Binulal Nelson Sathy

List of Publications by Citations

17 papers	672 citations	12 h-index	19 g-index
19 ext. papers	792 ext. citations	5.9 avg, IF	3.97 L-index

#	Paper	IF	Citations
17	Biocompatible magnetite/gold nanohybrid contrast agents via green chemistry for MRI and CT bioimaging. *ACS Applied Materials & Interfaces*, **2012**, 4, 251-60	9.5	188
16	3D Bioprinting of Developmentally Inspired Templates for Whole Bone Organ Engineering. *Advanced Healthcare Materials*, **2016**, 5, 2353-62	10.1	159
15	Three-Dimensional Bioprinting of Polycaprolactone Reinforced Gene Activated Bioinks for Bone Tissue Engineering. *Tissue Engineering - Part A*, **2017**, 23, 891-900	3.9	61
14	Anisotropic Shape-Memory Alginate Scaffolds Functionalized with Either Type I or Type II Collagen for Cartilage Tissue Engineering. *Tissue Engineering - Part A*, **2017**, 23, 55-68	3.9	45
13	Engineering large cartilage tissues using dynamic bioreactor culture at defined oxygen conditions. *Journal of Tissue Engineering*, **2018**, 9, 2041731417753718	7.5	34
12	Modulating microfibrillar alignment and growth factor stimulation to regulate mesenchymal stem cell differentiation. *Acta Biomaterialia*, **2017**, 64, 148-160	10.8	33
11	Hierarchically Structured Electrospun Scaffolds with Chemically Conjugated Growth Factor for Ligament Tissue Engineering. *Tissue Engineering - Part A*, **2017**, 23, 823-836	3.9	26
10	Bone Tissue Engineering with Multilayered Scaffolds-Part I: An Approach for Vascularizing Engineered Constructs In Vivo. *Tissue Engineering - Part A*, **2015**, 21, 2480-94	3.9	24
9	Electrospinning of highly porous yet mechanically functional microfibrillar scaffolds at the human scale for ligament and tendon tissue engineering. *Biomedical Materials (Bristol)*, **2019**, 14, 035016	3.5	23
8	Simple Radical Polymerization of Poly(Alginate-Graft-N-Isopropylacrylamide) Injectable Thermoresponsive Hydrogel with the Potential for Localized and Sustained Delivery of Stem Cells and Bioactive Molecules. *Macromolecular Bioscience*, **2017**, 17, 1700118	5.5	23
7	RALA complexed □TCP nanoparticle delivery to mesenchymal stem cells induces bone formation in tissue engineered constructs in vitro and in vivo. *Journal of Materials Chemistry B*, **2017**, 5, 1753-1764	7.3	16
6	Hypoxia mimicking hydrogels to regulate the fate of transplanted stem cells. *Acta Biomaterialia*, **2019**, 88, 314-324	10.8	16
5	Bone Tissue Engineering with Multilayered Scaffolds-Part II: Combining Vascularization with Bone Formation in Critical-Sized Bone Defect. *Tissue Engineering - Part A*, **2015**, 21, 2495-503	3.9	12
4	nCP:Fe-A Biomineral Magnetic Nanocontrast Agent for Tracking Implanted Stem Cells in Brain Using MRI.. *ACS Applied Bio Materials*, **2019**, 2, 5390-5403	4.1	4
3	3D Bioprinting: 3D Bioprinting of Developmentally Inspired Templates for Whole Bone Organ Engineering (Adv. Healthcare Mater. 18/2016). *Advanced Healthcare Materials*, **2016**, 5, 2352-2352	10.1	3
2	Design, Development, and Evaluation of an Interwoven Electrospun Nanotextile Vascular Patch. *Macromolecular Materials and Engineering*,2100359	3.9	3
1	Improving the Intercellular Uptake and Osteogenic Potency of Calcium Phosphate via Nanocomplexation with the RALA Peptide. *Nanomaterials*, **2020**, 10,	5.4	2