

# Mohammad Izadifar

## List of Publications by Year in descending order

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Version: 2024-02-01

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