Ravi Sinha

List of Publications by Year
in descending order

14	318	1039880 9	1199470 12
papers	citations	h-index	g-index

20	20	20	453
all docs	docs citations	times ranked	citing authors

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