

# Rohin K Iyer

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11743104/publications.pdf>

Version: 2024-02-01

14  
papers

1,030  
citations

623734

14  
h-index

1058476

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

1679  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of substrate stiffness on the phenotype of heart cells. <i>Biotechnology and Bioengineering</i> , 2010, 105, 1148-1160.	3.3	307
2	Pulsatile perfusion bioreactor for cardiac tissue engineering. <i>Biotechnology Progress</i> , 2008, 24, 907-920.	2.6	95
3	Biphasic Electrical Field Stimulation Aids in Tissue Engineering of Multicell-Type Cardiac Organoids. <i>Tissue Engineering - Part A</i> , 2011, 17, 1465-1477.	3.1	86
4	Mesenchymal stem cell treatment is associated with decreased perfusate concentration of interleukin-8 during ex vivo perfusion of donor lungs after 18-hour preservation. <i>Journal of Heart and Lung Transplantation</i> , 2016, 35, 1245-1254.	0.6	85
5	Microfabricated poly(ethylene glycol) templates enable rapid screening of triculture conditions for cardiac tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 89A, 616-631.	4.0	82
6	Engineered cardiac tissues. <i>Current Opinion in Biotechnology</i> , 2011, 22, 706-714.	6.6	66
7	Mesenchymal stromal cell therapy during ex vivo lung perfusion ameliorates ischemia-reperfusion injury in lung transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2019, 38, 1214-1223.	0.6	56
8	Optical Mapping of Impulse Propagation in Engineered Cardiac Tissue. <i>Tissue Engineering - Part A</i> , 2009, 15, 851-860.	3.1	52
9	Cardiac tissue engineering: current state and perspectives. <i>Frontiers in Bioscience - Landmark</i> , 2012, 17, 1533.	3.0	47
10	Vascular Endothelial Growth Factor Secretion by Nonmyocytes Modulates Connexin-43 Levels in Cardiac Organoids. <i>Tissue Engineering - Part A</i> , 2012, 18, 1771-1783.	3.1	41
11	Spatiotemporal tracking of cells in tissue-engineered cardiac organoids. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2009, 3, 196-207.	2.7	33
12	Biofabrication enables efficient interrogation and optimization of sequential culture of endothelial cells, fibroblasts and cardiomyocytes for formation of vascular cords in cardiac tissue engineering. <i>Biofabrication</i> , 2012, 4, 035002.	7.1	30
13	Engineering surfaces for site-specific vascular differentiation of mouse embryonic stem cells. <i>Acta Biomaterialia</i> , 2010, 6, 1904-1916.	8.3	26
14	Synthetic Oxygen Carriers in Cardiac Tissue Engineering. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2007, 35, 135-148.	0.9	24