Bin Zhou

List of Publications by Year in Descending Order

353 papers	18,726 citations	65 h-index	128 g-index
387 ext. papers	25,263 ext. citations	11 avg, IF	6.94 L-index

#	Paper	IF	Citations
353	Heterogeneity in endothelial cells and widespread venous arterialization during early vascular development in mammals.. *Cell Research*, **2022**,	24.7	5
352	The Association of Plasma Trimethylamine N-Oxide with Coronary Atherosclerotic Burden in Patients with Type 2 Diabetes Among a Chinese North Population.. *Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy*, **2022**, 15, 69-78	3.4	1
351	Hepatocyte generation in liver homeostasis, repair, and regeneration.. *Cell Regeneration*, **2022**, 11, 2	2.5	0
350	Role of Cardiac Fibroblasts in Cardiac Injury and Repair.. *Current Cardiology Reports*, **2022**, 24, 295	4.2	1
349	Extension of Endocardium-Derived Vessels Generate Coronary Arteries in Neonates.. *Circulation Research*, **2022**,	15.7	2
348	Genetic Proliferation Tracing Reveals a Rapid Cell Cycle Withdrawal in Preadolescent Cardiomyocytes.. *Circulation*, **2022**, 145, 410-412	16.7	0
347	Generation of three lines from multiorgan venous and lymphatic defect syndrome patients.. *Stem Cell Research*, **2022**, 60, 102679	1.6	
346	The essential role for endothelial cell sprouting in coronary collateral growth.. *Journal of Molecular and Cellular Cardiology*, **2022**,	5.8	1
345	Lineage Tracing Models to Study Cardiomyocyte Generation During Cardiac Development and Injury **2022**, 15-29		
344	Bone marrow endothelial dysfunction promotes myeloid cell expansion in cardiovascular disease **2022**, 1, 28-44		4
343	Deficiency Caused Restrictive Cardiomyopathy via Disrupting Proteostasis.. *International Journal of Biological Sciences*, **2022**, 18, 2018-2031	11.2	
342	A specialized bone marrow microenvironment for fetal haematopoiesis.. *Nature Communications*, **2022**, 13, 1327	17.4	1
341	Radical resection and reconstruction in patients with adenoid cystic carcinoma in the minor salivary glands of the palate.. *Head & Face Medicine*, **2022**, 18, 10	2.4	
340	Deep Learning Networks Accurately Detect ST-Segment Elevation Myocardial Infarction and Culprit Vessel.. *Frontiers in Cardiovascular Medicine*, **2022**, 9, 797207	5.4	0
339	Coronary vessel formation in development and regeneration: origins and mechanisms.. *Journal of Molecular and Cellular Cardiology*, **2022**, 167, 67-82	5.8	0
338	Genetic Lineage Tracing of Pericardial Cavity Macrophages in the Injured Heart.. *Circulation Research*, **2022**, 101161CIRCRESAHA122320567	15.7	1
337	Dual Genetic Lineage Tracing Reveals Capillary to Artery Formation in the Adult Heart.. *Circulation*, **2022**, 145, 1179-1181	16.7	

336	Dual Cre and Dre recombinases mediate synchronized lineage tracing and cell subset ablation in vivo.. *Journal of Biological Chemistry*, **2022**, 101965	5.4	0
335	Generation of Piezo1-CreER transgenic mice for visualization and lineage tracing of mechanical force responsive cells in vivo.. *Genesis*, **2022**, e23476	1.9	0
334	Apelin-driven endothelial cell migration sustains intestinal progenitor cells and tumor growth **2022**, 1, 476-490		0
333	Prediction of severity and outcomes of colon ischaemia using a novel prognostic model: a clinical multicenter study. *Annals of Medicine*, **2021**, 53, 1914-1923	1.5	0
332	Pancreatic beta cell neogenesis: Debates and updates. *Cell Metabolism*, **2021**, 33, 2105-2107	24.6	
331	Arsenite-loaded albumin nanoparticles for targeted synergistic chemo-photothermal therapy of HCC. *Biomaterials Science*, **2021**,	7.4	3
330	Smooth muscle-derived macrophage-like cells contribute to multiple cell lineages in the atherosclerotic plaque. *Cell Discovery*, **2021**, 7, 111	22.3	3
329	Characteristics and Long-Term Ablation Outcomes of Supraventricular Arrhythmias in Hypertrophic Cardiomyopathy: A 10-Year, Single-Center Experience. *Frontiers in Cardiovascular Medicine*, **2021**, 8, 766571	5.4	1
328	Seamless Genetic Recording of Transiently Activated Mesenchymal Gene Expression in Endothelial Cells During Cardiac Fibrosis. *Circulation*, **2021**,	16.7	4
327	Harnessing orthogonal recombinases to decipher cell fate with enhanced precision. *Trends in Cell Biology*, **2021**,	18.3	1
326	METTL3 improves cardiomyocyte proliferation upon myocardial infarction via upregulating miR-17-3p in a DGCR8-dependent manner. *Cell Death Discovery*, **2021**, 7, 291	6.9	2
325	Outcomes of patients with minor salivary gland mucoepidermoid carcinoma of the palate undergoing submental flap reconstruction following radical resection. *Asian Journal of Surgery*, **2021**,	1.6	1
324	Discovery of IHMT-EZH2-115 as a Potent and Selective Enhancer of Zeste Homolog 2 (EZH2) Inhibitor for the Treatment of B-Cell Lymphomas. *Journal of Medicinal Chemistry*, **2021**, 64, 15170-15188	8.3	3
323	Comparison of efficacy and safety between pembrolizumab combined with chemotherapy and simple chemotherapy in neoadjuvant therapy for esophageal squamous cell carcinoma. *Journal of Gastrointestinal Oncology*, **2021**, 12, 2013-2021	2.8	1
322	MAP3K2-regulated intestinal stromal cells define a distinct stem cell niche. *Nature*, **2021**, 592, 606-610	50.4	13
321	M-CSF, IL-6, and TGF-□promote generation of a new subset of tissue repair macrophage for traumatic brain injury recovery. *Science Advances*, **2021**, 7,	14.3	12
320	Pre-existing beta cells but not progenitors contribute to new beta cells in the adult pancreas. *Nature Metabolism*, **2021**, 3, 352-365	14.6	10
319	Endothelial Wnts control mammary epithelial patterning via fibroblast signaling. *Cell Reports*, **2021**, 34, 108897	10.6	4

318	The transcription factor Sox7 modulates endocardiac cushion formation contributed to atrioventricular septal defect through Wnt4/Bmp2 signaling. *Cell Death and Disease*, **2021**, 12, 393	9.8	3
317	Dual recombinases-based genetic lineage tracing for stem cell research with enhanced precision. *Science China Life Sciences*, **2021**, 1	8.5	2
316	Mutations in RNA Methyltransferase Gene Confer High Risk of Outflow Tract Malformation. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 623394	5.7	2
315	Genetic fate-mapping reveals surface accumulation but not deep organ invasion of pleural and peritoneal cavity macrophages following injury. *Nature Communications*, **2021**, 12, 2863	17.4	7
314	PPDPF alleviates hepatic steatosis through inhibition of mTOR signaling. *Nature Communications*, **2021**, 12, 3059	17.4	5
313	Solvability of a Class of Singular Fourth Order Equations of Monge□Ampère Type. *Annals of PDE*, **2021**, 7, 1	2.4	
312	Vascular Sema3E-Plexin-D1 Signaling Reactivation Promotes Post-stroke Recovery through VEGF Downregulation in Mice. *Translational Stroke Research*, **2021**, 1	7.8	5
311	Impact of breast cancer risk factors on clinically relevant prognostic biomarkers for primary breast cancer. *Breast Cancer Research and Treatment*, **2021**, 189, 483-495	4.4	3
310	NOTCH Signaling in Aortic Valve Development and Calcific Aortic Valve Disease. *Frontiers in Cardiovascular Medicine*, **2021**, 8, 682298	5.4	1
309	A suite of new Dre recombinase drivers markedly expands the ability to perform intersectional genetic targeting. *Cell Stem Cell*, **2021**, 28, 1160-1176.e7	18	28
308	Radiofrequency Catheter Ablation of Supraventricular Tachycardia in Patients With Pulmonary Hypertension: Feasibility and Long-Term Outcome. *Frontiers in Physiology*, **2021**, 12, 674909	4.6	0
307	Endothelial ontogeny and the establishment of vascular heterogeneity. *BioEssays*, **2021**, 43, e2100036	4.1	2
306	The Efficacy and Safety of Additional Anti-HER2-Targeting Drugs in the Treatment of HER2-Positive Advanced Breast Cancer: A Meta-Analysis. *Anti-Cancer Agents in Medicinal Chemistry*, **2021**, 21, 1931-1940	2.2	
305	Vermilionectomy followed by reconstruction of the vermilion mucosa using allograft dermal matrix in patients with actinic cheilitis of the lower lip. *Journal of Cosmetic Dermatology*, **2021**, 20, 263-266	2.5	1
304	Bilateral, buccinator myomucosal advancement flaps to reconstruct central upper labial myomucosal defects after ablation of early-stage cancer in minor salivary glands. *Journal of Cosmetic Dermatology*, **2021**, 20, 300-303	2.5	
303	Genetic lineage tracing reveals poor angiogenic potential of cardiac endothelial cells. *Cardiovascular Research*, **2021**, 117, 256-270	9.9	12
302	Sca1 Cells Minimally Contribute to Smooth Muscle Cells in Atherosclerosis. *Circulation Research*, **2021**, 128, 133-135	15.7	10
301	Overexpression of Kdr in adult endocardium induces endocardial neovascularization and improves heart function after myocardial infarction. *Cell Research*, **2021**, 31, 485-487	24.7	2

300	VEGF-B Promotes Endocardium-Derived Coronary Vessel Development and Cardiac Regeneration. *Circulation*, **2021**, 143, 65-77	16.7	18
299	Aplnr knockout mice display sex-specific changes in conditioned fear. *Behavioural Brain Research*, **2021**, 400, 113059	3.4	
298	Specific MiRNAs in naïve T cells associated with Hepatitis C Virus-induced Hepatocellular Carcinoma. *Journal of Cancer*, **2021**, 12, 1-9	4.5	2
297	Thymosin β4 released from functionalized self-assembling peptide activates epicardium and enhances repair of infarcted myocardium. *Theranostics*, **2021**, 11, 4262-4280	12.1	4
296	Strategies for site-specific recombination with high efficiency and precise spatiotemporal resolution. *Journal of Biological Chemistry*, **2021**, 296, 100509	5.4	9
295	Proliferation tracing reveals regional hepatocyte generation in liver homeostasis and repair. *Science*, **2021**, 371,	33.3	41
294	Sinoatrial node pacemaker cells: cardiomyocyte- or neuron-like cells?. *Protein and Cell*, **2021**, 12, 518-519	7.2	0
293	Use of allograft dermal matrix for repairing large oral epithelial defects: Outcomes of patients with lingual and buccal leukoplakia. *Journal of Cosmetic Dermatology*, **2021**, 20, 2753-2757	2.5	
292	PDGFRb mesenchymal cells, but not NG2 mural cells, contribute to cardiac fat. *Cell Reports*, **2021**, 34, 108697	10.6	3
291	Robust integration of multiple single-cell RNA sequencing datasets using a single reference space. *Nature Biotechnology*, **2021**, 39, 877-884	44.5	6
290	HIFU for the treatment of gastric cancer with liver metastases with unsuitable indications for hepatectomy and radiofrequency ablation: a prospective and propensity score-matched study. *BMC Surgery*, **2021**, 21, 308	2.3	2
289	The Spatiotemporal Expression of Notch1 and Numb and Their Functional Interaction during Cardiac Morphogenesis. *Cells*, **2021**, 10,	7.9	1
288	Efficacy and Safety of a Novel Thrombectomy Device in Patients With Acute Ischemic Stroke: A Randomized Controlled Trial. *Frontiers in Neurology*, **2021**, 12, 686253	4.1	1
287	Perinatal angiogenesis from pre-existing coronary vessels via DLL4-NOTCH1 signalling. *Nature Cell Biology*, **2021**, 23, 967-977	23.4	6
286	Sca1 marks a reserve endothelial progenitor population that preferentially expand after injury. *Cell Discovery*, **2021**, 7, 88	22.3	1
285	Tracing the skeletal progenitor transition during postnatal bone formation. *Cell Stem Cell*, **2021**, 28, 2122-2136.e3	18	13
284	Association between vedolizumab and postoperative complications in IBD: a systematic review and meta-analysis. *International Journal of Colorectal Disease*, **2021**, 36, 2081-2092	3	2
283	Cell proliferation fate mapping reveals regional cardiomyocyte cell-cycle activity in subendocardial muscle of left ventricle. *Nature Communications*, **2021**, 12, 5784	17.4	10

282	Low-intensity pulsed ultrasound prevents angiotensin II-induced aortic smooth muscle cell phenotypic switch via hampering miR-17-5p and enhancing PPAR-□*European Journal of Pharmacology*, **2021**, 911, 174509	5.3	0
281	Comparison of 3 techniques of surgical treatment of carotid body tumors. *Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology*, **2021**, 131, 643-649	2	1
280	Targeting HSPA1A in ARID2-deficient lung adenocarcinoma. *National Science Review*, **2021**, 8, nwab014	10.8	1
279	Nfatc1⊖ Role in Mammary Epithelial Morphogenesis and Basal Stem/progenitor Cell Self-renewal.. *Journal of Mammary Gland Biology and Neoplasia*, **2021**, 26, 357	2.4	
278	Idiopathic Ventricular Arrhythmias Ablated in Different Subregions of the Aortic Sinuses of Valsalva: Anatomical Distribution, Precordial Electrocardiographic Notch Patterns, and Bipolar Electrographic Characteristics.. *Frontiers in Cardiovascular Medicine*, **2021**, 8, 778866	5.4	
277	Cardiac Cavity Tracking: CACCT: An Automated Tool of Detecting Complicated Cardiac Malformations in Mouse Models (Adv. Sci. 8/2020). *Advanced Science*, **2020**, 7, 2070042	13.6	78
276	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	14.3	14
275	Resident endothelial cells generate hepatocytes through cell fusion in adult mouse liver. *Journal of Genetics and Genomics*, **2020**, 47, 225-228	4	4
274	Single-cell gene profiling and lineage tracing analyses revealed novel mechanisms of endothelial repair by progenitors. *Cellular and Molecular Life Sciences*, **2020**, 77, 5299-5320	10.3	13
273	gp130 Controls Cardiomyocyte Proliferation and Heart Regeneration. *Circulation*, **2020**, 142, 967-982	16.7	23
272	Specific ablation of CD4 T-cells promotes heart regeneration in juvenile mice. *Theranostics*, **2020**, 10, 8018-8035	12.1	19
271	Structural insight into precursor ribosomal RNA processing by ribonuclease MRP. *Science*, **2020**, 369, 656-663	33.3	12
270	Generation of a self-cleaved inducible Cre recombinase for efficient temporal genetic manipulation. *EMBO Journal*, **2020**, 39, e102675	13	9
269	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	23.4	17
268	Epithelial Vegfa Specifies a Distinct Endothelial Population in the Mouse Lung. *Developmental Cell*, **2020**, 52, 617-630.e6	10.2	61
267	Bi-directional differentiation of single bronchioalveolar stem cells during lung repair. *Cell Discovery*, **2020**, 6, 1	22.3	328
266	Comprehensive treatment of massive macroglossia due to venous and lymphatic malformations. *International Journal of Oral and Maxillofacial Surgery*, **2020**, 49, 874-881	2.9	2
265	A genetic system for tissue-specific inhibition of cell proliferation. *Development (Cambridge)*, **2020**, 147,	6.6	3

264	Plasma big endothelin-1 is an effective predictor for ventricular arrythmias and end-stage events in primary prevention implantable cardioverter- defibrillator indication patients. *Journal of Geriatric Cardiology*, **2020**, 17, 427-433	1.7	
263	Tracking the important role of in hepatocellular carcinoma by single-cell sequencing analysis. *Oncology Letters*, **2020**, 19, 1478-1486	2.6	4
262	Hair follicle stem cells regulate retinoid metabolism to maintain the self-renewal niche for melanocyte stem cells. *ELife*, **2020**, 9,	8.9	15
261	Triple-cell lineage tracing by a dual reporter on a single allele. *Journal of Biological Chemistry*, **2020**, 295, 690-700	5.4	7
260	FRS2□dependent cell fate transition during endocardial cushion morphogenesis. *Developmental Biology*, **2020**, 458, 88-97	3.1	1
259	Arterial Sca1 Vascular Stem Cells Generate De Novo Smooth Muscle for Artery Repair and Regeneration. *Cell Stem Cell*, **2020**, 26, 81-96.e4	18	54
258	Generation and phenotype analysis of CysLTR1 L118F mutant mice. *Journal of Cellular Biochemistry*, **2020**, 121, 2372-2384	4.7	0
257	Dosage effect of multiple genes accounts for multisystem disorder of myotonic dystrophy type 1. *Cell Research*, **2020**, 30, 133-145	24.7	9
256	NFB (Nuclear Factor □Light-Chain Enhancer of Activated B Cells) Activity Regulates Cell-Type-Specific and Context-Specific Susceptibility to Calcification in the Aortic Valve. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2020**, 40, 638-655	9.4	10
255	DP1 Activation Reverses Age-Related Hypertension Via NEDD4L-Mediated T-Bet Degradation in T Cells. *Circulation*, **2020**, 141, 655-666	16.7	10
254	Neurogenic Niche Conversion Strategy Induces Migration and Functional Neuronal Differentiation of Neural Precursor Cells Following Brain Injury. *Stem Cells and Development*, **2020**, 29, 235-248	4.4	5
253	Survival and functional outcomes of patients who underwent facial-submental artery island flap reconstruction after oral cavity or HPV-negative oropharyngeal squamous cell carcinoma ablation. *Journal of Stomatology, Oral and Maxillofacial Surgery*, **2020**, 121, 383-389	1.7	4
252	Triple-cell lineage tracing by a dual reporter on a single allele. *Journal of Biological Chemistry*, **2020**, 295, 690-700	5.4	7
251	In Vivo AAV-CRISPR/Cas9-Mediated Gene Editing Ameliorates Atherosclerosis in Familial Hypercholesterolemia. *Circulation*, **2020**, 141, 67-79	16.7	46
250	The Gridlock transcriptional repressor impedes vertebrate heart regeneration by restricting expression of lysine methyltransferase. *Development (Cambridge)*, **2020**, 147,	6.6	6
249	A novel parametric method-based nomogram of left ventricular internal diameters in normal Chinese adults. *Annals of Translational Medicine*, **2020**, 8, 1079	3.2	
248	Supraventricular tachycardia in patients with coronary sinus stenosis/atresia: Prevalence, anatomical features, and ablation outcomes. *Journal of Cardiovascular Electrophysiology*, **2020**, 31, 3223-3231	2.7	0
247	Capillary cell-type specialization in the alveolus. *Nature*, **2020**, 586, 785-789	50.4	69

246	Exosome secreted by human gingival fibroblasts in radiation therapy inhibits osteogenic differentiation of bone mesenchymal stem cells by transferring miR-23a. *Biomedicine and Pharmacotherapy*, **2020**, 131, 110672	7.5	8
245	Simultaneous quantitative assessment of two distinct cell lineages with a nuclear-localized dual genetic reporter. *Journal of Molecular and Cellular Cardiology*, **2020**, 146, 60-68	5.8	1
244	Heart Regeneration by Endogenous Stem Cells and Cardiomyocyte Proliferation: Controversy, Fallacy, and Progress. *Circulation*, **2020**, 142, 275-291	16.7	30
243	Genetic Fate Mapping of Transient Cell Fate Reveals N-Cadherin Activity and Function in Tumor Metastasis. *Developmental Cell*, **2020**, 54, 593-607.e5	10.2	21
242	Rapid and ultrasensitive method for determination of aflatoxin M1 in milk. *Food and Agricultural Immunology*, **2020**, 31, 849-858	2.9	2
241	A molecular map of murine lymph node blood vascular endothelium at single cell resolution. *Nature Communications*, **2020**, 11, 3798	17.4	28
240	Continuous Blood Pressure Estimation From Electrocardiogram and Photoplethysmogram During Arrhythmias. *Frontiers in Physiology*, **2020**, 11, 575407	4.6	11
239	Overweight and obesity as protective factors against mortality in nonischemic cardiomyopathy patients with an implantable cardioverter defibrillator. *Clinical Cardiology*, **2020**, 43, 1435-1442	3.3	5
238	Non-linear Association Between Body Mass Index and Ventricular Tachycardia/Ventricular Fibrillation in Patients With an Implantable Cardioverter-Defibrillator or Cardiac Resynchronization Therapy Defibrillator: A Multicenter Cohort Study. *Frontiers in Cardiovascular Medicine*, **2020**, 7, 610629	5.4	
237	Efficient photoactivatable Dre recombinase for cell type-specific spatiotemporal control of genome engineering in the mouse. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 33426-33435	11.5	5
236	Use of an anteriorly based ventral tongue flap to reconstruct the lower vermilion following early-stage cancer ablation. *Journal of Cosmetic Dermatology*, **2020**, 19, 473-476	2.5	1
235	Beneficial effect of ER stress preconditioning in protection against FFA-induced adipocyte inflammation via XBP1 in 3T3-L1 adipocytes. *Molecular and Cellular Biochemistry*, **2020**, 463, 45-55	4.2	6
234	The Formation of Coronary Vessels in Cardiac Development and Disease. *Cold Spring Harbor Perspectives in Biology*, **2020**, 12,	10.2	6
233	Control of sinus venous valve and sinoatrial node development by endocardial NOTCH1. *Cardiovascular Research*, **2020**, 116, 1473-1486	9.9	3
232	Ribosome biogenesis gene DEF/UTP25 is essential for liver homeostasis and regeneration. *Science China Life Sciences*, **2020**, 63, 1651-1664	8.5	1
231	Full cheek defect reconstruction using ALTF versus RFF: Comparison of quality of life, clinical results, and donor site morbidity. *Oral Diseases*, **2020**, 26, 1157	3.5	0
230	Genetic lineage tracing with multiple DNA recombinases: A user☺guide for conducting more precise cell fate mapping studies. *Journal of Biological Chemistry*, **2020**, 295, 6413-6424	5.4	18
229	Dual genetic approaches for deciphering cell fate plasticity in vivo: more than double. *Current Opinion in Cell Biology*, **2019**, 61, 101-109	9	10

228	Ubiquitination of RIPK1 suppresses programmed cell death by regulating RIPK1 kinase activation during embryogenesis. *Nature Communications*, **2019**, 10, 4158	17.4	29
227	Genetic Tracing Identifies Early Segregation of the Cardiomyocyte and Nonmyocyte Lineages. *Circulation Research*, **2019**, 125, 343-355	15.7	20
226	Comparison of the reconstruction of through-and-through cheek defects involving the labial commissure following tumor resection using four types of local and pedicle flaps. *Head & Face Medicine*, **2019**, 15, 12	2.4	3
225	CCN1-Induced Cellular Senescence Promotes Heart Regeneration. *Circulation*, **2019**, 139, 2495-2498	16.7	40
224	Recipient c-Kit Lineage Cells Repopulate Smooth Muscle Cells of Transplant Arteriosclerosis in Mouse Models. *Circulation Research*, **2019**, 125, 223-241	15.7	32
223	Dual lineage tracing identifies intermediate mesenchymal stage for endocardial contribution to fibroblasts, coronary mural cells, and adipocytes. *Journal of Biological Chemistry*, **2019**, 294, 8894-8906	5.4	12
222	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	5	12
221	Bach1 regulates self-renewal and impedes mesendodermal differentiation of human embryonic stem cells. *Science Advances*, **2019**, 5, eaau7887	14.3	22
220	Metascape provides a biologist-oriented resource for the analysis of systems-level datasets. *Nature Communications*, **2019**, 10, 1523	17.4	2938
219	Endocardially Derived Macrophages Are Essential for Valvular Remodeling. *Developmental Cell*, **2019**, 48, 617-630.e3	10.2	26
218	DDX24 Mutations Associated With Malformations of Major Vessels to the Viscera. *Hepatology*, **2019**, 69, 803-816	11.2	5
217	Spatiotemporal Gene Coexpression and Regulation in Mouse Cardiomyocytes of Early Cardiac Morphogenesis. *Journal of the American Heart Association*, **2019**, 8, e012941	6	8
216	Inhibition of acetylation of histones 3 and 4 attenuates aortic valve calcification. *Experimental and Molecular Medicine*, **2019**, 51, 1-14	12.8	10
215	Reassessment of c-Kit Cells for Cardiomyocyte Contribution in Adult Heart. *Circulation*, **2019**, 140, 164-166	16.7	18
214	ZnAs@SiO 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	12.1	32
213	Regulatory T-cells regulate neonatal heart regeneration by potentiating cardiomyocyte proliferation in a paracrine manner. *Theranostics*, **2019**, 9, 4324-4341	12.1	42
212	PDGFR-β Signaling Regulates Cardiomyocyte Proliferation and Myocardial Regeneration. *Cell Reports*, **2019**, 28, 966-978.e4	10.6	21
211	Clinicopathological and epidemiological significance of breast cancer subtype reclassification based on p53 immunohistochemical expression. *Npj Breast Cancer*, **2019**, 5, 20	7.8	14

210	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	10.6	47
209	A reference map of murine cardiac transcription factor chromatin occupancy identifies dynamic and conserved enhancers. *Nature Communications*, **2019**, 10, 4907	17.4	37
208	Lung regeneration by multipotent stem cells residing at the bronchioalveolar-duct junction. *Nature Genetics*, **2019**, 51, 728-738	36.3	132
207	Role of p53 mediated miR-23a/CXCL12 pathway in osteogenic differentiation of bone mesenchymal stem cells on nanostructured titanium surfaces. *Biomedicine and Pharmacotherapy*, **2019**, 112, 108649	7.5	15
206	VGLL4 plays a critical role in heart valve development and homeostasis. *PLoS Genetics*, **2019**, 15, e1007977	6.7	18
205	Lineage Tracing Reveals the Bipotency of SOX9 Hepatocytes during Liver Regeneration. *Stem Cell Reports*, **2019**, 12, 624-638	8	42
204	Apelin Endothelial Niche Cells Control Hematopoiesis and Mediate Vascular Regeneration after Myeloablative Injury. *Cell Stem Cell*, **2019**, 25, 768-783.e6	18	48
203	Brain Endothelial Cells Maintain Lactate Homeostasis and Control Adult Hippocampal Neurogenesis. *Cell Stem Cell*, **2019**, 25, 754-767.e9	18	37
202	Regional biomechanical imaging of liver cancer cells. *Journal of Cancer*, **2019**, 10, 4481-4487	4.5	3
201	CXCR4 enhances cisplatin resistance of human tongue squamous cell carcinoma. *Journal of Oral Pathology and Medicine*, **2019**, 48, 122-128	3.3	8
200	Wdpcp promotes epicardial EMT and epicardium-derived cell migration to facilitate coronary artery remodeling. *Science Signaling*, **2018**, 11,	8.8	4
199	Endocardial Cell Plasticity in Cardiac Development, Diseases and Regeneration. *Circulation Research* , **2018**, 122, 774-789	15.7	41
198	A rare case of gastric wall abscess arising after endoscopic ultrasound-guided fine-needle aspiration of solid pancreatic mass. *Endoscopy*, **2018**, 50, E142-E143	3.4	1
197	Notch signaling regulates Hey2 expression in a spatiotemporal dependent manner during cardiac morphogenesis and trabecular specification. *Scientific Reports*, **2018**, 8, 2678	4.9	15
196	Genetic Fate Mapping Defines the Vascular Potential of Endocardial Cells in the Adult Heart. *Circulation Research*, **2018**, 122, 984-993	15.7	37
195	Establishment of a CRISPR/Cas9-Mediated Cysltr1 Knockout Mouse Model and iTRAQ-Based Proteomic Analysis. *Proteomics - Clinical Applications*, **2018**, 12, e1700087	3.1	3
194	Genetic targeting of Purkinje fibres by Sema3a-CreERT2. *Scientific Reports*, **2018**, 8, 2382	4.9	6
193	Genetic Lineage Tracing of Nonmyocyte Population by Dual Recombinases. *Circulation*, **2018**, 138, 793-805	15.7	111

192	Comparison of outcomes with extensive segmental pectoralis major myocutaneous flap via the anterior axillary line and the conventional technique in oral and oropharyngeal cancer. *Head and Neck*, **2018**, 40, 349-354	4.2	5
191	Early treatment with Resolvin E1 facilitates myocardial recovery from ischaemia in mice. *British Journal of Pharmacology*, **2018**, 175, 1205-1216	8.6	27
190	Genetic lineage tracing analysis of c-kit stem/progenitor cells revealed a contribution to vascular injury-induced neointimal lesions. *Journal of Molecular and Cellular Cardiology*, **2018**, 121, 277-286	5.8	20
189	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	12.7	54
188	The chromatin remodeling subunit Baf200 promotes normal hematopoiesis and inhibits leukemogenesis. *Journal of Hematology and Oncology*, **2018**, 11, 27	22.4	12
187	Reassessing endothelial-to-mesenchymal transition in cardiovascular diseases. *Nature Reviews Cardiology*, **2018**, 15, 445-456	14.8	100
186	Control of cardiac jelly dynamics by NOTCH1 and NRG1 defines the building plan for trabeculation. *Nature*, **2018**, 557, 439-445	50.4	88
185	A dual genetic tracing system identifies diverse and dynamic origins of cardiac valve mesenchyme. *Development (Cambridge)*, **2018**, 145,	6.6	20
184	Regulatory T Cells Promote Apelin-Mediated Sprouting Angiogenesis in Type 2 Diabetes. *Cell Reports*, **2018**, 24, 1610-1626	10.6	41
183	Embryonic senescent cells re-enter cell cycle and contribute to tissues after birth. *Cell Research*, **2018**, 28, 775-778	24.7	19
182	Tbx20 Is Required in Mid-Gestation Cardiomyocytes and Plays a Central Role in Atrial Development. *Circulation Research*, **2018**, 123, 428-442	15.7	25
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180	Fate Mapping of Sca1 Cardiac Progenitor Cells in the Adult Mouse Heart. *Circulation*, **2018**, 138, 2967-2969	29.7	27
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