

Matthew J Birket

List of Publications by Year in descending order

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16
papers

1,978
citations

687363

13
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996975

15
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docs citations

16
times ranked

3684
citing authors

#	ARTICLE	IF	CITATIONS
1	Generation of three human induced pluripotent stem cell lines, LUMCi024-A, LUMCi025-A, and LUMCi026-A, from two patients with combined oxidative phosphorylation deficiency 8 and a related control. <i>Stem Cell Research</i> , 2021, 53, 102374.	0.7	1
2	Expandable human cardiovascular progenitors from stem cells for regenerating mouse heart after myocardial infarction. <i>Cardiovascular Research</i> , 2020, 116, 545-553.	3.8	10
3	Dynamic changes in the epigenomic landscape regulate human organogenesis and link to developmental disorders. <i>Nature Communications</i> , 2020, 11, 3920.	12.8	17
4	A Human Stem Cell Model of Fabry Disease Implicates LIMP-2 Accumulation in Cardiomyocyte Pathology. <i>Stem Cell Reports</i> , 2019, 13, 380-393.	4.8	48
5	Pluripotent stem cell derived cardiovascular progenitors – A developmental perspective. <i>Developmental Biology</i> , 2015, 400, 169-179.	2.0	45
6	Expansion and patterning of cardiovascular progenitors derived from human pluripotent stem cells. <i>Nature Biotechnology</i> , 2015, 33, 970-979.	17.5	165
7	Contractile Defect Caused by Mutation in MYBPC3 Revealed under Conditions Optimized for Human PSC-Cardiomyocyte Function. <i>Cell Reports</i> , 2015, 13, 733-745.	6.4	167
8	Serum supplemented culture medium masks hypertrophic phenotypes in human pluripotent stem cell derived cardiomyocytes. <i>Journal of Cellular and Molecular Medicine</i> , 2014, 18, 1509-1518.	3.6	60
9	PGC-1 α and Reactive Oxygen Species Regulate Human Embryonic Stem Cell-Derived Cardiomyocyte Function. <i>Stem Cell Reports</i> , 2013, 1, 560-574.	4.8	59
10	Quantitative measurement of mitochondrial membrane potential in cultured cells: calcium-induced de $\Delta\psi$ and hyperpolarization of neuronal mitochondria. <i>Journal of Physiology</i> , 2012, 590, 2845-2871.	2.9	172
11	Time Lapse Measurement of Mitochondrial Membrane Potential in Absolute Millivolts in Single Intact Cells. <i>FASEB Journal</i> , 2012, 26, 887.11.	0.5	0
12	A reduction in ATP demand and mitochondrial activity with neural differentiation of human embryonic stem cells. <i>Journal of Cell Science</i> , 2011, 124, 348-358.	2.0	151
13	The Relationship between the Aging- and Photo-Dependent T414G Mitochondrial DNA Mutation with Cellular Senescence and Reactive Oxygen Species Production in Cultured Skin Fibroblasts. <i>Journal of Investigative Dermatology</i> , 2009, 129, 1361-1366.	0.7	24
14	Telomerase does not counteract telomere shortening but protects mitochondrial function under oxidative stress. <i>Journal of Cell Science</i> , 2008, 121, 1046-1053.	2.0	399
15	Mitochondrial Dysfunction Accounts for the Stochastic Heterogeneity in Telomere-Dependent Senescence. <i>PLoS Biology</i> , 2007, 5, e110.	5.6	612
16	Ultraviolet radiation exposure accelerates the accumulation of the aging-dependent T414G mitochondrial DNA mutation in human skin. <i>Aging Cell</i> , 2007, 6, 557-564.	6.7	48