Qingbo Xu

List of Publications by Year
in descending order

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104 papers	8,738 citations	44069 48 h-index	43889 91 g-index
104 all docs	104 docs citations	104 times ranked	12162 citing authors

#	Article	IF	Citations
1	Association of Inpatient Use of Angiotensin-Converting Enzyme Inhibitors and Angiotensin II Receptor Blockers With Mortality Among Patients With Hypertension Hospitalized With COVID-19. Circulation Research, 2020, 126, 1671-1681.	4.5	948
2	Abundant progenitor cells in the adventitia contribute to atherosclerosis of vein grafts in ApoE-deficient mice. Journal of Clinical Investigation, 2004, 113, 1258-1265.	8.2	573
3	In-Hospital Use of Statins Is Associated with a Reduced Risk of Mortality among Individuals with COVID-19. Cell Metabolism, 2020, 32, 176-187.e4.	16.2	400
4	Role of Heat Shock Proteins in Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2002, 22, 1547-1559.	2.4	297
5	Endothelial Cytotoxicity Mediated by Serum Antibodies to Heat Shock Proteins of Escherichia coli and Chlamydia pneumoniae. Circulation, 1999, 99, 1560-1566.	1.6	293
6	Proteomic analysis reveals presence of platelet microparticles in endothelial progenitor cell cultures. Blood, 2009, 114, 723-732.	1.4	262
7	Association of Serum Antibodies to Heat-Shock Protein 65 With Carotid Atherosclerosis. Circulation, 1999, 100, 1169-1174.	1.6	236
8	Direct reprogramming of fibroblasts into endothelial cells capable of angiogenesis and reendothelialization in tissue-engineered vessels. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13793-13798.	7.1	235
9	HDAC3 is crucial in shear- and VEGF-induced stem cell differentiation toward endothelial cells. Journal of Cell Biology, 2006, 174, 1059-1069.	5.2	231
10	Endothelial Replacement and Angiogenesis in Arteriosclerotic Lesions of Allografts Are Contributed by Circulating Progenitor Cells. Circulation, 2003, 108, 3122-3127.	1.6	205
11	Smooth Muscle Cells in Transplant Atherosclerotic Lesions Are Originated From Recipients, but Not Bone Marrow Progenitor Cells. Circulation, 2002, 106, 1834-1839.	1.6	188
12	Circulating Progenitor Cells Regenerate Endothelium of Vein Graft Atherosclerosis, Which Is Diminished in ApoE-Deficient Mice. Circulation Research, 2003, 93, e76-86.	4.5	171
13	Rapid Endothelial Turnover in Atherosclerosis-Prone Areas Coincides With Stem Cell Repair in Apolipoprotein Eâ€“Deficient Mice. Circulation, 2008, 117, 1856-1863.	1.6	159
14	Preexisting endothelial cells mediate cardiac neovascularization after injury. Journal of Clinical Investigation, 2017, 127, 2968-2981.	8.2	146
15	Hyperhomocysteinemia Exaggerates Adventitial Inflammation and Angiotensin IIâ^'Induced Abdominal Aortic Aneurysm in Mice. Circulation Research, 2012, 111, 1261-1273.	4.5	140
16	Both Donor and Recipient Origins of Smooth Muscle Cells in Vein Graft Atherosclerotic Lesions. Circulation Research, 2002, 91, e13-20.	4.5	138
17	Resident vascular progenitor cells. Journal of Molecular and Cellular Cardiology, 2011, 50, 304-311.	1.9	128
18	Inhibition of Neointima Hyperplasia of Mouse Vein Grafts by Locally Applied Suramin. Circulation, 1999, 100, 861-868.	1.6	119

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19	Redefining Cardiac Biomarkers in Predicting Mortality of Inpatients With COVID-19. Hypertension, 2020, 76, 1104-1112.	2.7	118
20	Metformin Is Associated with Higher Incidence of Acidosis, but Not Mortality, in Individuals with COVID-19 and Pre-existing Type 2 Diabetes. Cell Metabolism, 2020, 32, 537-547.e3.	16.2	116
21	Stem cell-derived Sca-1⁺progenitors differentiate into smooth muscle cells, which is mediated by collagen IV-integrin Î±₁/Î²₁/Î±_vand PDGF receptor pathways. American Journal of Physiology - Cell Physiology, 2007, 292, C342-C352.	4.6	111
22	Vascular Endothelial Cell Growthâ€“Activated XBP1 Splicing in Endothelial Cells Is Crucial for Angiogenesis. Circulation, 2013, 127, 1712-1722.	1.6	105
23	Cartilage Oligomeric Matrix Protein Inhibits Vascular Smooth Muscle Calcification by Interacting With Bone Morphogenetic Protein-2. Circulation Research, 2011, 108, 917-928.	4.5	103
24	Mouse Models of Arteriosclerosis. American Journal of Pathology, 2004, 165, 1-10.	3.8	101
25	Characterisation of progenitor cells in human atherosclerotic vessels. Atherosclerosis, 2007, 191, 259-264.	0.8	99
26	Trajectories of Age-Related Arterial Stiffness in Chinese Men and Women. Journal of the American College of Cardiology, 2020, 75, 870-880.	2.8	94
27	Role of Resident Stem Cells in Vessel Formation and Arteriosclerosis. Circulation Research, 2018, 122, 1608-1624.	4.5	92
28	Endothelial Lineage Differentiation from Induced Pluripotent Stem Cells Is Regulated by MicroRNA-21 and Transforming Growth Factor Î²2 (TGF-Î²2) Pathways. Journal of Biological Chemistry, 2014, 289, 3383-3393.	3.4	87
29	The Neutrophil-to-Lymphocyte Ratio Determines Clinical Efficacy of Corticosteroid Therapy in Patients with COVID-19. Cell Metabolism, 2021, 33, 258-269.e3.	16.2	87
30	Stem Cells and Transplant Arteriosclerosis. Circulation Research, 2008, 102, 1011-1024.	4.5	83
31	Smooth Muscle Cells Differentiated From Reprogrammed Embryonic Lung Fibroblasts Through DKK3 Signaling Are Potent for Tissue Engineering of Vascular Grafts. Circulation Research, 2013, 112, 1433-1443.	4.5	83
32	Unspliced XBP1 Confers VSMC Homeostasis and Prevents Aortic Aneurysm Formation via FoxO4 Interaction. Circulation Research, 2017, 121, 1331-1345.	4.5	83
33	Mechanical Stressâ€“Induced Heat Shock Protein 70 Expression in Vascular Smooth Muscle Cells Is Regulated by Rac and Ras Small G Proteins but Not Mitogen-Activated Protein Kinases. Circulation Research, 2000, 86, 1122-1128.	4.5	79
34	Enzyme-functionalized vascular grafts catalyze in-situ release of nitric oxide from exogenous NO prodrug. Journal of Controlled Release, 2015, 210, 179-188.	9.9	79
35	Adventitial Stem Cells in Vein Grafts Display Multilineage Potential That Contributes to Neointimal Formation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 1844-1851.	2.4	78
36	Adventitial Cell Atlas of wt (Wild Type) and ApoE (Apolipoprotein E)-Deficient Mice Defined by Single-Cell RNA Sequencing. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1055-1071.	2.4	78

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37	Unspliced X-box-binding Protein 1 (XBP1) Protects Endothelial Cells from Oxidative Stress through Interaction with Histone Deacetylase 3. Journal of Biological Chemistry, 2014, 289, 30625-30634.	3.4	76
38	Mouse Model of Transplant Arteriosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2000, 20, 343-352.	2.4	74
39	Mesenchymal stem cells and vascular regeneration. Microcirculation, 2017, 24, e12324.	1.8	74
40	Single-Cell RNA-Sequencing and Metabolomics Analyses Reveal the Contribution of Perivascular Adipose Tissue Stem Cells to Vascular Remodeling. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 2049-2066.	2.4	72
41	Contribution of Stem Cells to Neointimal Formation of Decellularized Vessel Grafts in a Novel Mouse Model. American Journal of Pathology, 2012, 181, 362-373.	3.8	63
42	NSun2 Deficiency Protects Endothelium From Inflammation via mRNA Methylation of ICAM-1. Circulation Research, 2016, 118, 944-956.	4.5	63
43	Role of Biomechanical Forces in Stem Cell Vascular Lineage Differentiation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 2184-2190.	2.4	60
44	Smooth muscle cells differentiated from mesenchymal stem cells are regulated by microRNAs and suitable for vascular tissue grafts. Journal of Biological Chemistry, 2018, 293, 8089-8102.	3.4	58
45	Stem/Progenitor Cells in Vascular Regeneration. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1114-1119.	2.4	57
46	PKM2-dependent metabolic reprogramming in CD4+ T cells is crucial for hyperhomocysteinemia-accelerated atherosclerosis. Journal of Molecular Medicine, 2018, 96, 585-600.	3.9	56
47	Recipient c-Kit Lineage Cells Repopulate Smooth Muscle Cells of Transplant Arteriosclerosis in Mouse Models. Circulation Research, 2019, 125, 223-241.	4.5	56
48	Homocysteine Activates B Cells via Regulating PKM2-Dependent Metabolic Reprogramming. Journal of Immunology, 2017, 198, 170-183.	0.8	55
49	Comparative Impacts of ACE (Angiotensin-Converting Enzyme) Inhibitors Versus Angiotensin II Receptor Blockers on the Risk of COVID-19 Mortality. Hypertension, 2020, 76, e15-e17.	2.7	54
50	DKK3 (Dickkopf 3) Alters Atherosclerotic Plaque Phenotype Involving Vascular Progenitor and Fibroblast Differentiation Into Smooth Muscle Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 425-437.	2.4	53
51	Vascular Stem/Progenitor Cell Migration Induced by Smooth Muscle Cell-Derived Chemokine (C-C) Tj ETQq1 1 0.784314 rgBT /Overlo 2016, 34, 2368-2380.	3.2	50
52	Hyaluronan promotes the regeneration of vascular smooth muscle with potent contractile function in rapidly biodegradable vascular grafts. Biomaterials, 2020, 257, 120226.	11.4	48
53	A Cytokine-Like Protein Dickkopf-Related Protein 3 Is Atheroprotective. Circulation, 2017, 136, 1022-1036.	1.6	47
54	Ion Channels and Vascular Diseases. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, e146-e156.	2.4	44

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55	Adenovirus-based overexpression of tissue inhibitor of metalloproteinases 1 reduces tissue damage in the joints of tumor necrosis factor ? transgenic mice. Arthritis and Rheumatism, 2001, 44, 2888-2898.	6.7	43
56	Novel Pathological Role of hnRNPA1 (Heterogeneous Nuclear Ribonucleoprotein A1) in Vascular Smooth Muscle Cell Function and Neointima Hyperplasia. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 2182-2194.	2.4	41
57	Sirolimus Stimulates Vascular Stem/Progenitor Cell Migration and Differentiation Into Smooth Muscle Cells via Epidermal Growth Factor Receptor/Extracellular Signalâ€“Regulated Kinase/Î²-Catenin Signaling Pathway. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 2397-2406.	2.4	40
58	XBP 1-Deficiency Abrogates Neointimal Lesion of Injured Vessels Via Cross Talk With the PDGF Signaling. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 2134-2144.	2.4	40
59	Differentiation and Application of Induced Pluripotent Stem Cellâ€“Derived Vascular Smooth Muscle Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 2026-2037.	2.4	40
60	Dickkopf Homolog 3 Induces Stem Cell Differentiation into Smooth Muscle Lineage via ATF6 Signalling. Journal of Biological Chemistry, 2015, 290, 19844-19852.	3.4	39
61	Patient-Specific iPSC Model of a Genetic Vascular Dementia Syndrome Reveals Failure of Mural Cells to Stabilize Capillary Structures. Stem Cell Reports, 2019, 13, 817-831.	4.8	38
62	Infections, heat shock proteins, and atherosclerosis. Current Opinion in Cardiology, 2003, 18, 245-252.	1.8	36
63	Expression of Human Tissue Factor Pathway Inhibitor on Vascular Smooth Muscle Cells Inhibits Secretion of Macrophage Migration Inhibitory Factor and Attenuates Atherosclerosis in ApoE â^'/â^' Mice. Circulation, 2015, 131, 1350-1360.	1.6	36
64	Hyaluronan Is Crucial for Stem Cell Differentiation into Smooth Muscle Lineage. Stem Cells, 2016, 34, 1225-1238.	3.2	36
65	Vascular Stem/Progenitor Cell Migration and Differentiation in Atherosclerosis. Antioxidants and Redox Signaling, 2018, 29, 219-235.	5.4	35
66	Pharmacological inhibition of arachidonate 12-lipoxygenase ameliorates myocardial ischemia-reperfusion injury in multiple species. Cell Metabolism, 2021, 33, 2059-2075.e10.	16.2	35
67	Binding of Dickkopf-3 to CXCR7 Enhances Vascular Progenitor Cell Migration and Degradable Graft Regeneration. Circulation Research, 2018, 123, 451-466.	4.5	34
68	Adventitial Sca1+ Cells Transduced With ETV2 Are Committed to the Endothelial Fate and Improve Vascular Remodeling After Injury. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 232-244.	2.4	30
69	A small molecule targeting ALOX12-ACC1 ameliorates nonalcoholic steatohepatitis in mice and macaques. Science Translational Medicine, 2021, 13, eabg8116.	12.4	30
70	c-Kit+ progenitors generate vascular cells for tissue-engineered grafts through modulation of the Wnt/Klf4 pathway. Biomaterials, 2015, 60, 53-61.	11.4	29
71	Single-cell RNA sequencing reveals cell type- and artery type-specific vascular remodelling in male spontaneously hypertensive rats. Cardiovascular Research, 2021, 117, 1202-1216.	3.8	28
72	Nonbone Marrow CD34⁺Cells Are Crucial for Endothelial Repair of Injured Artery. Circulation Research, 2021, 129, e146-e165.	4.5	28

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73	Leptin Induces Sca-1 ⁺ Progenitor Cell Migration Enhancing Neointimal Lesions in Vessel-Injury Mouse Models. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 2114-2127.	2.4	27
74	Unspliced XBP1 Counteracts Î²-Catenin to Inhibit Vascular Calcification. Circulation Research, 2022, 130, 213-229.	4.5	27
75	Vascular Regeneration by Stem/Progenitor Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, e33-40.	2.4	25
76	Adventitial SCA-1 + Progenitor Cell Gene Sequencing Reveals the Mechanisms of Cell Migration in Response to Hyperlipidemia. Stem Cell Reports, 2017, 9, 681-696.	4.8	25
77	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.	1.9	25
78	Histone Deacetylase 7â€Đerived Peptides Play a Vital Role in Vascular Repair and Regeneration. Advanced Science, 2018, 5, 1800006.	11.2	24
79	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.	5.4	24
80	Microsomal Prostaglandin E Synthase-1â€“Derived PGE ₂ Inhibits Vascular Smooth Muscle Cell Calcification. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 108-121.	2.4	23
81	Multiple omics study identifies an interspecies conserved driver for nonalcoholic steatohepatitis. Science Translational Medicine, 2021, 13, eabg8117.	12.4	23
82	Bidirectional cross-regulation between the endothelial nitric oxide synthase and Î²-catenin signalling pathways. Cardiovascular Research, 2014, 104, 116-126.	3.8	21
83	Protective Role of RNA Helicase DEAD-Box Protein 5 in Smooth Muscle Cell Proliferation and Vascular Remodeling. Circulation Research, 2019, 124, e84-e100.	4.5	21
84	Development and validation of a risk score using complete blood count to predict in-hospital mortality in COVID-19 patients. Med, 2021, 2, 435-447.e4.	4.4	20
85	DKK3 (Dikkopf-3) Transdifferentiates Fibroblasts Into Functional Endothelial Cellsâ€”Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 765-773.	2.4	19
86	Endothelial repair by stem and progenitor cells. Journal of Molecular and Cellular Cardiology, 2022, 163, 133-146.	1.9	19
87	Impact of Local Alloimmunity and Recipient Cells in Transplant Arteriosclerosis. Circulation Research, 2020, 127, 974-993.	4.5	17
88	NSun2 regulates aneurysm formation by promoting autotaxin expression and T cell recruitment. Cellular and Molecular Life Sciences, 2021, 78, 1709-1727.	5.4	17
89	Nitric oxide improves regeneration and prevents calcification in bio-hybrid vascular grafts via regulation of vascular stem/progenitor cells. Cell Reports, 2022, 39, 110981.	6.4	17
90	B cell-derived anti-beta 2 glycoprotein I antibody contributes to hyperhomocysteinaemia-aggravated abdominal aortic aneurysm. Cardiovascular Research, 2020, 116, 1897-1909.	3.8	16

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91	Encapsulation of macrophages enhances their retention and angiogenic potential. Npj Regenerative Medicine, 2019, 4, 6.	5.2	14
92	Response of vascular mesenchymal stem/progenitor cells to hyperlipidemia. Cellular and Molecular Life Sciences, 2018, 75, 4079-4091.	5.4	13
93	Stem/Progenitor Cells and Pulmonary Arterial Hypertension. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 167-178.	2.4	12
94	Different Roles of Stem/Progenitor Cells in Vascular Remodeling. Antioxidants and Redox Signaling, 2021, 35, 192-203.	5.4	11
95	Single-cell RNA sequencing reveals B cell-T cell interactions in vascular adventitia of hyperhomocysteinemia-accelerated atherosclerosis. Protein and Cell, 2022, 13, 540-547.	11.0	10
96	Cartilage oligomeric matrix protein is a novel notch ligand driving embryonic stem cell differentiation towards the smooth muscle lineage. Journal of Molecular and Cellular Cardiology, 2018, 121, 69-80.	1.9	9
97	The binding of autotaxin to integrins mediates hyperhomocysteinemia-potentiated platelet activation and thrombosis in mice and humans. Blood Advances, 2022, 6, 46-61.	5.2	9
98	Lymphatics in Cardiovascular Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, e275-e283.	2.4	8
99	Single-cell transcriptomics uncovers phenotypic alterations in the monocytes in a Chinese population with chronic cadmium exposure. Ecotoxicology and Environmental Safety, 2021, 211, 111881.	6.0	7
100	Vascular Progenitors and Smooth Muscle Cells Chicken and Egg?. Circulation Research, 2017, 120, 246-248.	4.5	3
101	Perivascular tissue stem cells are crucial players in vascular disease. Free Radical Biology and Medicine, 2021, 165, 324-333.	2.9	3
102	Application of genetic cell-lineage tracing technology to study cardiovascular diseases. Journal of Molecular and Cellular Cardiology, 2021, 156, 57-68.	1.9	3
103	Resident stem cells in the heart. Medical Review, 2021, 1, 10-13.	1.2	3
104	Reply. Journal of the American College of Cardiology, 2020, 76, 230-231.	2.8	0