

Ravi Sinha

List of Publications by Year in descending order

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14
papers

318
citations

1039880

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1199470

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docs citations

20
times ranked

453
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of high content nanohydroxyapatite composite scaffolds prepared via melt extrusion additive manufacturing on the osteogenic differentiation of human mesenchymal stromal cells. , 2022, 137, 212833.		8
2	3D additive manufactured composite scaffolds with antibiotic-loaded lamellar fillers for bone infection prevention and tissue regeneration. <i>Bioactive Materials</i> , 2021, 6, 1073-1082.	8.6	40
3	Tuning Cell Behavior on 3D Scaffolds Fabricated by Atmospheric Plasma-Assisted Additive Manufacturing. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3631-3644.	4.0	24
4	Effect of the reduced graphene oxide (rGO) compaction degree and concentration on rGO-polymer composite printability and cell interactions. <i>Nanoscale</i> , 2021, 13, 14382-14398.	2.8	3
5	A hybrid additive manufacturing platform to create bulk and surface composition gradients on scaffolds for tissue regeneration. <i>Nature Communications</i> , 2021, 12, 500.	5.8	35
6	Size Effects in Finite Element Modelling of 3D Printed Bone Scaffolds Using Hydroxyapatite PEOT/PBT Composites. <i>Mathematics</i> , 2021, 9, 1746.	1.1	1
7	Additive Manufactured Scaffolds for Bone Tissue Engineering: Physical Characterization of Thermoplastic Composites with Functional Fillers. <i>ACS Applied Polymer Materials</i> , 2021, 3, 3788-3799.	2.0	17
8	Additive Manufacturing Using Melt Extruded Thermoplastics for Tissue Engineering. <i>Methods in Molecular Biology</i> , 2021, 2147, 75-99.	0.4	12
9	Improving cell distribution on 3D additive manufactured scaffolds through engineered seeding media density and viscosity. <i>Acta Biomaterialia</i> , 2020, 101, 183-195.	4.1	48
10	Decellularized Porcine Achilles Tendon Induces Anti-inflammatory Macrophage Phenotype In Vitro and Tendon Repair In Vivo. <i>Journal of Immunology and Regenerative Medicine</i> , 2020, 8, 100027.	0.2	9
11	Editorial: Novel Composites and Multi-Material Assembly Approaches for Tissue Regeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 680.	2.0	0
12	Tuning Cell and Tissue Development by Combining Multiple Mechanical Signals. <i>Tissue Engineering - Part B: Reviews</i> , 2017, 23, 494-504.	2.5	17
13	Endothelial cell alignment as a result of anisotropic strain and flow induced shear stress combinations. <i>Scientific Reports</i> , 2016, 6, 29510.	1.6	76
14	Multi-Scale Biomechanical Remodeling in Aging and Genetic Mutant Murine Mitral Valve Leaflets: Insights into Marfan Syndrome. <i>PLoS ONE</i> , 2012, 7, e44639.	1.1	18