

Xuri Li

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

6,485
citations

109321

35
h-index

123424

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. <i>Journal of Cell Biology</i> , 2001, 153, 543-554. | 5.2 | 949 |
| 2 | Single-Cell Transcriptome Atlas of Murine Endothelial Cells. <i>Cell</i> , 2020, 180, 764-779.e20. | 28.9 | 755 |
| 3 | PDGF-C is a new protease-activated ligand for the PDGF β -receptor. <i>Nature Cell Biology</i> , 2000, 2, 302-309. | 10.3 | 548 |
| 4 | Hallmarks of Endothelial Cell Metabolism in Health and Disease. <i>Cell Metabolism</i> , 2019, 30, 414-433. | 16.2 | 255 |
| 5 | An Integrated Gene Expression Landscape Profiling Approach to Identify Lung Tumor Endothelial Cell Heterogeneity and Angiogenic Candidates. <i>Cancer Cell</i> , 2020, 37, 21-36.e13. | 16.8 | 253 |
| 6 | Basic and Therapeutic Aspects of Angiogenesis Updated. <i>Circulation Research</i> , 2020, 127, 310-329. | 4.5 | 251 |
| 7 | VEGF-B is dispensable for blood vessel growth but critical for their survival, and VEGF-B targeting inhibits pathological angiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 6152-6157. | 7.1 | 243 |
| 8 | Angiogenesis stimulated by PDGF β CC, a novel member in the PDGF family, involves activation of PDGFR β and α receptors. <i>FASEB Journal</i> , 2002, 16, 1575-1583. | 0.5 | 201 |
| 9 | Quiescent Endothelial Cells Upregulate Fatty Acid β -Oxidation for Vasculoprotection via Redox Homeostasis. <i>Cell Metabolism</i> , 2018, 28, 881-894.e13. | 16.2 | 174 |
| 10 | Lens regeneration using endogenous stem cells with gain of visual function. <i>Nature</i> , 2016, 531, 323-328. | 27.8 | 171 |
| 11 | Single-Cell RNA Sequencing Maps Endothelial Metabolic Plasticity in Pathological Angiogenesis. <i>Cell Metabolism</i> , 2020, 31, 862-877.e14. | 16.2 | 169 |
| 12 | Novel PDGF family members: PDGF-C and PDGF-D. <i>Cytokine and Growth Factor Reviews</i> , 2003, 14, 91-98. | 7.2 | 162 |
| 13 | Impairment of Angiogenesis by Fatty Acid Synthase Inhibition Involves mTOR Malonylation. <i>Cell Metabolism</i> , 2018, 28, 866-880.e15. | 16.2 | 154 |
| 14 | Revascularization of ischemic tissues by PDGF-CC via effects on endothelial cells and their progenitors. <i>Journal of Clinical Investigation</i> , 2005, 115, 118-127. | 8.2 | 148 |
| 15 | Transgenic Overexpression of Platelet-Derived Growth Factor-C in the Mouse Heart Induces Cardiac Fibrosis, Hypertrophy, and Dilated Cardiomyopathy. <i>American Journal of Pathology</i> , 2003, 163, 673-682. | 3.8 | 137 |
| 16 | Role of glutamine synthetase in angiogenesis beyond glutamine synthesis. <i>Nature</i> , 2018, 561, 63-69. | 27.8 | 136 |
| 17 | Serine Synthesis via PHGDH Is Essential for Heme Production in Endothelial Cells. <i>Cell Metabolism</i> , 2018, 28, 573-587.e13. | 16.2 | 127 |
| 18 | Single-Cell RNA Sequencing Reveals Renal Endothelium Heterogeneity and Metabolic Adaptation to Water Deprivation. <i>Journal of the American Society of Nephrology: JASN</i> , 2020, 31, 118-138. | 6.1 | 117 |

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|----|---|------|-----------|
| 19 | Chromosomal Location, Exon Structure, and Vascular Expression Patterns of the Human <i>PDGFC</i> and <i>PDGFD</i> Genes. <i>Circulation</i> , 2001, 103, 2242-2247. | 1.6 | 111 |
| 20 | Survival effect of PDGF-CC rescues neurons from apoptosis in both brain and retina by regulating GSK3 β phosphorylation. <i>Journal of Experimental Medicine</i> , 2010, 207, 867-880. | 8.5 | 110 |
| 21 | Metabolic Pathways Fueling the Endothelial Cell Drive. <i>Annual Review of Physiology</i> , 2019, 81, 483-503. | 13.1 | 91 |
| 22 | Endothelial PDGF-CC regulates angiogenesis-dependent thermogenesis in beige fat. <i>Nature Communications</i> , 2016, 7, 12152. | 12.8 | 84 |
| 23 | EndoDB: a database of endothelial cell transcriptomics data. <i>Nucleic Acids Research</i> , 2019, 47, D736-D744. | 14.5 | 70 |
| 24 | PDGF-CC blockade inhibits pathological angiogenesis by acting on multiple cellular and molecular targets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12216-12221. | 7.1 | 69 |
| 25 | Platelets induce apoptosis via membrane-bound FasL. <i>Blood</i> , 2015, 126, 1483-1493. | 1.4 | 68 |
| 26 | VEGF-independent angiogenic pathways induced by PDGF-C. <i>Oncotarget</i> , 2010, 1, 309-314. | 1.8 | 63 |
| 27 | Therapeutic paradigm of dual targeting VEGF and PDGF for effectively treating FGF-2 off-target tumors. <i>Nature Communications</i> , 2020, 11, 3704. | 12.8 | 62 |
| 28 | Expression of a Novel PDGF Isoform, PDGF-C, in Normal and Diseased Rat Kidney. <i>Journal of the American Society of Nephrology: JASN</i> , 2002, 13, 910-917. | 6.1 | 62 |
| 29 | Phenotypic diversity and metabolic specialization of renal endothelial cells. <i>Nature Reviews Nephrology</i> , 2021, 17, 441-464. | 9.6 | 60 |
| 30 | A miR-327 α -FGF10 α -FGFR2-mediated autocrine signaling mechanism controls white fat browning. <i>Nature Communications</i> , 2017, 8, 2079. | 12.8 | 52 |
| 31 | Platelet-derived growth factor-C and -D in the cardiovascular system and diseases. <i>Molecular Aspects of Medicine</i> , 2018, 62, 12-21. | 6.4 | 51 |
| 32 | VEGF-B is a potent antioxidant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10351-10356. | 7.1 | 46 |
| 33 | Oligodendrocyte Progenitor Cells Promote Neovascularization in Glioma by Disrupting the Blood-Brain Barrier. <i>Cancer Research</i> , 2014, 74, 1011-1021. | 0.9 | 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). <i>Clinical Proteomics</i> , 2019, 16, 12. | 2.1 | 43 |
| 35 | PDGF-C: a new performer in the neurovascular interplay. <i>Trends in Molecular Medicine</i> , 2013, 19, 474-486. | 6.7 | 36 |
| 36 | VEGF-B-Neuropilin-1 signaling is spatiotemporally indispensable for vascular and neuronal development in zebrafish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E5944-53. | 7.1 | 33 |

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|----|--|------|-----------|
| 37 | Targeting angiogenic metabolism in disease. <i>Science</i> , 2018, 359, 1335-1336. | 12.6 | 33 |
| 38 | Vascular stem/progenitor cells: functions and signaling pathways. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 859-869. | 5.4 | 33 |
| 39 | Endothelial CDS2 deficiency causes VEGFA-mediated vascular regression and tumor inhibition. <i>Cell Research</i> , 2019, 29, 895-910. | 12.0 | 31 |
| 40 | Critical role of caveolin-1 in ocular neovascularization and multitargeted antiangiogenic effects of cavtratin via JNK. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10737-10742. | 7.1 | 30 |
| 41 | Automatic cell type identification methods for single-cell RNA sequencing. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 5874-5887. | 4.1 | 30 |
| 42 | Novel function of VEGF-B as an antioxidant and therapeutic implications. <i>Pharmacological Research</i> , 2019, 143, 33-39. | 7.1 | 25 |
| 43 | Vasoprotective effect of PDGF-CC mediated by HMOX1 rescues retinal degeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14806-14811. | 7.1 | 24 |
| 44 | PDGF-C and PDGF-D in ocular diseases. <i>Molecular Aspects of Medicine</i> , 2018, 62, 33-43. | 6.4 | 23 |
| 45 | Platelet-derived growth factor (PDGF)-C inhibits neuroretinal apoptosis in a murine model of focal retinal degeneration. <i>Laboratory Investigation</i> , 2014, 94, 674-682. | 3.7 | 16 |
| 46 | Inhibitory effect of caveolin-1 in vascular endothelial cells, pericytes and smooth muscle cells. <i>Oncotarget</i> , 2017, 8, 76165-76173. | 1.8 | 15 |
| 47 | Caveolin-1 Protects Retinal Ganglion Cells against Acute Ocular Hypertension Injury via Modulating Microglial Phenotypes and Distribution and Activating AKT pathway. <i>Scientific Reports</i> , 2017, 7, 10716. | 3.3 | 13 |
| 48 | Off-tumor targets compromise antiangiogenic drug sensitivity by inducing kidney erythropoietin production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9635-E9644. | 7.1 | 12 |
| 49 | Protocols for endothelial cell isolation from mouse tissues: brain, choroid, lung, and muscle. <i>STAR Protocols</i> , 2021, 2, 100508. | 1.2 | 12 |
| 50 | Protocols for endothelial cell isolation from mouse tissues: small intestine, colon, heart, and liver. <i>STAR Protocols</i> , 2021, 2, 100489. | 1.2 | 11 |
| 51 | Synchronized tissue-scale vasculogenesis and ubiquitous lateral sprouting underlie the unique architecture of the choriocapillaris. <i>Developmental Biology</i> , 2020, 457, 206-214. | 2.0 | 9 |
| 52 | PDGFs and their receptors in vascular stem/progenitor cells: Functions and therapeutic potential in retinal vasculopathy. <i>Molecular Aspects of Medicine</i> , 2018, 62, 22-32. | 6.4 | 8 |
| 53 | Platelet-derived growth factor C signaling is a potential therapeutic target for radiation proctopathy. <i>Science Translational Medicine</i> , 2021, 13, . | 12.4 | 8 |
| 54 | JAM-C maintains VEGFR2 expression to promote retinal pigment epithelium cell survival under oxidative stress. <i>Thrombosis and Haemostasis</i> , 2017, 117, 750-757. | 3.4 | 7 |

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|----|--|-----|-----------|
| 55 | Protocols for endothelial cell isolation from mouse tissues: kidney, spleen, and testis. STAR Protocols, 2021, 2, 100523. | 1.2 | 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. | 3.7 | 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. | 3.7 | 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. | 3.7 | 6 |
| 59 | Novel multi-targeted inhibitors suppress ocular neovascularization by regulating unique gene sets. Pharmacological Research, 2019, 146, 104277. | 7.1 | 5 |
| 60 | Expression and function of PDGF-C in development and stem cells. Open Biology, 2021, 11, 210268. | 3.6 | 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. | 3.7 | 3 |
| 62 | Glycosylation at Asn254 Is Required for the Activation of the PDGF-C Protein. Frontiers in Molecular Biosciences, 2021, 8, 665552. | 3.5 | 1 |
| 63 | A systems genetics approach to revealing the molecular network of the retina. Molecular Vision, 2020, 26, 459-471. | 1.1 | 0 |