

Nimalan Thavandiran

List of Publications by Year in Descending Order

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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 | 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 |
| 12 | Functional arrays of human pluripotent stem cell-derived cardiac microtissues. <i>Scientific Reports</i> , 2020 , 10, 6919 | 4.9 | 14 |
| 11 | Microfabricated perfusable cardiac biowire: a platform that mimics native cardiac bundle. <i>Lab on A Chip</i> , 2014 , 14, 869-82 | 7.2 | 98 |
| 10 | The role of tissue engineering and biomaterials in cardiac regenerative medicine. <i>Canadian Journal of Cardiology</i> , 2014 , 30, 1307-22 | 3.8 | 42 |
| 9 | Topological and electrical control of cardiac differentiation and assembly. <i>Stem Cell Research and Therapy</i> , 2013 , 4, 14 | 8.3 | 29 |
| 8 | Biowire: a platform for maturation of human pluripotent stem cell-derived cardiomyocytes. <i>Nature Methods</i> , 2013 , 10, 781-7 | 21.6 | 624 |
| 7 | 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 |
| 6 | 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 |
| 5 | 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 |
| 4 | Micro- and nanotechnology in cardiovascular tissue engineering. <i>Nanotechnology</i> , 2011 , 22, 494003 | 3.4 | 49 |
| 3 | Geometric control of cardiomyogenic induction in human pluripotent stem cells. <i>Tissue Engineering - Part A</i> , 2011 , 17, 1901-9 | 3.9 | 71 |
| 2 | 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 |
| 1 | Functional arrays of human pluripotent stem cell-derived cardiac microtissues | | 3 |