

Xin Qu

List of Publications by Year in descending order

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16
papers

2,234
citations

687363

13
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

3816
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct 3D bioprinting of prevascularized tissue constructs with complex microarchitecture. <i>Biomaterials</i> , 2017, 124, 106-115.	11.4	433
2	Rapid Fabrication of Complex 3D Extracellular Microenvironments by Dynamic Optical Projection Stereolithography. <i>Advanced Materials</i> , 2012, 24, 4266-4270.	21.0	302
3	3D Optical Printing of Piezoelectric Nanoparticle-Polymer Composite Materials. <i>ACS Nano</i> , 2014, 8, 9799-9806.	14.6	296
4	Bio-inspired detoxification using 3D-printed hydrogel nanocomposites. <i>Nature Communications</i> , 2014, 5, 3774.	12.8	271
5	3D-Printed Artificial Microfish. <i>Advanced Materials</i> , 2015, 27, 4411-4417.	21.0	251
6	3D printing of biomimetic microstructures for cancer cell migration. <i>Biomedical Microdevices</i> , 2014, 16, 127-132.	2.8	212
7	Influence of hydrogel mechanical properties and mesh size on vocal fold fibroblast extracellular matrix production and phenotype. <i>Acta Biomaterialia</i> , 2008, 4, 1161-1171.	8.3	120
8	Tuning the Poisson's Ratio of Biomaterials for Investigating Cellular Response. <i>Advanced Functional Materials</i> , 2013, 23, 3226-3232.	14.9	99
9	Three-dimensional direct cell patterning in collagen hydrogels with near-infrared femtosecond laser. <i>Scientific Reports</i> , 2015, 5, 17203.	3.3	78
10	Hydrogel-Electrospun Mesh Composites for Coronary Artery Bypass Grafts. <i>Tissue Engineering - Part C: Methods</i> , 2011, 17, 451-461.	2.1	51
11	Impact of Endothelial Cells and Mechanical Conditioning on Smooth Muscle Cell Extracellular Matrix Production and Differentiation. <i>Tissue Engineering - Part A</i> , 2009, 15, 815-825.	3.1	38
12	Relative impact of uniaxial alignment vs. form-induced stress on differentiation of human adipose derived stem cells. <i>Biomaterials</i> , 2013, 34, 9812-9818.	11.4	31
13	Influence of select extracellular matrix proteins on mesenchymal stem cell osteogenic commitment in three-dimensional contexts. <i>Acta Biomaterialia</i> , 2012, 8, 4397-4404.	8.3	30
14	Refined assessment of the impact of cell shape on human mesenchymal stem cell differentiation in 3D contexts. <i>Acta Biomaterialia</i> , 2019, 87, 166-176.	8.3	10
15	Regulation of smooth muscle cell phenotype by glycosaminoglycan identity. <i>Acta Biomaterialia</i> , 2011, 7, 1031-1039.	8.3	6
16	Relative impact of form-induced stress vs. uniaxial alignment on multipotent stem cell myogenesis. <i>Acta Biomaterialia</i> , 2012, 8, 3974-3981.	8.3	6