

Atsushi Nakano

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

2,159
citations

471509

17
h-index

610901

24
g-index

31
all docs

31
docs citations

31
times ranked

3660
citing authors

#	ARTICLE	IF	CITATIONS
1	Multipotent Embryonic Isl1+ Progenitor Cells Lead to Cardiac, Smooth Muscle, and Endothelial Cell Diversification. <i>Cell</i> , 2006, 127, 1151-1165.	28.9	944
2	A Single CRISPR-Cas9 Deletion Strategy that Targets the Majority of DMD Patients Restores Dystrophin Function in hiPSC-Derived Muscle Cells. <i>Cell Stem Cell</i> , 2016, 18, 533-540.	11.1	307
3	Glucose inhibits cardiac muscle maturation through nucleotide biosynthesis. <i>ELife</i> , 2017, 6, .	6.0	142
4	Haemogenic endocardium contributes to transient definitive haematopoiesis. <i>Nature Communications</i> , 2013, 4, 1564.	12.8	119
5	Mitochondrial Ca ²⁺ uptake by the voltage-dependent anion channel 2 regulates cardiac rhythmicity. <i>ELife</i> , 2015, 4, .	6.0	67
6	Endocardially Derived Macrophages Are Essential for Valvular Remodeling. <i>Developmental Cell</i> , 2019, 48, 617-630.e3.	7.0	61
7	Rigid microenvironments promote cardiac differentiation of mouse and human embryonic stem cells. <i>Science and Technology of Advanced Materials</i> , 2013, 14, 025003.	6.1	60
8	Nkx2-5 Suppresses the Proliferation of Atrial Myocytes and Conduction System. <i>Circulation Research</i> , 2014, 114, 1103-1113.	4.5	50
9	Flow-induced protein kinase Aâ€‘CREB pathway acts via BMP signaling to promote HSC emergence. <i>Journal of Experimental Medicine</i> , 2015, 212, 633-648.	8.5	47
10	Nkx2â€‘5 lineage tracing visualizes the distribution of second heart fieldâ€‘derived aortic smooth muscle. <i>Genesis</i> , 2013, 51, 862-869.	1.6	45
11	Light-sheet fluorescence imaging to localize cardiac lineage and protein distribution. <i>Scientific Reports</i> , 2017, 7, 42209.	3.3	41
12	Simplified three-dimensional tissue clearing and incorporation of colorimetric phenotyping. <i>Scientific Reports</i> , 2016, 6, 30736.	3.3	38
13	Two dimensional electrophysiological characterization of human pluripotent stem cell-derived cardiomyocyte system. <i>Scientific Reports</i> , 2017, 7, 43210.	3.3	35
14	The developmental origins and lineage contributions of endocardial endothelium. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 1937-1947.	4.1	29
15	Atrial GIRK Channels Mediate the Effects of Vagus Nerve Stimulation on Heart Rate Dynamics and Arrhythmogenesis. <i>Frontiers in Physiology</i> , 2018, 9, 943.	2.8	25
16	GLUT1 overexpression enhances glucose metabolism and promotes neonatal heart regeneration. <i>Scientific Reports</i> , 2021, 11, 8669.	3.3	25
17	TRIM28-Regulated Transposon Repression Is Required for Human Germline Competency and Not Primed or Naive Human Pluripotency. <i>Stem Cell Reports</i> , 2018, 10, 243-256.	4.8	23
18	Cardiac origin of smooth muscle cells in the inflow tract. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 50, 337-345.	1.9	21

#	ARTICLE	IF	CITATIONS
19	Expression and relevance of the G protein-gated K ⁺ channel in the mouse ventricle. <i>Scientific Reports</i> , 2018, 8, 1192.	3.3	19
20	GPCR-dependent biasing of GIRK channel signaling dynamics by RGS6 in mouse sinoatrial nodal cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14522-14531.	7.1	17
21	Hematopoietic progenitors are required for proper development of coronary vasculature. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 86, 199-207.	1.9	15
22	The role of glucose in physiological and pathological heart formation. <i>Developmental Biology</i> , 2021, 475, 222-233.	2.0	11
23	Heterozygous deletion of sarcolipin maintains normal cardiac function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H92-H103.	3.2	8
24	Recessive ciliopathy mutations in primary endocardial fibroelastosis: a rare neonatal cardiomyopathy in a case of Alstrom syndrome. <i>Journal of Molecular Medicine</i> , 2021, 99, 1623-1638.	3.9	4
25	Pacemaker translocations and power laws in 2D stem cell-derived cardiomyocyte cultures. <i>PLoS ONE</i> , 2022, 17, e0263976.	2.5	2
26	Cardio PyMEA: A user-friendly, open-source Python application for cardiomyocyte microelectrode array analysis. <i>PLoS ONE</i> , 2022, 17, e0266647.	2.5	1
27	Abstract 15: Global RNA Splicing Regulation in Cardiac Maturation. <i>Circulation Research</i> , 2015, 117, .	4.5	0