

Nimalan Thavandiran

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

2,068
citations

758635

12
h-index

1199166

12
g-index

13
all docs

13
docs citations

13
times ranked

2899
citing authors

#	ARTICLE	IF	CITATIONS
1	Biowire: a platform for maturation of human pluripotent stem cell-derived cardiomyocytes. <i>Nature Methods</i> , 2013, 10, 781-787.	9.0	784
2	A Microfabricated Platform to Measure and Manipulate the Mechanics of Engineered Cardiac Microtissues. <i>Tissue Engineering - Part A</i> , 2012, 18, 910-919.	1.6	355
3	Design and formulation of functional pluripotent stem cell-derived cardiac microtissues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E4698-707.	3.3	252
4	Generation of human embryonic stem cell-derived mesoderm and cardiac cells using size-specified aggregates in an oxygen-controlled bioreactor. <i>Biotechnology and Bioengineering</i> , 2009, 102, 493-507.	1.7	211
5	Microfabricated perfusable cardiac biowire: a platform that mimics native cardiac bundle. <i>Lab on a Chip</i> , 2014, 14, 869-882.	3.1	121
6	Geometric Control of Cardiomyogenic Induction in Human Pluripotent Stem Cells. <i>Tissue Engineering - Part A</i> , 2011, 17, 1901-1909.	1.6	79
7	A 96-well culture platform enables longitudinal analyses of engineered human skeletal muscle microtissue strength. <i>Scientific Reports</i> , 2020, 10, 6918.	1.6	68
8	Micro- and nanotechnology in cardiovascular tissue engineering. <i>Nanotechnology</i> , 2011, 22, 494003.	1.3	55
9	The Role of Tissue Engineering and Biomaterials in Cardiac Regenerative Medicine. <i>Canadian Journal of Cardiology</i> , 2014, 30, 1307-1322.	0.8	49
10	Topological and electrical control of cardiac differentiation and assembly. <i>Stem Cell Research and Therapy</i> , 2013, 4, 14.	2.4	36
11	Functional arrays of human pluripotent stem cell-derived cardiac microtissues. <i>Scientific Reports</i> , 2020, 10, 6919.	1.6	32
12	Engineered heart tissue enables study of residual undifferentiated embryonic stem cell activity in a cardiac environment. <i>Biotechnology and Bioengineering</i> , 2011, 108, 704-719.	1.7	22