

Nathan Cho

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

176
citations

1307594
7
h-index

1588992
8
g-index

8
all docs

8
docs citations

8
times ranked

262
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial function in engineered cardiac tissues is regulated by extracellular matrix elasticity and tissue alignment. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 313, H757-H767.	3.2	48
2	Featured Article: TGF- β 1 dominates extracellular matrix rigidity for inducing differentiation of human cardiac fibroblasts to myofibroblasts. <i>Experimental Biology and Medicine</i> , 2018, 243, 601-612.	2.4	48
3	Engineering micromyocardium to delineate cellular and extracellular regulation of myocardial tissue contractility. <i>Integrative Biology (United Kingdom)</i> , 2017, 9, 730-741.	1.3	21
4	Microenvironmental Modulation of Calcium Wave Propagation Velocity in Engineered Cardiac Tissues. <i>Cellular and Molecular Bioengineering</i> , 2018, 11, 337-352.	2.1	21
5	Matrix-guided control of mitochondrial function in cardiac myocytes. <i>Acta Biomaterialia</i> , 2019, 97, 281-295.	8.3	11
6	Mitochondrial architecture in cardiac myocytes depends on cell shape and matrix rigidity. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 150, 32-43.	1.9	11
7	Regulation of calcium dynamics and propagation velocity by tissue microstructure in engineered strands of cardiac tissue. <i>Integrative Biology (United Kingdom)</i> , 2020, 12, 34-46.	1.3	9
8	Contact photolithography-free integration of patterned and semi-transparent indium tin oxide stimulation electrodes into polydimethylsiloxane-based heart-on-a-chip devices for streamlining physiological recordings. <i>Lab on A Chip</i> , 2021, 21, 674-687.	6.0	7