Matthew J Birket

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5260558/publications.pdf

Version: 2024-02-01

16 papers	1,978 citations	687363 13 h-index	996975 15 g-index
16 all docs	16 docs citations	16 times ranked	3684 citing authors

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