

# Akhilandeshwari Ravichandran

## List of Publications by Year in descending order

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14  
papers

359  
citations

1051969

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1255698

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docs citations

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times ranked

692  
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering mammary tissue microenvironments in vitro. <i>Advances in Stem Cells and Their Niches</i> , 2022, , .	0.1	0
2	Convergence of 3D printed biomimetic wound dressings and adult stem cell therapy. <i>Biomaterials</i> , 2021, 268, 120558.	5.7	52
3	In vitro engineering of a bone metastases model allows for study of the effects of antiandrogen therapies in advanced prostate cancer. <i>Science Advances</i> , 2021, 7, .	4.7	20
4	Photocrosslinkable liver extracellular matrix hydrogels for the generation of 3D liver microenvironment models. <i>Scientific Reports</i> , 2021, 11, 15566.	1.6	19
5	Engineering a 3D bone marrow adipose composite tissue loading model suitable for studying mechanobiological questions. <i>Materials Science and Engineering C</i> , 2021, 128, 112313.	3.8	10
6	Comparative Craniofacial Bone Regeneration Capacities of Mesenchymal Stem Cells Derived from Human Neural Crest Stem Cells and Bone Marrow. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 207-221.	2.6	10
7	3D Breast Tumor Models for Radiobiology Applications. <i>Cancers</i> , 2021, 13, 5714.	1.7	5
8	Stromal fibroblasts regulate microvascular-like network architecture in a bioengineered breast tumour angiogenesis model. <i>Acta Biomaterialia</i> , 2020, 114, 256-269.	4.1	17
9	Targeted camptothecin delivery via silicon nanoparticles reduces breast cancer metastasis. <i>Biomaterials</i> , 2020, 240, 119791.	5.7	73
10	Tuning mechanical reinforcement and bioactivity of 3D printed ternary nanocomposites by interfacial peptide-polymer conjugates. <i>Biofabrication</i> , 2019, 11, 035028.	3.7	18
11	Biomimetic fetal rotation bioreactor for engineering bone tissues—Effect of cyclic strains on upregulation of osteogenic gene expression. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, e2039-e2050.	1.3	16
12	Review: bioreactor design towards generation of relevant engineered tissues: focus on clinical translation. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, e7-e22.	1.3	45
13	<i>In vitro</i> cyclic compressive loads potentiate early osteogenic events in engineered bone tissue. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017, 105, 2366-2375.	1.6	35
14	Development and Characterization of Organic Electronic Scaffolds for Bone Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2016, 5, 1505-1512.	3.9	39