

Chen-Leng Cai

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

5,131
citations

331670

21
h-index

345221

36
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docs citations

37
times ranked

5427
citing authors

#	ARTICLE	IF	CITATIONS
1	MiR-150 Attenuates Maladaptive Cardiac Remodeling Mediated by Long Noncoding RNA MIAT and Directly Represses Profibrotic <i>Hoxa4</i> . <i>Circulation: Heart Failure</i> , 2022, 15, CIRCHEARTFAILURE121008686.	3.9	17
2	Generation of the organotypic kidney structure by integrating pluripotent stem cell-derived renal stroma. <i>Nature Communications</i> , 2022, 13, 611.	12.8	29
3	Gene editing reverses arrhythmia susceptibility in humanized PLN-R14del mice: modelling a European cardiomyopathy with global impact. <i>Cardiovascular Research</i> , 2022, 118, 3140-3150.	3.8	23
4	Activation of iNKT Cells at the Maternal-Fetal Interface Predisposes Offspring to Cardiac Injury. <i>Circulation</i> , 2022, 145, 1032-1035.	1.6	3
5	Epicardial HDAC3 Promotes Myocardial Growth Through a Novel MicroRNA Pathway. <i>Circulation Research</i> , 2022, 131, 151-164.	4.5	11
6	Meteorin-like promotes heart repair through endothelial KIT receptor tyrosine kinase. <i>Science</i> , 2022, 376, 1343-1347.	12.6	34
7	QKI is a critical pre-mRNA alternative splicing regulator of cardiac myofibrillogenesis and contractile function. <i>Nature Communications</i> , 2021, 12, 89.	12.8	47
8	Novel <i>Myh11</i> Dual Reporter Mouse Model Provides Definitive Labeling and Identification of Smooth Muscle Cells. Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 815-821.	2.4	6
9	Arrhythmia Mechanism and Dynamics in a Humanized Mouse Model of Inherited Cardiomyopathy Caused by Phospholamban R14del Mutation. <i>Circulation</i> , 2021, 144, 441-454.	1.6	10
10	Single cell multi-omic analysis identifies a <i>Tbx1</i> -dependent multilineage primed population in murine cardiopharyngeal mesoderm. <i>Nature Communications</i> , 2021, 12, 6645.	12.8	31
11	Generation of <i>Pecam1</i> endothelial specific dual reporter mouse model. <i>Genesis</i> , 2020, 58, e23384.	1.6	0
12	<i>Pkm2</i> Regulates Cardiomyocyte Cell Cycle and Promotes Cardiac Regeneration. <i>Circulation</i> , 2020, 141, 1249-1265.	1.6	147
13	<i>Nkx2-5</i> defines a subpopulation of pacemaker cells and is essential for the physiological function of the sinoatrial node in mice. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	23
14	Limited Regeneration Potential with Minimal Epicardial Progenitor Conversions in the Neonatal Mouse Heart after Injury. <i>Cell Reports</i> , 2019, 28, 190-201.e3.	6.4	23
15	A <i>Gata4</i> nuclear GFP transcriptional reporter to study endoderm and cardiac development in the mouse. <i>Biology Open</i> , 2018, 7, .	1.2	15
16	Cardiac Sca-1 ⁺ Cells Are Not Intrinsic Stem Cells for Myocardial Development, Renewal, and Repair. <i>Circulation</i> , 2018, 138, 2919-2930.	1.6	37
17	<i>Smad4</i> deficiency impairs chondrocyte hypertrophy via the <i>Runx2</i> transcription factor in mouse skeletal development. <i>Journal of Biological Chemistry</i> , 2018, 293, 9162-9175.	3.4	30
18	Myocardial-specific R-spondin3 drives proliferation of the coronary stems primarily through the Leucine Rich Repeat G Protein coupled receptor LGR4. <i>Developmental Biology</i> , 2018, 441, 42-51.	2.0	11

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19	The Elusive Progenitor Cell in Cardiac Regeneration. <i>Circulation Research</i> , 2017, 120, 400-406.	4.5	73
20	Reduced dosage of β -catenin provides significant rescue of cardiac outflow tract anomalies in a <i>Tbx1</i> conditional null mouse model of 22q11.2 deletion syndrome. <i>PLoS Genetics</i> , 2017, 13, e1006687.	3.5	27
21	A series of robust genetic indicators for definitive identification of cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 97, 278-285.	1.9	12
22	A unique stylopod patterning mechanism by <i>Shox2</i> controlled osteogenesis. <i>Development (Cambridge)</i> , 2016, 143, 2548-60.	2.5	15
23	Generation of a tamoxifen inducible <i>Tnnt2</i> ^{<i>MerCreMer</i>} knock-in mouse model for cardiac studies. <i>Genesis</i> , 2015, 53, 377-386.	1.6	9
24	Resident c-kit+ cells in the heart are not cardiac stem cells. <i>Nature Communications</i> , 2015, 6, 8701.	12.8	268
25	A Murine <i>Myh6MerCreMer</i> Knock-In Allele Specifically Mediates Temporal Genetic Deletion in Cardiomyocytes after Tamoxifen Induction. <i>PLoS ONE</i> , 2015, 10, e0133472.	2.5	7
26	<i>Yap1</i> Is Required for Endothelial to Mesenchymal Transition of the Atrioventricular Cushion. <i>Journal of Biological Chemistry</i> , 2014, 289, 18681-18692.	3.4	136
27	<i>Baf250a</i> orchestrates an epigenetic pathway to repress the <i>Nkx2.5</i> -directed contractile cardiomyocyte program in the sinoatrial node. <i>Cell Research</i> , 2014, 24, 1201-1213.	12.0	33
28	Mesodermal <i>Nkx2.5</i> is necessary and sufficient for early second heart field development. <i>Developmental Biology</i> , 2014, 390, 68-79.	2.0	62
29	<i>Smad4</i> Regulates Ureteral Smooth Muscle Cell Differentiation during Mouse Embryogenesis. <i>PLoS ONE</i> , 2014, 9, e104503.	2.5	15
30	<i>Tbx18</i> Targets Dermal Condensates for Labeling, Isolation, and Gene Ablation during Embryonic Hair Follicle Formation. <i>Journal of Investigative Dermatology</i> , 2013, 133, 344-353.	0.7	49
31	<i>Tbx20</i> acts upstream of Wnt signaling to regulate endocardial cushion formation and valve remodeling during mouse cardiogenesis. <i>Development (Cambridge)</i> , 2013, 140, 3176-3187.	2.5	77
32	Cai et al. reply. <i>Nature</i> , 2009, 458, E9-E10.	27.8	22
33	A myocardial lineage derives from <i>Tbx18</i> epicardial cells. <i>Nature</i> , 2008, 454, 104-108.	27.8	712
34	<i>Isl1Cre</i> reveals a common Bmp pathway in heart and limb development. <i>Development (Cambridge)</i> , 2006, 133, 1575-1585.	2.5	234
35	Postnatal <i>Isl1</i> + cardioblasts enter fully differentiated cardiomyocyte lineages. <i>Nature</i> , 2005, 433, 647-653.	27.8	1,229
36	T-box genes coordinate regional rates of proliferation and regional specification during cardiogenesis. <i>Development (Cambridge)</i> , 2005, 132, 2475-2487.	2.5	221

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37	Isl1 Identifies a Cardiac Progenitor Population that Proliferates Prior to Differentiation and Contributes a Majority of Cells to the Heart. <i>Developmental Cell</i> , 2003, 5, 877-889.	7.0	1,433