

# Rukmani Sridharan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/654695/publications.pdf>

Version: 2024-02-01

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