Xuri Li

List of Publications by Year
in descending order

63 papers	6,485 citations	109264 35 h-index	123376 61 g-index
64 all docs	64 docs citations	64 times ranked	8646 citing authors

#	Article	IF	Citations
1	Lack of Pericytes Leads to Endothelial Hyperplasia and Abnormal Vascular Morphogenesis. Journal of Cell Biology, 2001, 153, 543-554.	2.3	949
2	Single-Cell Transcriptome Atlas of Murine Endothelial Cells. Cell, 2020, 180, 764-779.e20.	13.5	755
3	PDGF-C is a new protease-activated ligand for the PDGF Î±-receptor. Nature Cell Biology, 2000, 2, 302-309.	4.6	548
4	Hallmarks of Endothelial Cell Metabolism in Health and Disease. Cell Metabolism, 2019, 30, 414-433.	7.2	255
5	An Integrated Gene Expression Landscape Profiling Approach to Identify Lung Tumor Endothelial Cell Heterogeneity and Angiogenic Candidates. Cancer Cell, 2020, 37, 21-36.e13.	7.7	253
6	Basic and Therapeutic Aspects of Angiogenesis Updated. Circulation Research, 2020, 127, 310-329.	2.0	251
7	VEGF-B is dispensable for blood vessel growth but critical for their survival, and VEGF-B targeting inhibits pathological angiogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6152-6157.	3.3	243
8	Angiogenesis stimulated by PDGFâ€CC, a novel member in the PDGF family, involves activation of PDGFRâ€αa and â€αp receptors. FASEB Journal, 2002, 16, 1575-1583.	0.2	201
9	Quiescent Endothelial Cells Upregulate Fatty Acid Î²-Oxidation for Vasculoprotection via Redox Homeostasis. Cell Metabolism, 2018, 28, 881-894.e13.	7.2	174
10	Lens regeneration using endogenous stem cells with gain of visual function. Nature, 2016, 531, 323-328.	13.7	171
11	Single-Cell RNA Sequencing Maps Endothelial Metabolic Plasticity in Pathological Angiogenesis. Cell Metabolism, 2020, 31, 862-877.e14.	7.2	169
12	Novel PDGF family members: PDGF-C and PDGF-D. Cytokine and Growth Factor Reviews, 2003, 14, 91-98.	3.2	162
13	Impairment of Angiogenesis by Fatty Acid Synthase Inhibition Involves mTOR Malonylation. Cell Metabolism, 2018, 28, 866-880.e15.	7.2	154
14	Revascularization of ischemic tissues by PDGF-CC via effects on endothelial cells and their progenitors. Journal of Clinical Investigation, 2005, 115, 118-127.	3.9	148
15	Transgenic Overexpression of Platelet-Derived Growth Factor-C in the Mouse Heart Induces Cardiac Fibrosis, Hypertrophy, and Dilated Cardiomyopathy. American Journal of Pathology, 2003, 163, 673-682.	1.9	137
16	Role of glutamine synthetase in angiogenesis beyond glutamine synthesis. Nature, 2018, 561, 63-69.	13.7	136
17	Serine Synthesis via PHGDH Is Essential for Heme Production in Endothelial Cells. Cell Metabolism, 2018, 28, 573-587.e13.	7.2	127
18	Single-Cell RNA Sequencing Reveals Renal Endothelium Heterogeneity and Metabolic Adaptation to Water Deprivation. Journal of the American Society of Nephrology: JASN, 2020, 31, 118-138.	3.0	117

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19	Chromosomal Location, Exon Structure, and Vascular Expression Patterns of the Human PDGFC and PDGFD Genes. Circulation, 2001, 103, 2242-2247.	1.6	111
20	Survival effect of PDGF-CC rescues neurons from apoptosis in both brain and retina by regulating GSK3Î² phosphorylation. Journal of Experimental Medicine, 2010, 207, 867-880.	4.2	110
21	Metabolic Pathways Fueling the Endothelial Cell Drive. Annual Review of Physiology, 2019, 81, 483-503.	5.6	91
22	Endothelial PDGF-CC regulates angiogenesis-dependent thermogenesis in beige fat. Nature Communications, 2016, 7, 12152.	5.8	84
23	EndoDB: a database of endothelial cell transcriptomics data. Nucleic Acids Research, 2019, 47, D736-D744.	6.5	70
24	PDGF-CC blockade inhibits pathological angiogenesis by acting on multiple cellular and molecular targets. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12216-12221.	3.3	69
25	Platelets induce apoptosis via membrane-bound FasL. Blood, 2015, 126, 1483-1493.	0.6	68
26	VEGF-independent angiogenic pathways induced by PDGF-C. Oncotarget, 2010, 1, 309-314.	0.8	63
27	Therapeutic paradigm of dual targeting VEGF and PDGF for effectively treating FGF-2 off-target tumors. Nature Communications, 2020, 11, 3704.	5.8	62
28	Expression of a Novel PDGF Isoform, PDGF-C, in Normal and Diseased Rat Kidney. Journal of the American Society of Nephrology: JASN, 2002, 13, 910-917.	3.0	62
29	Phenotypic diversity and metabolic specialization of renal endothelial cells. Nature Reviews Nephrology, 2021, 17, 441-464.	4.1	60
30	A miR-327â€“FGF10â€“FGFR2-mediated autocrine signaling mechanism controls white fat browning. Nature Communications, 2017, 8, 2079.	5.8	52
31	Platelet-derived growth factor-C and -D in the cardiovascular system and diseases. Molecular Aspects of Medicine, 2018, 62, 12-21.	2.7	51
32	VEGF-B is a potent antioxidant. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10351-10356.	3.3	46
33	Oligodendrocyte Progenitor Cells Promote Neovascularization in Glioma by Disrupting the Bloodâ€“Brain Barrier. Cancer Research, 2014, 74, 1011-1021.	0.4	45
34	Identification of prothymosin alpha (PTMA) as a biomarker for esophageal squamous cell carcinoma (ESCC) by label-free quantitative proteomics and Quantitative Dot Blot (QDB). Clinical Proteomics, 2019, 16, 12.	1.1	43
35	PDGF-C: a new performer in the neurovascular interplay. Trends in Molecular Medicine, 2013, 19, 474-486.	3.5	36
36	VEGF-B-Neuropilin-1 signaling is spatiotemporally indispensable for vascular and neuronal development in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5944-53.	3.3	33

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37	Targeting angiogenic metabolism in disease. Science, 2018, 359, 1335-1336.	6.0	33
38	Vascular stem/progenitor cells: functions and signaling pathways. Cellular and Molecular Life Sciences, 2018, 75, 859-869.	2.4	33
39	Endothelial CDS2 deficiency causes VEGFA-mediated vascular regression and tumor inhibition. Cell Research, 2019, 29, 895-910.	5.7	31
40	Critical role of caveolin-1 in ocular neovascularization and multitargeted antiangiogenic effects of cavtratin via JNK. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10737-10742.	3.3	30
41	Automatic cell type identification methods for single-cell RNA sequencing. Computational and Structural Biotechnology Journal, 2021, 19, 5874-5887.	1.9	30
42	Novel function of VEGF-B as an antioxidant and therapeutic implications. Pharmacological Research, 2019, 143, 33-39.	3.1	25
43	Vasoprotective effect of PDGF-CC mediated by HMOX1 rescues retinal degeneration. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14806-14811.	3.3	24
44	PDGF-C and PDGF-D in ocular diseases. Molecular Aspects of Medicine, 2018, 62, 33-43.	2.7	23
45	Platelet-derived growth factor (PDGF)-C inhibits neuroretinal apoptosis in a murine model of focal retinal degeneration. Laboratory Investigation, 2014, 94, 674-682.	1.7	16
46	Inhibitory effect of caveolin-1 in vascular endothelial cells, pericytes and smooth muscle cells. Oncotarget, 2017, 8, 76165-76173.	0.8	15
47	Caveolin-1 Protects Retinal Ganglion Cells against Acute Ocular Hypertension Injury via Modulating Microglial Phenotypes and Distribution and Activating AKT pathway. Scientific Reports, 2017, 7, 10716.	1.6	13
48	Off-tumor targets compromise antiangiogenic drug sensitivity by inducing kidney erythropoietin production. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9635-E9644.	3.3	12
49	Protocols for endothelial cell isolation from mouse tissues: brain, choroid, lung, and muscle. STAR Protocols, 2021, 2, 100508.	0.5	12
50	Protocols for endothelial cell isolation from mouse tissues: small intestine, colon, heart, and liver. STAR Protocols, 2021, 2, 100489.	0.5	11
51	Synchronized tissue-scale vasculogenesis and ubiquitous lateral sprouting underlie the unique architecture of the choriocapillaris. Developmental Biology, 2020, 457, 206-214.	0.9	9
52	PDGFs and their receptors in vascular stem/progenitor cells: Functions and therapeutic potential in retinal vasculopathy. Molecular Aspects of Medicine, 2018, 62, 22-32.	2.7	8
53	Platelet-derived growth factor C signaling is a potential therapeutic target for radiation proctopathy. Science Translational Medicine, 2021, 13, .	5.8	8
54	JAM-C maintains VEGR2 expression to promote retinal pigment epithelium cell survival under oxidative stress. Thrombosis and Haemostasis, 2017, 117, 750-757.	1.8	7

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55	Protocols for endothelial cell isolation from mouse tissues: kidney, spleen, and testis. STAR Protocols, 2021, 2, 100523.	0.5	7
56	Mitogen-Inducible Gene 6 Inhibits Angiogenesis by Binding to SHC1 and Suppressing Its Phosphorylation. Frontiers in Cell and Developmental Biology, 2021, 9, 634242.	1.8	6
57	Platelet-Derived Growth Factor-D Activates Complement System to Propagate Macrophage Polarization and Neovascularization. Frontiers in Cell and Developmental Biology, 2021, 9, 686886.	1.8	6
58	Role of Junctional Adhesion Molecule-C in the Regulation of Inner Endothelial Blood-Retinal Barrier Function. Frontiers in Cell and Developmental Biology, 2021, 9, 695657.	1.8	6
59	Novel multi-targeted inhibitors suppress ocular neovascularization by regulating unique gene sets. Pharmacological Research, 2019, 146, 104277.	3.1	5
60	Expression and function of PDGF-C in development and stem cells. Open Biology, 2021, 11, 210268.	1.5	5
61	Role of VEGFR2 in Mediating Endoplasmic Reticulum Stress Under Glucose Deprivation and Determining Cell Death, Oxidative Stress, and Inflammatory Factor Expression. Frontiers in Cell and Developmental Biology, 2021, 9, 631413.	1.8	3
62	Glycosylation at Asn254 Is Required for the Activation of the PDGF-C Protein. Frontiers in Molecular Biosciences, 2021, 8, 665552.	1.6	1
63	A systems genetics approach to revealing the molecular network of the retina. Molecular Vision, 2020, 26, 459-471.	1.1	0