Yu Nie

List of Publications by Year
in descending order

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62 papers	2,515 citations	236612 25 h-index	205818 48 g-index
64 all docs	64 docs citations	64 times ranked	3940 citing authors

#	Article	IF	Citations
1	Micro<scp>RNA</scp>â€24 regulates cardiac fibrosis after myocardial infarction. Journal of Cellular and Molecular Medicine, 2012, 16, 2150-2160.	1.6	241
2	Lung regeneration by multipotent stem cells residing at the bronchioalveolar-duct junction. Nature Genetics, 2019, 51, 728-738.	9.4	231
3	Enhancing the precision of genetic lineage tracing using dual recombinases. Nature Medicine, 2017, 23, 1488-1498.	15.2	188
4	Preexisting endothelial cells mediate cardiac neovascularization after injury. Journal of Clinical Investigation, 2017, 127, 2968-2981.	3.9	146
5	Acute inflammation stimulates a regenerative response in the neonatal mouse heart. Cell Research, 2015, 25, 1137-1151.	5.7	123
6	Genetic lineage tracing identifies in situ Kit-expressing cardiomyocytes. Cell Research, 2016, 26, 119-130.	5.7	122
7	Arterial Sca1+ Vascular Stem Cells Generate De Novo Smooth Muscle for Artery Repair and Regeneration. Cell Stem Cell, 2020, 26, 81-96.e4.	5.2	98
8	Identification of MicroRNAs Involved in Hypoxia- and Serum Deprivation-Induced Apoptosis in Mesenchymal Stem Cells. International Journal of Biological Sciences, 2011, 7, 762-768.	2.6	96
9	Mfsd2a+ hepatocytes repopulate the liver during injury and regeneration. Nature Communications, 2016, 7, 13369.	5.8	87
10	gp130 Controls Cardiomyocyte Proliferation and Heart Regeneration. Circulation, 2020, 142, 967-982.	1.6	86
11	GATA4 regulates Fgf16 to promote heart repair after injury. Development (Cambridge), 2016, 143, 936-49.	1.2	79
12	MicroRNA-193 Pro-Proliferation Effects for Bone Mesenchymal Stem Cells After Low-Level Laser Irradiation Treatment Through Inhibitor of Growth Family, Member 5. Stem Cells and Development, 2012, 21, 2508-2519.	1.1	68
13	Identification of a hybrid myocardial zone in the mammalian heart after birth. Nature Communications, 2017, 8, 87.	5.8	67
14	Multi-Investigator Letter on Reproducibility of Neonatal Heart Regeneration following Apical Resection. Stem Cell Reports, 2014, 3, 1.	2.3	65
15	MicroRNA profiling during rat ventricular maturation: A role for miRâ€29a in regulating cardiomyocyte cell cycle reâ€entry. FEBS Letters, 2013, 587, 1548-1555.	1.3	58
16	Mydgf promotes Cardiomyocyte proliferation and Neonatal Heart regeneration. Theranostics, 2020, 10, 9100-9112.	4.6	50
17	Extracellular matrixâ€“based biomaterials for cardiac regeneration and repair. Heart Failure Reviews, 2021, 26, 1231-1248.	1.7	48
18	A long noncoding RNA NR_045363 controls cardiomyocyte proliferation and cardiac repair. Journal of Molecular and Cellular Cardiology, 2019, 127, 105-114.	0.9	47

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19	PDGFR-Î² Signaling Regulates Cardiomyocyte Proliferation and Myocardial Regeneration. Cell Reports, 2019, 28, 966-978.e4.	2.9	44
20	Genome and epigenome analysis of monozygotic twins discordant for congenital heart disease. BMC Genomics, 2018, 19, 428.	1.2	43
21	Endocardium Contributes to Cardiac Fat. Circulation Research, 2016, 118, 254-265.	2.0	42
22	Fate Mapping of Sca1 + Cardiac Progenitor Cells in the Adult Mouse Heart. Circulation, 2018, 138, 2967-2969.	1.6	42
23	Circulating miRNAs reflect early myocardial injury and recovery after heart transplantation. Journal of Cardiothoracic Surgery, 2013, 8, 165.	0.4	41
24	Reassessment of c-Kit ⁺ Cells for Cardiomyocyte Contribution in Adult Heart. Circulation, 2019, 140, 164-166.	1.6	40
25	LncRNA LncHrt preserves cardiac metabolic homeostasis and heart function by modulating the LKB1-AMPK signaling pathway. Basic Research in Cardiology, 2021, 116, 48.	2.5	27
26	Methylenetetrahydrofolate reductase C677T and reduced folate carrier 80 G>A polymorphisms are associated with an increased risk of conotruncal heart defects. Clinical Chemistry and Laboratory Medicine, 2012, 50, 1455-61.	1.4	25
27	Transplantation of murine neonatal cardiac macrophage improves adult cardiac repair. Cellular and Molecular Immunology, 2021, 18, 492-494.	4.8	25
28	Methylenetetrahydrofolate reductase C677T polymorphism and congenital heart disease: a meta-analysis. Clinical Chemistry and Laboratory Medicine, 2011, 49, 2101-8.	1.4	21
29	Reciprocal regulation of miR-23a and lysophosphatidic acid receptor signaling in cardiomyocyte hypertrophy. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 1386-1394.	1.2	20
30	Filamin C in cardiomyopathy: from physiological roles to DNA variants. Heart Failure Reviews, 2022, 27, 1373-1385.	1.7	20
31	Achieving highly water-soluble and luminescent gold nanoclusters modified by Î²â€“cyclodextrin as multifunctional nanoprobe for biological applications. Dyes and Pigments, 2018, 157, 359-368.	2.0	18
32	Hydrogen Sulfide Promotes Cardiomyocyte Proliferation and Heart Regeneration via ROS Scavenging. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-11.	1.9	18
33	Optimized Langendorff perfusion system for cardiomyocyte isolation in adult mouse heart. Journal of Cellular and Molecular Medicine, 2020, 24, 14619-14625.	1.6	16
34	Histopathologic features of alcoholic cardiomyopathy compared with idiopathic dilated cardiomyopathy. Medicine (United States), 2018, 97, e12259.	0.4	15
35	Polymorphisms of VEGF, TGFÎ²1, TGFÎ²R2 and conotruncal heart defects in a Chinese population. Molecular Biology Reports, 2014, 41, 1763-1770.	1.0	14
36	Elevated IgE promotes cardiac fibrosis by suppressing miR-486a-5p. Theranostics, 2021, 11, 7600-7615.	4.6	13

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37	Developmental changes in lysophospholipid receptor expression in rodent heart from near-term fetus to adult. Molecular Biology Reports, 2012, 39, 9075-9084.	1.0	10
38	Zika virus induces myocardial immune response and myocarditis in mice. Journal of Molecular and Cellular Cardiology, 2020, 148, 103-105.	0.9	10
39	A genetic system for tissue-specific inhibition of cell proliferation. Development (Cambridge), 2020, 147, .	1.2	10
40	Non-cardiomyocytes in Heart Regeneration. Current Drug Targets, 2018, 19, 1077-1086.	1.0	9
41	Sult2b1 deficiency exacerbates ischemic stroke by promoting pro-inflammatory macrophage polarization in mice. Theranostics, 2021, 11, 10074-10090.	4.6	9
42	CRISPR-CasRx knock-in mice for RNA degradation. Science China Life Sciences, 2022, 65, 2248-2256.	2.3	9
43	A Polymorphism inHepatocyte Nuclear Factor 1 Alpha,rs7310409, Is Associated with Left Main Coronary Artery Disease. Biochemistry Research International, 2014, 2014, 1-7.	1.5	8
44	Achieving stable myocardial regeneration after apical resection in neonatal mice. Journal of Cellular and Molecular Medicine, 2020, 24, 6500-6504.	1.6	8
45	Methods of mouse cardiomyocyte isolation from postnatal heart. Journal of Molecular and Cellular Cardiology, 2022, 168, 35-43.	0.9	8
46	Recent advances in myocardial regeneration strategy. Journal of International Medical Research, 2019, 47, 5453-5464.	0.4	5
47	Intronic Polymorphisms in Gene of Second Heart Field as Risk Factors for Human Congenital Heart Disease in a Chinese Population. DNA and Cell Biology, 2019, 38, 521-531.	0.9	5
48	The long noncoding RNA NR_045363 involves cardiomyocyte apoptosis and cardiac repair via p53 signal pathway. Cell Biology International, 2020, 44, 1957-1965.	1.4	5
49	CACCT: An Automated Tool of Detecting Complicated Cardiac Malformations in Mouse Models. Advanced Science, 2020, 7, 1903592.	5.6	5
50	Cardiomyocyte cytokinesis score: a potential method for cardiomyocyte proliferation. Cell Biology International, 2014, 38, 1032-1040.	1.4	3
51	The Human Myotrophin Variant Attenuates MicroRNA-Let-7 Binding Ability but Not Risk of Left Ventricular Hypertrophy in Human Essential Hypertension. PLoS ONE, 2015, 10, e0135526.	1.1	3
52	Minor alleles of genetic variants in second heart field increase the risk of hypoplastic right heart syndrome. Journal of Genetics, 2019, 98, 1.	0.4	3
53	Proteomic profiling of key transcription factors in the process of neonatal mouse cardiac regeneration capacity loss. Cell Biology International, 2019, 43, 1435-1442.	1.4	3
54	Myocarditis and heart function impairment occur in neonatal mice following in utero exposure to the Zika virus. Journal of Cellular and Molecular Medicine, 2021, 25, 2730-2733.	1.6	3

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55	Establishment and characterization of an immortalized epicardial cell line. Journal of Cellular and Molecular Medicine, 2021, 25, 6070-6081.	1.6	3
56	Mild hypothermia in rat with acute myocardial ischaemiaâ€reperfusion injury complicating severe sepsis. Journal of Cellular and Molecular Medicine, 2021, 25, 6448.	1.6	3
57	Multi-Investigator Letter on Reproducibility of Neonatal Heart Regeneration following Apical Resection. Stem Cell Reports, 2014, 3, 690.	2.3	1
58	Transplantation of Neonatal Mouse Cardiac Macrophages into Adult Mice. Journal of Visualized Experiments, 2021, , .	0.2	1
59	Proteogenomics Integrating Reveal a Complex Network, Alternative Splicing, Hub Genes Regulating Heart Maturation. Genes, 2022, 13, 250.	1.0	1
60	Cardiac Cavity Tracking: CACCT: An Automated Tool of Detecting Complicated Cardiac Malformations in Mouse Models (Adv. Sci. 8/2020). Advanced Science, 2020, 7, 2070042.	5.6	0
61	Response by Li et al to Letter Regarding Article, â€œgp130 Controls Cardiomyocyte Proliferation and Heart Regenerationâ€• Circulation, 2021, 143, e813-e814.	1.6	0
62	Letter by Feng and Nie Regarding Article, â€œMyeloid-Derived Growth Factor Protects Against Pressure Overload-Induced Heart Failureâ€• Circulation, 2022, 145, e768-e769.	1.6	0