

Katrin Streckfuss-BÃ¶hmeke

List of Publications by Year in descending order

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43
papers

1,811
citations

331670

21
h-index

289244

40
g-index

46
all docs

46
docs citations

46
times ranked

3191
citing authors

#	ARTICLE	IF	CITATIONS
1	SLM2 Is A Novel Cardiac Splicing Factor Involved in Heart Failure due to Dilated Cardiomyopathy. Genomics, Proteomics and Bioinformatics, 2022, 20, 129-146.	6.9	4
2	A roadmap for the characterization of energy metabolism in human cardiomyocytes derived from induced pluripotent stem cells. Journal of Molecular and Cellular Cardiology, 2022, 164, 136-147.	1.9	16
3	A quantitative RT-PCR protocol to adapt and quantify RBM20-dependent exon splicing of targets at the human locus. STAR Protocols, 2022, 3, 101117.	1.2	0
4	Generation of homozygous Nav1.8 knock-out iPSC lines by CRISPR Cas9 genome editing to investigate a potential new antiarrhythmic strategy. Stem Cell Research, 2022, 60, 102677.	0.7	1
5	Doxorubicin induces cardiotoxicity in a pluripotent stem cell model of aggressive B cell lymphoma cancer patients. Basic Research in Cardiology, 2022, 117, 13.	5.9	10
6	Effects of Atrial Fibrillation on the Human Ventricle. Circulation Research, 2022, 130, 994-1010.	4.5	32
7	Telomerase therapy attenuates cardiotoxic effects of doxorubicin. Molecular Therapy, 2021, 29, 1395-1410.	8.2	31
8	Generation and cardiac differentiation of an induced pluripotent stem cell line from a patient with arrhythmia-induced cardiomyopathy. Stem Cell Research, 2021, 53, 102263.	0.7	0
9	Cardiomyocyte protein O-GlcNAcylation is regulated by GFAT1 not GFAT2. Biochemical and Biophysical Research Communications, 2021, 583, 121-127.	2.1	11
10	Pluripotent Stem Cell-Derived Mesenchymal Stem Cells Show Comparable Functionality to Their Autologous Origin. Cells, 2021, 10, 33.	4.1	8
11	Truncated titin proteins and titin haploinsufficiency are targets for functional recovery in human cardiomyopathy due to <i>TTN</i> mutations. Science Translational Medicine, 2021, 13, eabd3079.	12.4	59
12	Detrimental proarrhythmic interaction of Ca ²⁺ /calmodulin-dependent protein kinase II and NaV1.8 in heart failure. Nature Communications, 2021, 12, 6586.	12.8	13
13	Identification of SCN5a p.C335R Variant in a Large Family with Dilated Cardiomyopathy and Conduction Disease. International Journal of Molecular Sciences, 2021, 22, 12990.	4.1	16
14	Long-term effects of empagliflozin on excitation-contraction-coupling in human induced pluripotent stem cell cardiomyocytes. Journal of Molecular Medicine, 2020, 98, 1689-1700.	3.9	10
15	Generation of pluripotent stem cell lines and CRISPR/Cas9 modified isogenic controls from a patient with dilated cardiomyopathy harboring a RBM20 p.R634W mutation. Stem Cell Research, 2020, 47, 101901.	0.7	10
16	Dysferlin links excitation-contraction coupling to structure and maintenance of the cardiac transverse-axial tubule system. Europeace, 2020, 22, 1119-1131.	1.7	6
17	Non-Human Primate iPSC Generation, Cultivation, and Cardiac Differentiation under Chemically Defined Conditions. Cells, 2020, 9, 1349.	4.1	22
18	Inhibition of NaV1.8 prevents atrial arrhythmogenesis in human and mice. Basic Research in Cardiology, 2020, 115, 20.	5.9	28

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19	Generation of iPSC-lines from two independent Takotsubo syndrome patients with recurrent Takotsubo events. <i>Stem Cell Research</i> , 2020, 44, 101746.	0.7	2
20	Nox4 regulates InsP ₃ receptor α -dependent Ca ²⁺ release into mitochondria to promote cell survival. <i>EMBO Journal</i> , 2020, 39, e103530.	7.8	49
21	A High-Throughput Method as a Diagnostic Tool for HIV Detection in Patient-Specific Induced Pluripotent Stem Cells Generated by Different Reprogramming Methods. <i>Stem Cells International</i> , 2019, 2019, 1-11.	2.5	4
22	Radiation α -induced sensitivity of tissue α -resident mesenchymal stem cells in the head and neck region. <i>Head and Neck</i> , 2019, 41, 2892-2903.	2.0	3
23	miR-212/132 Cluster Modulation Prevents Doxorubicin-Mediated Atrophy and Cardiotoxicity. <i>Molecular Therapy</i> , 2019, 27, 17-28.	8.2	38
24	The functional consequences of sodium channel Na _V 1.8 in human left ventricular hypertrophy. <i>ESC Heart Failure</i> , 2019, 6, 154-163.	3.1	25
25	Quaking Inhibits Doxorubicin-Mediated Cardiotoxicity Through Regulation of Cardiac Circular RNA Expression. <i>Circulation Research</i> , 2018, 122, 246-254.	4.5	174
26	Clinical nuclear medicine tracers: Easy metabolic assays in stem cell research and cardiac disease?. <i>International Journal of Cardiology</i> , 2018, 269, 272-273.	1.7	0
27	Empagliflozin directly improves diastolic function in human heart failure. <i>European Journal of Heart Failure</i> , 2018, 20, 1690-1700.	7.1	165
28	Differential regulation of sodium channels as a novel proarrhythmic mechanism in the human failing heart. <i>Cardiovascular Research</i> , 2018, 114, 1728-1737.	3.8	36
29	Severe DCM phenotype of patient harboring RBM20 mutation S635A can be modeled by patient-specific induced pluripotent stem cell-derived cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 113, 9-21.	1.9	84
30	Clinical genetics and outcome of left ventricular non-compaction cardiomyopathy. <i>European Heart Journal</i> , 2017, 38, 3449-3460.	2.2	168
31	Generation of a KLF15 homozygous knockout human embryonic stem cell line using paired CRISPR/Cas9n, and human cardiomyocytes derivation. <i>Stem Cell Research</i> , 2017, 23, 127-131.	0.7	6
32	Catecholamine-Dependent β -Adrenergic Signaling in a Pluripotent Stem Cell Model of Takotsubo Cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2017, 70, 975-991.	2.8	124
33	Human Induced Pluripotent Stem Cells Are Targets for Allogeneic and Autologous Natural Killer (NK) Cells and Killing Is Partly Mediated by the Activating NK Receptor DNAM-1. <i>PLoS ONE</i> , 2015, 10, e0125544.	2.5	48
34	Sensing Cardiac Electrical Activity With a Cardiac Myocyte α -Targeted Optogenetic Voltage Indicator. <i>Circulation Research</i> , 2015, 117, 401-412.	4.5	57
35	Ca ²⁺ /calmodulin α -dependent protein kinase β equally induces sarcoplasmic reticulum Ca ²⁺ leak in human ischaemic and dilated cardiomyopathy. <i>European Journal of Heart Failure</i> , 2014, 16, 1292-1300.	7.1	57
36	Efficient Generation of Hepatic Cells from Multipotent Adult Mouse Germ-Line Stem Cells Using an OP9 Co-Culture System. <i>Cellular Reprogramming</i> , 2014, 16, 65-76.	0.9	9

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37	Comparative study of human-induced pluripotent stem cells derived from bone marrow cells, hair keratinocytes, and skin fibroblasts. <i>European Heart Journal</i> , 2013, 34, 2618-2629.	2.2	144
38	Cardiolipin deficiency affects respiratory chain function and organization in an induced pluripotent stem cell model of Barth syndrome. <i>Stem Cell Research</i> , 2013, 11, 806-819.	0.7	140
39	A Feedback Circuit between Transcriptional Activation and Self-Destruction of Gcn4 Separates Its Metabolic and Morphogenic Response in Diploid Yeasts. <i>Journal of Molecular Biology</i> , 2011, 405, 909-925.	4.2	8
40	Pluripotent stem cells are highly susceptible targets for syngeneic, allogeneic, and xenogeneic natural killer cells. <i>FASEB Journal</i> , 2010, 24, 2164-2177.	0.5	90
41	Degradation of <i>Saccharomyces cerevisiae</i> Transcription Factor Gcn4 Requires a C-Terminal Nuclear Localization Signal in the Cyclin Pcl5. <i>Eukaryotic Cell</i> , 2009, 8, 496-510.	3.4	9
42	Generation of functional neurons and glia from multipotent adult mouse germ-line stem cells. <i>Stem Cell Research</i> , 2009, 2, 139-154.	0.7	41
43	The <i>Saccharomyces</i> Homolog of Mammalian RACK1, Cpc2/Asc1p, Is Required for FLO11-dependent Adhesive Growth and Dimorphism. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 1968-1979.	3.8	53