Mohammad Izadifar

List of Publications by Year
in descending order

12 papers	282 citations	1163117 8 h-index	1281871 11 g-index
12 all docs	12 docs citations	12 times ranked	384 citing authors

#	Article	IF	Citations
1	An Optical-Flow-Based Method to Quantify Dynamic Behavior of Human Pluripotent Stem Cell-Derived Cardiomyocytes in Disease Modeling Platforms. Methods in Molecular Biology, 2021, , 1.	0.9	0
2	Influence of ionic crosslinkers (Ca²⁺/Ba²⁺/Zn²⁺) on the mechanical and biological properties of 3D Bioplotted Hydrogel Scaffolds. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 1126-1154.	3.5	72
3	Synchrotron speckle-based x-ray phase-contrast imaging for mapping intra-aneurysmal blood flow without contrast agent. Biomedical Physics and Engineering Express, 2018, 4, 015011.	1.2	4
4	Dispensing-based bioprinting of mechanically-functional hybrid scaffolds with vessel-like channels for tissue engineering applications â€“ A brief review. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 78, 298-314.	3.1	53
5	Computational nanomedicine for mechanistic elucidation of bilayer nanoparticle-mediated release for tissue engineering. Nanomedicine, 2017, 12, 423-442.	3.3	5
6	Potential of propagation-based synchrotron X-ray phase-contrast computed tomography for cardiac tissue engineering. Journal of Synchrotron Radiation, 2017, 24, 842-853.	2.4	8
7	Bioprinting Pattern-Dependent Electrical/Mechanical Behavior of Cardiac Alginate Implants: Characterization and Ex Vivo Phase-Contrast Microtomography Assessment. Tissue Engineering - Part C: Methods, 2017, 23, 548-564.	2.1	34
8	Evaluation of PBS Treatment and PEI Coating Effects on Surface Morphology and Cellular Response of 3D-Printed Alginate Scaffolds. Journal of Functional Biomaterials, 2017, 8, 48.	4.4	21
9	Regulation of sequential release of growth factors using bilayer polymeric nanoparticles for cardiac tissue engineering. Nanomedicine, 2016, 11, 3237-3259.	3.3	33
10	Optimization of nanoparticles for cardiovascular tissue engineering. Nanotechnology, 2015, 26, 235301.	2.6	18
11	Rate-programming of nano-particulate delivery systems for smart bioactive scaffolds in tissue engineering. Nanotechnology, 2015, 26, 012001.	2.6	22
12	Engineering Angiogenesis for Myocardial Infarction Repair: Recent Developments, Challenges, and Future Directions. Cardiovascular Engineering and Technology, 2014, 5, 281-307.	1.6	12