Rukmani Sridharan

List of Publications by Year
in descending order

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15 papers	1,479 citations	759233 12 h-index	996975 15 g-index
16 all docs	16 docs citations	16 times ranked	2849 citing authors

#	Article	IF	Citations
1	Optimization of extracellular matrix production from human induced pluripotent stem cellâ€derived fibroblasts for scaffold fabrication for application in wound healing. Journal of Biomedical Materials Research - Part A, 2021, 109, 1803-1811.	4.0	15
2	Substrate Stiffness Modulates the Crosstalk Between Mesenchymal Stem Cells and Macrophages. Journal of Biomechanical Engineering, 2021, 143, .	1.3	18
3	Hydroxyapatite Particle Shape and Size Influence MSC Osteogenesis by Directing the Macrophage Phenotype in Collagen-Hydroxyapatite Scaffolds. ACS Applied Bio Materials, 2020, 3, 7562-7574.	4.6	14
4	Collagen/GAG scaffolds activated by RALA-siMMP-9 complexes with potential for improved diabetic foot ulcer healing. Materials Science and Engineering C, 2020, 114, 111022.	7.3	20
5	Scaffolds Functionalized with Matrix from Induced Pluripotent Stem Cell Fibroblasts for Diabetic Wound Healing. Advanced Healthcare Materials, 2020, 9, e2000307.	7.6	19
6	The Use of Genipin as an Effective, Biocompatible, Antiâ€inflammatory Crossâ€Linking Method for Nerve Guidance Conduits. Advanced Biology, 2020, 4, e1900212.	3.0	18
7	Material stiffness influences the polarization state, function and migration mode of macrophages. Acta Biomaterialia, 2019, 89, 47-59.	8.3	245
8	Functionalising Collagen-Based Scaffolds With Platelet-Rich Plasma for Enhanced Skin Wound Healing Potential. Frontiers in Bioengineering and Biotechnology, 2019, 7, 371.	4.1	53
9	Macrophage Polarization in Response to Collagen Scaffold Stiffness Is Dependent on Cross-Linking Agent Used To Modulate the Stiffness. ACS Biomaterials Science and Engineering, 2019, 5, 544-552.	5.2	60
10	The shape and size of hydroxyapatite particles dictate inflammatory responses following implantation. Scientific Reports, 2017, 7, 2922.	3.3	131
11	Biomaterial based modulation of macrophage polarization: a review and suggested design principles. Materials Today, 2015, 18, 313-325.	14.2	629
12	Decellularized grafts with axially aligned channels for peripheral nerve regeneration. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 41, 124-135.	3.1	54
13	Bioengineering tools to elucidate and control the fate of transplanted stem cells. Biochemical Society Transactions, 2014, 42, 679-687.	3.4	12
14	Advances in Single-cell Tracking of Mesenchymal Stem Cells (MSCs) During Musculoskeletal Regeneration. , 2012, 14, 22-28.		3
15	Engineered cell homing. Blood, 2011, 118, e184-e191.	1.4	187