Akhilandeshwari Ravichandran

List of Publications by Year in descending order

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933447 1125743 14 359 10 13 g-index citations h-index papers 14 14 14 632 docs citations times ranked citing authors all docs

AKHILANDESHWARI

#	Article	IF	CITATIONS
1	Engineering mammary tissue microenvironments in vitro. Advances in Stem Cells and Their Niches, 2022, , .	0.1	0
2	Convergence of 3D printed biomimetic wound dressings and adult stem cell therapy. Biomaterials, 2021, 268, 120558.	11.4	52
3	In vitro engineering of a bone metastases model allows for study of the effects of antiandrogen therapies in advanced prostate cancer. Science Advances, 2021, 7, .	10.3	20
4	Photocrosslinkable liver extracellular matrix hydrogels for the generation of 3D liver microenvironment models. Scientific Reports, 2021, 11, 15566.	3.3	19
5	Engineering a 3D bone marrow adipose composite tissue loading model suitable for studying mechanobiological questions. Materials Science and Engineering C, 2021, 128, 112313.	7.3	10
6	Comparative Craniofacial Bone Regeneration Capacities of Mesenchymal Stem Cells Derived from Human Neural Crest Stem Cells and Bone Marrow. ACS Biomaterials Science and Engineering, 2021, 7, 207-221.	5.2	10
7	3D Breast Tumor Models for Radiobiology Applications. Cancers, 2021, 13, 5714.	3.7	5
8	Stromal fibroblasts regulate microvascular-like network architecture in a bioengineered breast tumour angiogenesis model. Acta Biomaterialia, 2020, 114, 256-269.	8.3	17
9	Targeted camptothecin delivery via silicon nanoparticles reduces breast cancer metastasis. Biomaterials, 2020, 240, 119791.	11.4	73
10	Tuning mechanical reinforcement and bioactivity of 3D printed ternary nanocomposites by interfacial peptide-polymer conjugates. Biofabrication, 2019, 11, 035028.	7.1	18
11	Biomimetic fetal rotation bioreactor for engineering bone tissues—Effect of cyclic strains on upregulation of osteogenic gene expression. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e2039-e2050.	2.7	16
12	Review: bioreactor design towards generation of relevant engineered tissues: focus on clinical translation. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e7-e22.	2.7	45
13	<i>In vitro</i> cyclic compressive loads potentiate early osteogenic events in engineered bone tissue. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2017, 105, 2366-2375. 	3.4	35
14	Development and Characterization of Organic Electronic Scaffolds for Bone Tissue Engineering. Advanced Healthcare Materials, 2016, 5, 1505-1512.	7.6	39