Bin Zhou

List of Publications by Year
in descending order

364 papers	30,368 citations	9756 73 h-index	6979 154 g-index
387 all docs	387 docs citations	387 times ranked	36942 citing authors

#	Article	IF	Citations
1	Metascape provides a biologist-oriented resource for the analysis of systems-level datasets. Nature Communications, 2019, 10, 1523.	5.8	7,886
2	Epicardial progenitors contribute to the cardiomyocyte lineage in the developing heart. Nature, 2008, 454, 109-113.	13.7	905
3	A long noncoding RNA protects the heart from pathological hypertrophy. Nature, 2014, 514, 102-106.	13.7	672
4	De novo cardiomyocytes from within the activated adult heart after injury. Nature, 2011, 474, 640-644.	13.7	602
5	Bi-directional differentiation of single bronchioalveolar stem cells during lung repair. Cell Discovery, 2020, 6, 1.	3.1	587
6	Resident fibroblast lineages mediate pressure overloadâ€“induced cardiac fibrosis. Journal of Clinical Investigation, 2014, 124, 2921-2934.	3.9	497
7	A Small Molecule Inhibitor of Ubiquitin-Specific Protease-7 Induces Apoptosis in Multiple Myeloma Cells and Overcomes Bortezomib Resistance. Cancer Cell, 2012, 22, 345-358.	7.7	491
8	YAP1, the nuclear target of Hippo signaling, stimulates heart growth through cardiomyocyte proliferation but not hypertrophy. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2394-2399.	3.3	475
9	Adult mouse epicardium modulates myocardial injury by secreting paracrine factors. Journal of Clinical Investigation, 2011, 121, 1894-1904.	3.9	438
10	Chromatin regulation by Brg1 underlies heart muscle development and disease. Nature, 2010, 466, 62-67.	13.7	426
11	Epicardial FSTL1 reconstitution regenerates the adult mammalian heart. Nature, 2015, 525, 479-485.	13.7	402
12	Adult Cardiac-Resident MSC-like Stem Cells with a Proepicardial Origin. Cell Stem Cell, 2011, 9, 527-540.	5.2	358
13	Endocardial Cells Form the Coronary Arteries by Angiogenesis through Myocardial-Endocardial VEGF Signaling. Cell, 2012, 151, 1083-1096.	13.5	326
14	Cardiac-Specific YAP Activation Improves Cardiac Function and Survival in an Experimental Murine MI Model. Circulation Research, 2014, 115, 354-363.	2.0	324
15	In Vitro and In Vivo Selective Antitumor Activity of a Novel Orally Bioavailable Proteasome Inhibitor MLN9708 against Multiple Myeloma Cells. Clinical Cancer Research, 2011, 17, 5311-5321.	3.2	290
16	Resident c-kit+ cells in the heart are not cardiac stem cells. Nature Communications, 2015, 6, 8701.	5.8	268
17	Septum transversum-derived mesothelium gives rise to hepatic stellate cells and perivascular mesenchymal cells in developing mouse liver. Hepatology, 2011, 53, 983-995.	3.6	253
18	Lung regeneration by multipotent stem cells residing at the bronchioalveolar-duct junction. Nature Genetics, 2019, 51, 728-738.	9.4	231

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19	Capillary cell-type specialization in the alveolus. Nature, 2020, 586, 785-789.	13.7	231
20	Transcriptomic Profiling Maps Anatomically Patterned Subpopulations among Single Embryonic Cardiac Cells. Developmental Cell, 2016, 39, 491-507.	3.1	218
21	WT1 regulates epicardial epithelial to mesenchymal transition through Î²-catenin and retinoic acid signaling pathways. Developmental Biology, 2011, 356, 421-431.	0.9	208
22	Reassessment of Isl1 and Nkx2-5 cardiac fate maps using a Gata4-based reporter of Cre activity. Developmental Biology, 2008, 323, 98-104.	0.9	196
23	High salt primes a specific activation state of macrophages, M(Na). Cell Research, 2015, 25, 893-910.	5.7	189
24	Enhancing the precision of genetic lineage tracing using dual recombinases. Nature Medicine, 2017, 23, 1488-1498.	15.2	188
25	De novo formation of a distinct coronary vascular population in neonatal heart. Science, 2014, 345, 90-94.	6.0	181
26	Endothelial cells are progenitors of cardiac pericytes and vascular smooth muscle cells. Nature Communications, 2016, 7, 12422.	5.8	181
27	Partitioning the heart: mechanisms of cardiac septation and valve development. Development (Cambridge), 2012, 139, 3277-3299.	1.2	179
28	Reassessing endothelial-to-mesenchymal transition in cardiovascular diseases. Nature Reviews Cardiology, 2018, 15, 445-456.	6.1	179
29	Platelet-Derived Growth Factor Receptor Î² Signaling Is Required for Efficient Epicardial Cell Migration and Development of Two Distinct Coronary Vascular Smooth Muscle Cell Populations. Circulation Research, 2008, 103, 1393-1401.	2.0	178
30	Subepicardial endothelial cells invade the embryonic ventricle wall to form coronary arteries. Cell Research, 2013, 23, 1075-1090.	5.7	176
31	Dedifferentiation, Proliferation, and Redifferentiation of Adult Mammalian Cardiomyocytes After Ischemic Injury. Circulation, 2017, 136, 834-848.	1.6	174
32	In vitro and in vivo differentiation of human umbilical cord derived stem cells into endothelial cells. Journal of Cellular Biochemistry, 2007, 100, 608-616.	1.2	163
33	Genetic Lineage Tracing of Nonmyocyte Population by Dual Recombinases. Circulation, 2018, 138, 793-805.	1.6	163
34	Cellular Origin and Developmental Program of Coronary Angiogenesis. Circulation Research, 2015, 116, 515-530.	2.0	162
35	Cellâ€“matrix signals specify bone endothelial cells during developmental osteogenesis. Nature Cell Biology, 2017, 19, 189-201.	4.6	161
36	Nfatc1 Coordinates Valve Endocardial Cell Lineage Development Required for Heart Valve Formation. Circulation Research, 2011, 109, 183-192.	2.0	154

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37	Oxidized low density lipoprotein impairs endothelial progenitor cells by regulation of endothelial nitric oxide synthase. Journal of Lipid Research, 2006, 47, 1227-1237.	2.0	153
38	Osteogenic fate of hypertrophic chondrocytes. Cell Research, 2014, 24, 1266-1269.	5.7	151
39	Preexisting endothelial cells mediate cardiac neovascularization after injury. Journal of Clinical Investigation, 2017, 127, 2968-2981.	3.9	146
40	Control of cardiac jelly dynamics by NOTCH1 and NRG1 defines the building plan for trabeculation. Nature, 2018, 557, 439-445.	13.7	144
41	Epithelial Vegfa Specifies a Distinct Endothelial Population in the Mouse Lung. Developmental Cell, 2020, 52, 617-630.e6.	3.1	142
42	Genetic fate mapping demonstrates contribution of epicardium-derived cells to the annulus fibrosis of the mammalian heart. Developmental Biology, 2010, 338, 251-261.	0.9	138
43	The Cerebral Cavernous Malformation Pathway Controls Cardiac Development via Regulation of Endocardial MEKK3 Signaling and KLF Expression. Developmental Cell, 2015, 32, 168-180.	3.1	137
44	Yap1 Is Required for Endothelial to Mesenchymal Transition of the Atrioventricular Cushion. Journal of Biological Chemistry, 2014, 289, 18681-18692.	1.6	136
45	Endocardium Minimally Contributes to Coronary Endothelium in the Embryonic Ventricular Free Walls. Circulation Research, 2016, 118, 1880-1893.	2.0	131
46	Proliferation tracing reveals regional hepatocyte generation in liver homeostasis and repair. Science, 2021, 371, .	6.0	128
47	Nkx2-5- and Isl1-expressing cardiac progenitors contribute to proepicardium. Biochemical and Biophysical Research Communications, 2008, 375, 450-453.	1.0	126
48	In Vivo AAV-CRISPR/Cas9â€“Mediated Gene Editing Ameliorates Atherosclerosis in Familial Hypercholesterolemia. Circulation, 2020, 141, 67-79.	1.6	124
49	A Tbx1-Six1/Eya1-Fgf8 genetic pathway controls mammalian cardiovascular and craniofacial morphogenesis. Journal of Clinical Investigation, 2011, 121, 1585-1595.	3.9	123
50	Thymosin beta 4 treatment after myocardial infarction does not reprogram epicardial cells into cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2012, 52, 43-47.	0.9	122
51	Genetic lineage tracing identifies in situ Kit-expressing cardiomyocytes. Cell Research, 2016, 26, 119-130.	5.7	122
52	Hypoxia-inducible factor (HIF)-1Â directly enhances the transcriptional activity of stem cell factor (SCF) in response to hypoxia and epidermal growth factor (EGF). Carcinogenesis, 2008, 29, 1853-1861.	1.3	120
53	Interrogating translational efficiency and lineage-specific transcriptomes using ribosome affinity purification. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15395-15400.	3.3	116
54	Hemodynamic Forces Sculpt Developing Heart Valves through a KLF2-WNT9B Paracrine Signaling Axis. Developmental Cell, 2017, 43, 274-289.e5.	3.1	114

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55	Regulation of the Murine Nfatc1 Gene by NFATc2. Journal of Biological Chemistry, 2002, 277, 10704-10711.	1.6	111
56	Genetic targeting of sprouting angiogenesis using Apln-CreER. Nature Communications, 2015, 6, 6020.	5.8	111
57	Therapeutic Effect of Human Umbilical Cord Multipotent Mesenchymal Stromal Cells in a Rat Model of Stroke. Transplantation, 2009, 87, 350-359.	0.5	107
58	Equal modulation of endothelial cell function by four distinct tissue-specific mesenchymal stem cells. Angiogenesis, 2012, 15, 443-455.	3.7	106
59	Genome editing with CRISPR/Cas9 in postnatal mice corrects PRKAG2 cardiac syndrome. Cell Research, 2016, 26, 1099-1111.	5.7	101
60	A reference map of murine cardiac transcription factor chromatin occupancy identifies dynamic and conserved enhancers. Nature Communications, 2019, 10, 4907.	5.8	100
61	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
62	Multi-dysfunctional pathophysiology in ITP. Critical Reviews in Oncology/Hematology, 2005, 54, 107-116.	2.0	94
63	Cardiomyocyte-Specific Deletion of the Coxsackievirus and Adenovirus Receptor Results in Hyperplasia of the Embryonic Left Ventricle and Abnormalities of Sinuatrial Valves. Circulation Research, 2006, 98, 923-930.	2.0	94
64	Role of Resident Stem Cells in Vessel Formation and Arteriosclerosis. Circulation Research, 2018, 122, 1608-1624.	2.0	92
65	Apelin+ Endothelial Niche Cells Control Hematopoiesis and Mediate Vascular Regeneration after Myeloablative Injury. Cell Stem Cell, 2019, 25, 768-783.e6.	5.2	92
66	VEGF-C and aortic cardiomyocytes guide coronary artery stem development. Journal of Clinical Investigation, 2014, 124, 4899-4914.	3.9	89
67	Endocardial Cell Plasticity in Cardiac Development, Diseases and Regeneration. Circulation Research, 2018, 122, 774-789.	2.0	88
68	Heart Regeneration by Endogenous Stem Cells and Cardiomyocyte Proliferation. Circulation, 2020, 142, 275-291.	1.6	88
69	Mfsd2a+ hepatocytes repopulate the liver during injury and regeneration. Nature Communications, 2016, 7, 13369.	5.8	87
70	T-Cell Mineralocorticoid Receptor Controls Blood Pressure by Regulating Interferon-Gamma. Circulation Research, 2017, 120, 1584-1597.	2.0	87
71	gp130 Controls Cardiomyocyte Proliferation and Heart Regeneration. Circulation, 2020, 142, 967-982.	1.6	86
72	Sequential Ligand-Dependent Notch Signaling Activation Regulates Valve Primordium Formation and Morphogenesis. Circulation Research, 2016, 118, 1480-1497.	2.0	85

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73	Overexpression of Sirt1 in mesenchymal stem cells protects against bone loss in mice by FOXO3a deacetylation and oxidative stress inhibition. Metabolism: Clinical and Experimental, 2018, 88, 61-71.	1.5	85
74	Stem Cell Engraftment and Survival in the Ischemic Heart. Annals of Thoracic Surgery, 2011, 92, 1917-1925.	0.7	84
75	Prostaglandin signalling regulates ciliogenesis by modulating intraflagellar transport. Nature Cell Biology, 2014, 16, 841-851.	4.6	84
76	Genetic lineage tracing identifies endocardial origin of liver vasculature. Nature Genetics, 2016, 48, 537-543.	9.4	84
77	GATA4 regulates Fgf16 to promote heart repair after injury. Development (Cambridge), 2016, 143, 936-49.	1.2	79
78	Regulatory T-cells regulate neonatal heart regeneration by potentiating cardiomyocyte proliferation in a paracrine manner. Theranostics, 2019, 9, 4324-4341.	4.6	79
79	Brain Endothelial Cells Maintain Lactate Homeostasis and Control Adult Hippocampal Neurogenesis. Cell Stem Cell, 2019, 25, 754-767.e9.	5.2	79
80	Tbx20 acts upstream of Wnt signaling to regulate endocardial cushion formation and valve remodeling during mouse cardiogenesis. Development (Cambridge), 2013, 140, 3176-3187.	1.2	77
81	Characterization of Nfatc1 regulation identifies an enhancer required for gene expression that is specific to pro-valve endocardial cells in the developing heart. Development (Cambridge), 2005, 132, 1137-1146.	1.2	76
82	Therapeutic Potential of Human Umbilical Cord Derived Stem Cells in a Rat Myocardial Infarction Model. Annals of Thoracic Surgery, 2007, 83, 1491-1498.	0.7	76
83	Insulin-Like Growth Factor 1 Receptor-Dependent Pathway Drives Epicardial Adipose Tissue Formation After Myocardial Injury. Circulation, 2017, 135, 59-72.	1.6	74
84	A molecular map of murine lymph node blood vascular endothelium at single cell resolution. Nature Communications, 2020, 11, 3798.	5.8	74
85	A suite of new Dre recombinase drivers markedly expands the ability to perform intersectional genetic targeting. Cell Stem Cell, 2021, 28, 1160-1176.e7.	5.2	74
86	Endocardial to Myocardial Notch-Wnt-Bmp Axis Regulates Early Heart Valve Development. PLoS ONE, 2013, 8, e60244.	1.1	73
87	Genetic Cre-loxP Assessment of Epicardial Cell Fate Using Wt1-Driven Cre Alleles. Circulation Research, 2012, 111, e276-80.	2.0	72
88	DNA Methylation is Developmentally Regulated for Genes Essential for Cardiogenesis. Journal of the American Heart Association, 2014, 3, e000976.	1.6	71
89	Tracing the skeletal progenitor transition during postnatal bone formation. Cell Stem Cell, 2021, 28, 2122-2136.e3.	5.2	71
90	Conditional ablation of Gata4 and Fog2 genes in mice reveals their distinct roles in mammalian sexual differentiation. Developmental Biology, 2011, 353, 229-241.	0.9	70

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91	Genetic Fate Mapping of Transient Cell Fate Reveals N-Cadherin Activity and Function in Tumor Metastasis. Developmental Cell, 2020, 54, 593-607.e5.	3.1	70
92	Single-Cell RNA-Seq of the Developing Cardiac Outflow Tract Reveals Convergent Development of the Vascular Smooth Muscle Cells. Cell Reports, 2019, 28, 1346-1361.e4.	2.9	68
93	EP3 receptor deficiency attenuates pulmonary hypertension through suppression of Rho/TGF-Î²1 signaling. Journal of Clinical Investigation, 2015, 125, 1228-1242.	3.9	68
94	Identification of a hybrid myocardial zone in the mammalian heart after birth. Nature Communications, 2017, 8, 87.	5.8	67
95	CCN1-Induced Cellular Senescence Promotes Heart Regeneration. Circulation, 2019, 139, 2495-2498.	1.6	67
96	Genetic Fate Mapping Defines the Vascular Potential of Endocardial Cells in the Adult Heart. Circulation Research, 2018, 122, 984-993.	2.0	65
97	Lineage Tracing Reveals the Bipotency of SOX9+ Hepatocytes during Liver Regeneration. Stem Cell Reports, 2019, 12, 624-638.	2.3	65
98	A role for cancerâ€associated fibroblasts in inducing the epithelialâ€toâ€mesenchymal transition in human tongue squamous cell carcinoma. Journal of Oral Pathology and Medicine, 2014, 43, 585-592.	1.4	64
99	Ubiquitination of RIPK1 suppresses programmed cell death by regulating RIPK1 kinase activation during embryogenesis. Nature Communications, 2019, 10, 4158.	5.8	64
100	Fog2 is critical for cardiac function and maintenance of coronary vasculature in the adult mouse heart. Journal of Clinical Investigation, 2009, 119, 1462-1476.	3.9	64
101	c-kit+ cells adopt vascular endothelial but not epithelial cell fates during lung maintenance and repair. Nature Medicine, 2015, 21, 866-868.	15.2	63
102	Mineralocorticoid Receptor Deficiency in Macrophages Inhibits Neointimal Hyperplasia and Suppresses Macrophage Inflammation Through SGK1-AP1/NF-ÎºB Pathways. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 874-885.	1.1	63
103	Developmental Mechanisms of Aortic Valve Malformation and Disease. Annual Review of Physiology, 2017, 79, 21-41.	5.6	62
104	Endocardially Derived Macrophages Are Essential for Valvular Remodeling. Developmental Cell, 2019, 48, 617-630.e3.	3.1	61
105	Epicardial epithelial-to-mesenchymal transition in injured heart. Journal of Cellular and Molecular Medicine, 2011, 15, 2781-2783.	1.6	60
106	Regulatory T Cells Promote Apelin-Mediated Sprouting Angiogenesis in Type 2 Diabetes. Cell Reports, 2018, 24, 1610-1626.	2.9	60
107	Mouse and Human CRKL Is Dosage Sensitive for Cardiac Outflow Tract Formation. American Journal of Human Genetics, 2015, 96, 235-244.	2.6	58
108	Hand2 Is an Essential Regulator for Two Notch-Dependent Functions within the Embryonic Endocardium. Cell Reports, 2014, 9, 2071-2083.	2.9	57

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109	Embryonic attenuated Wnt/Î²-catenin signaling defines niche location and long-term stem cell fate in hair follicle. ELife, 2015, 4, e10567.	2.8	57
110	Tbx20 Is Required in Mid-Gestation Cardiomyocytes and Plays a Central Role in Atrial Development. Circulation Research, 2018, 123, 428-442.	2.0	57
111	VEGF-B Promotes Endocardium-Derived Coronary Vessel Development and Cardiac Regeneration. Circulation, 2021, 143, 65-77.	1.6	57
112	Recipient c-Kit Lineage Cells Repopulate Smooth Muscle Cells of Transplant Arteriosclerosis in Mouse Models. Circulation Research, 2019, 125, 223-241.	2.0	56
113	Neural Ganglioside GD2 Identifies a Subpopulation of Mesenchymal Stem Cells in Umbilical Cord. Cellular Physiology and Biochemistry, 2009, 23, 415-424.	1.1	54
114	Brg1 Governs a Positive Feedback Circuit in the Hair Follicle for Tissue Regeneration and Repair. Developmental Cell, 2013, 25, 169-181.	3.1	53
115	MAP3K2-regulated intestinal stromal cells define a distinct stem cell niche. Nature, 2021, 592, 606-610.	13.7	53
116	Wt1 directs the lineage specification of sertoli and granulosa cells by repressing Sf1 expression. Development (Cambridge), 2017, 144, 44-53.	1.2	52
117	ZnAs@SiO₂ nanoparticles as a potential anti-tumor drug for targeting stemness and epithelial-mesenchymal transition in hepatocellular carcinoma via SHP-1/JAK2/STAT3 signaling. Theranostics, 2019, 9, 4391-4408.	4.6	52
118	G-CSF-mobilized peripheral blood mononuclear cells from diabetic patients augment neovascularization in ischemic limbs but with impaired capability. Journal of Thrombosis and Haemostasis, 2006, 4, 993-1002.	1.9	51
119	Epicardium is required for cardiac seeding by yolk sac macrophages, precursors of resident macrophages of the adult heart. Developmental Biology, 2016, 413, 153-159.	0.9	51
120	Mapping cell type-specific transcriptional enhancers using high affinity, lineage-specific Ep300 bioChIP-seq. ELife, 2017, 6, .	2.8	50
121	Mitochondrial fission determines cisplatin sensitivity in tongue squamous cell carcinoma through the BRCA1-miR-593-5pâ€“MFF axis. Oncotarget, 2015, 6, 14885-14904.	0.8	50
122	Cellular therapy and myocardial tissue engineering: the role of adult stem and progenitor cells. European Journal of Cardio-thoracic Surgery, 2006, 30, 770-781.	0.6	49
123	Epicardium-to-fat transition in injured heart. Cell Research, 2014, 24, 1367-1369.	5.7	49
124	Notch-Tnf signalling is required for development and homeostasis of arterial valves. European Heart Journal, 2017, 38, ehv520.	1.0	49
125	Vertebrate Fidgetin Restrains Axonal Growth by Severing Labile Domains of Microtubules. Cell Reports, 2015, 12, 1723-1730.	2.9	49
126	Clonal Proliferation and Stochastic Pruning Orchestrate Lymph Node Vasculature Remodeling. Immunity, 2016, 45, 877-888.	6.6	48

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127	Early treatment with Resolvin E1 facilitates myocardial recovery from ischaemia in mice. British Journal of Pharmacology, 2018, 175, 1205-1216.	2.7	48
128	Genetic Targeting of Organ-Specific Blood Vessels. Circulation Research, 2018, 123, 86-99.	2.0	46
129	Bach1 regulates self-renewal and impedes mesendodermal differentiation of human embryonic stem cells. Science Advances, 2019, 5, eaau7887.	4.7	46
130	Single-Cell Lineage Tracing Reveals that Oriented Cell Division Contributes to Trabecular Morphogenesis and Regional Specification. Cell Reports, 2016, 15, 158-170.	2.9	45
131	Non-CpG methylation by DNMT3B facilitates REST binding and gene silencing in developing mouse hearts. Nucleic Acids Research, 2017, 45, 3102-3115.	6.5	45
132	Roles of platelet factor 4 in hematopoiesis and angiogenesis. Growth Factors, 2006, 24, 242-252.	0.5	44
133	Cadherin-11 Overexpression Induces Extracellular Matrix Remodeling and Calcification in Mature Aortic Valves. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 1627-1637.	1.1	44
134	PDGFR-Î² Signaling Regulates Cardiomyocyte Proliferation and Myocardial Regeneration. Cell Reports, 2019, 28, 966-978.e4.	2.9	44
135	Specific ablation of CD4⁺ T-cells promotes heart regeneration in juvenile mice. Theranostics, 2020, 10, 8018-8035.	4.6	43
136	Cancer-associated ï¬broblasts confer cisplatin resistance of tongue cancer via autophagy activation. Biomedicine and Pharmacotherapy, 2018, 97, 1341-1348.	2.5	43
137	Cytotoxic diarylheptanoid induces cell cycle arrest and apoptosis via increasing ATF3 and stabilizing p53 in SH-SY5Y cells. Cancer Chemotherapy and Pharmacology, 2009, 63, 1131-1139.	1.1	42
138	Endothelin-1 critically influences cardiac function via superoxide-MMP9 cascade. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5141-5146.	3.3	42
139	Endocardium Contributes to Cardiac Fat. Circulation Research, 2016, 118, 254-265.	2.0	42
140	Fate Mapping of Sca1 + Cardiac Progenitor Cells in the Adult Mouse Heart. Circulation, 2018, 138, 2967-2969.	1.6	42
141	Cardiomyocyte-enriched protein CIP protects against pathophysiological stresses and regulates cardiac homeostasis. Journal of Clinical Investigation, 2015, 125, 4122-4134.	3.9	42
142	Tie1 is required for lymphatic valve and collecting vessel development. Developmental Biology, 2015, 399, 117-128.	0.9	41
143	Notch Signaling Coordinates Progenitor Cell-Mediated Biliary Regeneration Following Partial Hepatectomy. Scientific Reports, 2016, 6, 22754.	1.6	41
144	Exome sequencing and digital PCR analyses reveal novel mutated genes related to the metastasis of pancreatic ductal adenocarcinoma. Cancer Biology and Therapy, 2012, 13, 871-879.	1.5	40

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145	Genetic lineage tracing discloses arteriogenesis as the main mechanism for collateral growth in the mouse heart. Cardiovascular Research, 2016, 109, 419-430.	1.8	40
146	Reassessment of c-Kit ⁺ Cells for Cardiomyocyte Contribution in Adult Heart. Circulation, 2019, 140, 164-166.	1.6	40
147	VGLL4 plays a critical role in heart valve development and homeostasis. PLoS Genetics, 2019, 15, e1007977.	1.5	40
148	M-CSF, IL-6, and TGF-Î² promote generation of a new subset of tissue repair macrophage for traumatic brain injury recovery. Science Advances, 2021, 7, .	4.7	40
149	Fibroblasts in an endocardial fibroelastosis disease model mainly originate from mesenchymal derivatives of epicardium. Cell Research, 2017, 27, 1157-1177.	5.7	39
150	Genetic lineage tracing with multiple DNA recombinases: A user's guide for conducting more precise cell fate mapping studies. Journal of Biological Chemistry, 2020, 295, 6413-6424.	1.6	39
151	Cardiac potential of stem cells from whole human umbilical cord tissue. Journal of Cellular Biochemistry, 2009, 107, 926-932.	1.2	38
152	Peritruncal Coronary Endothelial Cells Contribute to Proximal Coronary Artery Stems and Their Aortic Orifices in the Mouse Heart. PLoS ONE, 2013, 8, e80857.	1.1	38
153	Long-term, in toto live imaging of cardiomyocyte behaviour during mouse ventricle chamber formation at single-cell resolution. Nature Cell Biology, 2020, 22, 332-340.	4.6	38
154	Strategies for site-specific recombination with high efficiency and precise spatiotemporal resolution. Journal of Biological Chemistry, 2021, 296, 100509.	1.6	38
155	Mesenchymal stem/stromal cells (MSC) transfected with stromal derived factor 1 (SDF-1) for therapeutic neovascularization: Enhancement of cell recruitment and entrapment. Medical Hypotheses, 2007, 68, 1268-1271.	0.8	37
156	TPO-independent megakaryocytopoiesis. Critical Reviews in Oncology/Hematology, 2008, 65, 212-222.	2.0	37
157	Embryonic senescent cells re-enter cell cycle and contribute to tissues after birth. Cell Research, 2018, 28, 775-778.	5.7	37
158	Therapeutic neovascularization by transplantation of mobilized peripheral blood mononuclear cells for limb ischemia. Thrombosis and Haemostasis, 2006, 95, 301-311.	1.8	35
159	Transcriptional regulation of survivin by câ€Myc in BCR/ABLâ€transformed cells: implications in antiâ€leukaemic strategy. Journal of Cellular and Molecular Medicine, 2009, 13, 2039-2052.	1.6	35
160	Myocardial regeneration: expanding the repertoire of thymosin Î²4 in the ischemic heart. Annals of the New York Academy of Sciences, 2012, 1269, 92-101.	1.8	35
161	Dual genetic tracing system identifies diverse and dynamic origins of cardiac valve mesenchyme. Development (Cambridge), 2018, 145, .	1.2	35
162	NFÎºB (Nuclear Factor Îº-Light-Chain Enhancer of Activated B Cells) Activity Regulates Cell-Typeâ€“Specific and Context-Specific Susceptibility to Calcification in the Aortic Valve. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 638-655.	1.1	35

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163	Pre-existing beta cells but not progenitors contribute to new beta cells in the adult pancreas. Nature Metabolism, 2021, 3, 352-365.	5.1	35
164	Impaired therapeutic vasculogenesis by transplantation of OxLDL-treated endothelial progenitor cells. Journal of Lipid Research, 2007, 48, 518-527.	2.0	33
165	BAF200 Is Required for Heart Morphogenesis and Coronary Artery Development. PLoS ONE, 2014, 9, e109493.	1.1	33
166	Mfsd2a and Spns2 are essential for sphingosine-1-phosphate transport in the formation and maintenance of the blood-brain barrier. Science Advances, 2020, 6, eaay8627.	4.7	33
167	Cell proliferation fate mapping reveals regional cardiomyocyte cell-cycle activity in subendocardial muscle of left ventricle. Nature Communications, 2021, 12, 5784.	5.8	33
168	Uncontrolled angiogenic precursor expansion causes coronary artery anomalies in mice lacking Pofut1. Nature Communications, 2017, 8, 578.	5.8	32
169	Bone marrow endothelial dysfunction promotes myeloid cell expansion in cardiovascular disease. , 2022, 1, 28-44.		32
170	NOP14 promotes proliferation and metastasis of pancreatic cancer cells. Cancer Letters, 2012, 322, 195-203.	3.2	31
171	Clinicopathological and epidemiological significance of breast cancer subtype reclassification based on p53 immunohistochemical expression. Npj Breast Cancer, 2019, 5, 20.	2.3	31
172	Heterogeneity in endothelial cells and widespread venous arterialization during early vascular development in mammals. Cell Research, 2022, 32, 333-348.	5.7	30
173	More than a cover: epicardium as a novel source of cardiac progenitor cells. Regenerative Medicine, 2008, 3, 633-635.	0.8	29
174	Endothelial progenitor cell therapy in atherosclerosis: A double-edged sword?. Ageing Research Reviews, 2009, 8, 83-93.	5.0	29
175	Fabp4â€Cre<scp>ER</scp> lineage tracing revealstwo distinctive coronary vascular populations. Journal of Cellular and Molecular Medicine, 2014, 18, 2152-2156.	1.6	29
176	BMP2 expression in the endocardial lineage is required for AV endocardial cushion maturation and remodeling. Developmental Biology, 2017, 430, 113-128.	0.9	29
177	Genetic Tracing Identifies Early Segregation of the Cardiomyocyte and Nonmyocyte Lineages. Circulation Research, 2019, 125, 343-355.	2.0	29
178	Angong Niuhuang Pill as adjuvant therapy for treating acute cerebral infarction and intracerebral hemorrhage: A meta-analysis of randomized controlled trials. Journal of Ethnopharmacology, 2019, 237, 307-313.	2.0	29
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