, 16, 63-75.	2.7	6
2	Intervertebral Disc Degeneration: Biomaterials and Tissue Engineering Strategies toward Precision Medicine. Advanced Healthcare Materials, 2022, 11, e2102530.	7.6	39
3	Elastin-like hydrogel stimulates angiogenesis in a severe model of critical limb ischemia (CLI): An insight into the glyco-host response. Biomaterials, 2021, 269, 120641.	11.4	14
4	A Selfâ€Powered Piezoâ€Bioelectric Device Regulates Tendon Repairâ€Associated Signaling Pathways through Modulation of Mechanosensitive Ion Channels. Advanced Materials, 2021, 33, e2008788.	21.0	32
5	Localized temporal co-delivery of interleukin 10 and decorin genes using amediated by collagen-based biphasic scaffold modulates the expression of TGF-Î²1/Î²2 in a rabbit ear hypertrophic scarring model. Biomaterials Science, 2021, 9, 3136-3149.	5.4	9
6	A Selfâ€Powered Piezoâ€Bioelectric Device Regulates Tendon Repairâ€Associated Signaling Pathways through Modulation of Mechanosensitive Ion Channels (Adv. Mater. 40/2021). Advanced Materials, 2021, 33, 2170315.	21.0	0
7	Implantation of hyaluronic acid hydrogel prevents the pain phenotype in a rat model of intervertebral disc injury. Science Advances, 2018, 4, eaaq0597.	10.3	90
8	Fabrication of polycaprolactone-silanated Î²-tricalcium phosphate-heparan sulfate scaffolds for spinal fusion applications. Spine Journal, 2018, 18, 818-830.	1.3	12
9	Co-transfection of decorin and interleukin-10 modulates pro-fibrotic extracellular matrix gene expression in human tenocyte culture. Scientific Reports, 2016, 6, 20922.	3.3	30
10	Heparin-Based Polyelectrolyte Complex Enhances the Therapeutic Efficacy of Bone Morphogenetic Protein-2 for Posterolateral Fusion in a Large Animal Model. Spine, 2016, 41, 1199-1207.	2.0	9
11	Polyelectrolyte Complex for Heparin Binding Domain Osteogenic Growth Factor Delivery. Journal of Visualized Experiments, 2016, , .	0.3	0
12	Harnessing Hierarchical Nanoâ€and Microâ€Fabrication Technologies for Musculoskeletal Tissue Engineering. Advanced Healthcare Materials, 2015, 4, 2488-2499.	7.6	59
13	Novel Protamine-Based Polyelectrolyte Carrier Enhances Low-Dose rhBMP-2 in Posterolateral Spinal Fusion. Spine, 2015, 40, 613-621.	2.0	14
14	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. Spine Journal, 2015, 15, 2552-2563.	1.3	19
15	Assessment of stem cell carriers for tendon tissue engineering in pre-clinical models. Stem Cell Research and Therapy, 2014, 5, 38.	5.5	61
16	Enhanced Control of In Vivo Bone Formation with Surface Functionalized Alginate Microbeads Incorporating Heparin and Human Bone Morphogenetic Protein-2. Tissue Engineering - Part A, 2013, 19, 350-359.	3.1	30
17	Silk Fibroin-Based Complex Particles with Bioactive Encrustation for Bone Morphogenetic Protein 2 Delivery. Biomacromolecules, 2013, 14, 4465-4474.	5.4	43
18	Minimizing the Severity of rhBMP-2â€“Induced Inflammation and Heterotopic Ossification With a Polyelectrolyte Carrier Incorporating Heparin on Microbead Templates. Spine, 2013, 38, 1452-1458.	2.0	19

#	Article	IF	Citations
19	Fusion Performance of Low-Dose Recombinant Human Bone Morphogenetic Protein 2 and Bone Marrow-Derived Multipotent Stromal Cells in Biodegradable Scaffolds. Spine, 2011, 36, 1752-1759.	2.0	34
20	Autogenous Bone Marrow Stromal Cell Sheets-Loaded mPCL/TCP Scaffolds Induced Osteogenesis in a Porcine Model of Spinal Interbody Fusion. Tissue Engineering - Part A, 2011, 17, 809-817.	3.1	31
21	Biological performance of a polycaprolactone-based scaffold used as fusion cage device in a large animal model of spinal reconstructive surgery. Biomaterials, 2009, 30, 5086-5093.	11.4	101