

Vijayan Manoharan

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

4,038
citations

566801

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996533

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16
all docs

16
docs citations

16
times ranked

6374
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogel bioprinted microchannel networks for vascularization of tissue engineering constructs. Lab on A Chip, 2014, 14, 2202-2211.	3.1	759
2	Microfluidic Bioprinting of Heterogeneous 3D Tissue Constructs Using Low-Viscosity Bioink. Advanced Materials, 2016, 28, 677-684.	11.1	677
3	Direct-write bioprinting of cell-laden methacrylated gelatin hydrogels. Biofabrication, 2014, 6, 024105.	3.7	528
4	A liver-on-a-chip platform with bioprinted hepatic spheroids. Biofabrication, 2016, 8, 014101.	3.7	466
5	Reduced Graphene Oxide-GelMA Hybrid Hydrogels as Scaffolds for Cardiac Tissue Engineering. Small, 2016, 12, 3677-3689.	5.2	385
6	Organ-on-a-chip platforms for studying drug delivery systems. Journal of Controlled Release, 2014, 190, 82-93.	4.8	308
7	A Bioactive Carbon Nanotube-Based Ink for Printing 2D and 3D Flexible Electronics. Advanced Materials, 2016, 28, 3280-3289.	11.1	199
8	Organs-on-a-chip: a new tool for drug discovery. Expert Opinion on Drug Discovery, 2014, 9, 335-352.	2.5	175
9	Nanoengineered biomimetic hydrogels for guiding human stem cell osteogenesis in three dimensional microenvironments. Journal of Materials Chemistry B, 2016, 4, 3544-3554.	2.9	149
10	Nanoparticle-Based Hybrid Scaffolds for Deciphering the Role of Multimodal Cues in Cardiac Tissue Engineering. ACS Nano, 2019, 13, 12525-12539.	7.3	101
11	Engineering Pre-vascularized Scaffolds for Bone Regeneration. Advances in Experimental Medicine and Biology, 2015, 881, 79-94.	0.8	90
12	A cost-effective fluorescence mini-microscope for biomedical applications. Lab on A Chip, 2015, 15, 3661-3669.	3.1	86
13	Tailoring biomaterial surface properties to modulate host-implant interactions: implication in cardiovascular and bone therapy. Journal of Materials Chemistry B, 2016, 4, 1586-1599.	2.9	59
14	Google Glass-Directed Monitoring and Control of Microfluidic Biosensors and Actuators. Scientific Reports, 2016, 6, 22237.	1.6	34
15	Mechanistic Insights into Interaction of Humic Acid with Silver Nanoparticles. Cell Biochemistry and Biophysics, 2014, 68, 127-131.	0.9	22
16	Nanomaterials and Cardiovascular Toxicity. , 2015, , 547-570.		0