

Nimalan Thavandiran

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

13
papers

1,670
citations

12
h-index

13
g-index

13
ext. papers

1,893
ext. citations

6.6
avg, IF

3.8
L-index

#	Paper	IF	Citations
13	Biowire: a platform for maturation of human pluripotent stem cell-derived cardiomyocytes. <i>Nature Methods</i> , 2013 , 10, 781-7	21.6	624
12	A microfabricated platform to measure and manipulate the mechanics of engineered cardiac microtissues. <i>Tissue Engineering - Part A</i> , 2012 , 18, 910-9	3.9	289
11	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	11.5	209
10	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	4.9	188
9	Microfabricated perfusable cardiac biowire: a platform that mimics native cardiac bundle. <i>Lab on a Chip</i> , 2014 , 14, 869-82	7.2	98
8	Geometric control of cardiomyogenic induction in human pluripotent stem cells. <i>Tissue Engineering - Part A</i> , 2011 , 17, 1901-9	3.9	71
7	Micro- and nanotechnology in cardiovascular tissue engineering. <i>Nanotechnology</i> , 2011 , 22, 494003	3.4	49
6	The role of tissue engineering and biomaterials in cardiac regenerative medicine. <i>Canadian Journal of Cardiology</i> , 2014 , 30, 1307-22	3.8	42
5	A 96-well culture platform enables longitudinal analyses of engineered human skeletal muscle microtissue strength. <i>Scientific Reports</i> , 2020 , 10, 6918	4.9	34
4	Topological and electrical control of cardiac differentiation and assembly. <i>Stem Cell Research and Therapy</i> , 2013 , 4, 14	8.3	29
3	Engineered heart tissue enables study of residual undifferentiated embryonic stem cell activity in a cardiac environment. <i>Biotechnology and Bioengineering</i> , 2011 , 108, 704-19	4.9	20
2	Functional arrays of human pluripotent stem cell-derived cardiac microtissues. <i>Scientific Reports</i> , 2020 , 10, 6919	4.9	14
1	Functional arrays of human pluripotent stem cell-derived cardiac microtissues		3