

Meredith A Roberts

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

698
citations

687363

13
h-index

940533

16
g-index

19
all docs

19
docs citations

19
times ranked

1278
citing authors

#	ARTICLE	IF	CITATIONS
1	Generating high-purity cardiac and endothelial derivatives from patterned mesoderm using human pluripotent stem cells. <i>Nature Protocols</i> , 2017, 12, 15-31.	12.0	158
2	Patterned human microvascular grafts enable rapid vascularization and increase perfusion in infarcted rat hearts. <i>Nature Communications</i> , 2019, 10, 584.	12.8	100
3	SCFSlimb ubiquitin ligase suppresses condensin II-mediated nuclear reorganization by degrading Cap-H2. <i>Journal of Cell Biology</i> , 2013, 201, 49-63.	5.2	68
4	Inhibition of β -catenin signaling respecifies anterior-like endothelium into beating human cardiomyocytes. <i>Development (Cambridge)</i> , 2015, 142, 3198-209.	2.5	64
5	Chromatin and Transcriptional Analysis of Mesoderm Progenitor Cells Identifies HOPX as a Regulator of Primitive Hematopoiesis. <i>Cell Reports</i> , 2017, 20, 1597-1608.	6.4	50
6	Therapeutic Inhibition of Acid-Sensing Ion Channel 1a Recovers Heart Function After Ischemia-Induced Reperfusion Injury. <i>Circulation</i> , 2021, 144, 947-960.	1.6	40
7	Stromal Cells in Dense Collagen Promote Cardiomyocyte and Microvascular Patterning in Engineered Human Heart Tissue. <i>Tissue Engineering - Part A</i> , 2016, 22, 633-644.	3.1	39
8	Engineering a multicellular vascular niche to model hematopoietic cell trafficking. <i>Stem Cell Research and Therapy</i> , 2018, 9, 77.	5.5	35
9	Maintenance of Interphase Chromosome Compaction and Homolog Pairing in <i>Drosophila</i> Is Regulated by the Condensin Cap-H2 and Its Partner Mrg15. <i>Genetics</i> , 2013, 195, 127-146.	2.9	34
10	Administration of mesenchymal stem cells during ECMO results in a rapid decline in oxygenator performance. <i>Thorax</i> , 2019, 74, 194-196.	5.6	27
11	Combined Mesenchymal Stromal Cell Therapy and Extracorporeal Membrane Oxygenation in Acute Respiratory Distress Syndrome. A Randomized Controlled Trial in Sheep. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 383-392.	5.6	27
12	Mesenchymal stem cells may ameliorate inflammation in an ex vivo model of extracorporeal membrane oxygenation. <i>Perfusion (United Kingdom)</i> , 2019, 34, 15-21.	1.0	16
13	Scalable vascularized implants. <i>Nature Materials</i> , 2016, 15, 597-599.	27.5	14
14	Depth-resolved 3D visualization of coronary microvasculature with optical microangiography. <i>Physics in Medicine and Biology</i> , 2016, 61, 7536-7550.	3.0	11
15	Micropatterning and Assembly of 3D Microvessels. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	11
16	A meta-analysis on the role of pre-existing chronic disease in the cardiac complications of SARS-CoV-2 infection. <i>IScience</i> , 2021, 24, 102264.	4.1	3
17	Monocyte and Fibroblast Directed Generation of a Marrow Vascular Niche. <i>Blood</i> , 2015, 126, 3602-3602.	1.4	0
18	Temporal perturbation of histone deacetylase activity reveals a requirement for HDAC1 ³ in mesendoderm cell differentiation. <i>Cell Reports</i> , 2022, 39, 110818.	6.4	0