James G W Smith

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7385471/publications.pdf

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17	935	840776 11	996975 15
papers	citations	h-index	g-index

17	17	17	1760
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cardiomyocytes from human pluripotent stem cells: From laboratory curiosity to industrial biomedical platform. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 1728-1748.	4.1	235
2	CRISPR/Cas9 editing in human pluripotent stem cell-cardiomyocytes highlights arrhythmias, hypocontractility, and energy depletion as potential therapeutic targets for hypertrophic cardiomyopathy. European Heart Journal, 2018, 39, 3879-3892.	2.2	176
3	Materials for stem cell factories of the future. Nature Materials, 2014, 13, 570-579.	27.5	145
4	ROS-mediated PI3K activation drives mitochondrial transfer from stromal cells to hematopoietic stem cells in response to infection. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24610-24619.	7.1	82
5	Discovery of a Novel Polymer for Human Pluripotent Stem Cell Expansion and Multilineage Differentiation. Advanced Materials, 2015, 27, 4006-4012.	21.0	75
6	Isogenic Pairs of hiPSC-CMs with Hypertrophic Cardiomyopathy/LVNC-Associated ACTC1 E99K Mutation Unveil Differential Functional Deficits. Stem Cell Reports, 2018, 11, 1226-1243.	4.8	51
7	Modeling Hypertrophic Cardiomyopathy: Mechanistic Insights and Pharmacological Intervention. Trends in Molecular Medicine, 2019, 25, 775-790.	6.7	39
8	Isogenic models of hypertrophic cardiomyopathy unveil differential phenotypes and mechanism-driven therapeutics. Journal of Molecular and Cellular Cardiology, 2020, 145, 43-53.	1.9	37
9	Simplified Footprint-Free Cas9/CRISPR Editing of Cardiac-Associated Genes in Human Pluripotent Stem Cells. Stem Cells and Development, 2018, 27, 391-404.	2.1	24
10	Identification of polymer surface adsorbed proteins implicated in pluripotent human embryonic stem cell expansion. Biomaterials Science, 2016, 4, 1381-1391.	5.4	19
11	Variable expression and silencing of CRISPR-Cas9 targeted transgenes identifies the AAVS1 locus as not an entirely safe harbour. F1000Research, 2019, 8, 1911.	1.6	16
12	Transcriptomic Analysis of Cardiomyocyte Extracellular Vesicles in Hypertrophic Cardiomyopathy Reveals Differential snoRNA Cargo. Stem Cells and Development, 2021, 30, 1215-1227.	2.1	14
13	Mitochondrial DNA: Hotspot for Potential Gene Modifiers Regulating Hypertrophic Cardiomyopathy. Journal of Clinical Medicine, 2020, 9, 2349.	2.4	8
14	Modelling Metabolic Shifts during Cardiomyocyte Differentiation, Iron Deficiency and Transferrin Rescue Using Human Pluripotent Stem Cells. Metabolites, 2022, 12, 9.	2.9	7
15	Scaling human pluripotent stem cell expansion and differentiation: are cell factories becoming a reality?. Regenerative Medicine, 2015, 10, 925-930.	1.7	6
16	Quantifiable correlation of ToFâ€SIMS and XPS data from polymer surfaces with controlled amino acid and peptide content. Surface and Interface Analysis, 0, , .	1.8	1
17	BCL-Xl Driven Accumulation of Dysfunctional Mitochondria in Aged Stromal Cells Impairs the Haematopoietic Stem Cell Response to Stress. Blood, 2021, 138, 1097-1097.	1.4	0