

Liqun He

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

8,897
citations

257357

24
h-index

168321

53
g-index

57
all docs

57
docs citations

57
times ranked

14957
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell types in the mouse cortex and hippocampus revealed by single-cell RNA-seq. <i>Science</i> , 2015, 347, 1138-1142.	6.0	2,779
2	Pericytes regulate the blood-brain barrier. <i>Nature</i> , 2010, 468, 557-561.	13.7	2,214
3	A molecular atlas of cell types and zonation in the brain vasculature. <i>Nature</i> , 2018, 554, 475-480.	13.7	1,310
4	Single-cell analysis uncovers fibroblast heterogeneity and criteria for fibroblast and mural cell identification and discrimination. <i>Nature Communications</i> , 2020, 11, 3953.	5.8	316
5	Single-cell RNA sequencing of mouse brain and lung vascular and vessel-associated cell types. <i>Scientific Data</i> , 2018, 5, 180160.	2.4	316
6	Analysis of the brain mural cell transcriptome. <i>Scientific Reports</i> , 2016, 6, 35108.	1.6	185
7	Lack of Evidence of Angiotensin-Converting Enzyme 2 Expression and Replicative Infection by SARS-CoV-2 in Human Endothelial Cells. <i>Circulation</i> , 2021, 143, 865-868.	1.6	166
8	Matrix stiffness controls lymphatic vessel formation through regulation of a GATA2-dependent transcriptional program. <i>Nature Communications</i> , 2018, 9, 1511.	5.8	122
9	Reducing VEGF-B Signaling Ameliorates Renal Lipotoxicity and Protects against Diabetic Kidney Disease. <i>Cell Metabolism</i> , 2017, 25, 713-726.	7.2	115
10	Specification of CNS macrophage subsets occurs postnatally in defined niches. <i>Nature</i> , 2022, 604, 740-748.	13.7	107
11	Notch3 Is Necessary for Blood Vessel Integrity in the Central Nervous System. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 409-420.	1.1	106
12	Single-Cell RNA-Seq Reveals Cellular Heterogeneity of Pluripotency Transition and X Chromosome Dynamics during Early Mouse Development. <i>Cell Reports</i> , 2019, 26, 2593-2607.e3.	2.9	102
13	Pericytes Stimulate Oligodendrocyte Progenitor Cell Differentiation during CNS Remyelination. <i>Cell Reports</i> , 2017, 20, 1755-1764.	2.9	100
14	Single-Cell Analysis of Blood-Brain Barrier Response to Pericyte Loss. <i>Circulation Research</i> , 2021, 128, e46-e62.	2.0	98
15	Role of Venous Endothelial Cells in Developmental and Pathologic Angiogenesis. <i>Circulation</i> , 2021, 144, 1308-1322.	1.6	66
16	VEGF-B Promotes Endocardium-Derived Coronary Vessel Development and Cardiac Regeneration. <i>Circulation</i> , 2021, 143, 65-77.	1.6	57
17	IDH mutation status is associated with distinct vascular gene expression signatures in lower-grade gliomas. <i>Neuro-Oncology</i> , 2018, 20, 1505-1516.	0.6	52
18	Key molecular alterations in endothelial cells in human glioblastoma uncovered through single-cell RNA sequencing. <i>JCI Insight</i> , 2021, 6, .	2.3	47

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19	The SARS-CoV-2 receptor ACE2 is expressed in mouse pericytes but not endothelial cells: Implications for COVID-19 vascular research. <i>Stem Cell Reports</i> , 2022, 17, 1089-1104.	2.3	41
20	Gpr116 Receptor Regulates Distinctive Functions in Pneumocytes and Vascular Endothelium. <i>PLoS ONE</i> , 2015, 10, e0137949.	1.1	37
21	The endothelial adaptor molecule TSAd is required for VEGF-induced angiogenic sprouting through junctional c-Src activation. <i>Science Signaling</i> , 2016, 9, ra72.	1.6	35
22	Sphingosine 1-phosphate-regulated transcriptomes in heterogenous arterial and lymphatic endothelium of the aorta. <i>ELife</i> , 2020, 9, .	2.8	34
23	The Ion Channel and GPCR Toolkit of Brain Capillary Pericytes. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 601324.	1.8	33
24	Loss of DIP2C in RKO cells stimulates changes in DNA methylation and epithelial-mesenchymal transition. <i>BMC Cancer</i> , 2017, 17, 487.	1.1	29
25	Endothelium-derived lactate is required for pericyte function and blood-brain barrier maintenance. <i>EMBO Journal</i> , 2022, 41, e109890.	3.5	27
26	A role for PDGF-C/PDGFR β signaling in the formation of the meningeal basement membranes surrounding the cerebral cortex. <i>Biology Open</i> , 2016, 5, 461-474.	0.6	26
27	Transposon Mutagenesis Reveals Fludarabine Resistance Mechanisms in Chronic Lymphocytic Leukemia. <i>Clinical Cancer Research</i> , 2016, 22, 6217-6227.	3.2	26
28	Characterization of Platelet-Derived Growth Factor-A Expression in Mouse Tissues Using a lacZ Knock-In Approach. <i>PLoS ONE</i> , 2014, 9, e105477.	1.1	25
29	Angiotensin-1 deficiency increases renal capillary rarefaction and tubulointerstitial fibrosis in mice. <i>PLoS ONE</i> , 2018, 13, e0189433.	1.1	25
30	Radiation Triggers a Dynamic Sequence of Transient Microglial Alterations in Juvenile Brain. <i>Cell Reports</i> , 2020, 31, 107699.	2.9	23
31	Blood-brain barrier alterations in human brain tumors revealed by genome-wide transcriptomic profiling. <i>Neuro-Oncology</i> , 2021, 23, 2095-2106.	0.6	23
32	Molecular insights into the early stage of glomerular injury in IgA nephropathy using single-cell RNA sequencing. <i>Kidney International</i> , 2022, 101, 752-765.	2.6	23
33	Restoration of KMT2C/MLL3 in human colorectal cancer cells reinforces genome-wide H3K4me1 profiles and influences cell growth and gene expression. <i>Clinical Epigenetics</i> , 2020, 12, 74.	1.8	22
34	Prolonged systemic hyperglycemia does not cause pericyte loss and permeability at the mouse blood-brain barrier. <i>Scientific Reports</i> , 2018, 8, 17462.	1.6	19
35	KCNJ8/ABCC9-containing K-ATP channel modulates brain vascular smooth muscle development and neurovascular coupling. <i>Developmental Cell</i> , 2022, 57, 1383-1399.e7.	3.1	16
36	1p/19q co-deletion status is associated with distinct tumor-associated macrophage infiltration in IDH mutated lower-grade gliomas. <i>Cellular Oncology (Dordrecht)</i> , 2021, 44, 193-204.	2.1	14

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37	Transcription factor FOXP2 is a flow-induced regulator of collecting lymphatic vessels. <i>EMBO Journal</i> , 2021, 40, e107192.	3.5	14
38	Common and mutation specific phenotypes of KRAS and BRAF mutations in colorectal cancer cells revealed by integrative -omics analysis. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 225.	3.5	13
39	Somatic <i>PRDM2</i> c.4467delA mutations in colorectal cancers control histone methylation and tumor growth. <i>Oncotarget</i> , 2017, 8, 98646-98659.	0.8	13
40	Female mice lacking <i>Pald1</i> exhibit endothelial cell apoptosis and emphysema. <i>Scientific Reports</i> , 2017, 7, 15453.	1.6	12
41	Lung developmental arrest caused by PDGF-A deletion: consequences for the adult mouse lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L831-L843.	1.3	11
42	<i>GPIHBP1</i> expression in gliomas promotes utilization of lipoprotein-derived nutrients. <i>ELife</i> , 2019, 8, .	2.8	10
43	An Endothelial Gene Signature Score Predicts Poor Outcome in Patients with Endocrine-Treated, Low Genomic Grade Breast Tumors. <i>Clinical Cancer Research</i> , 2016, 22, 2417-2426.	3.2	8
44	A human cell type similar to murine central nervous system perivascular fibroblasts. <i>Experimental Cell Research</i> , 2021, 402, 112576.	1.2	8
45	<i>Wtip-</i> and <i>Gadd45a</i> -Interacting Protein Dendrin Is Not Crucial for the Development or Maintenance of the Glomerular Filtration Barrier. <i>PLoS ONE</i> , 2013, 8, e83133.	1.1	7
46	Uncovering a Distinct Gene Signature in Endothelial Cells Associated With Contrast Enhancement in Glioblastoma. <i>Frontiers in Oncology</i> , 2021, 11, 683367.	1.3	7
47	<i>ELTD1</i> deletion reduces vascular abnormality and improves T-cell recruitment after PD-1 blockade in glioma. <i>Neuro-Oncology</i> , 2022, 24, 398-411.	0.6	7
48	Linking <i>FOXO3</i> , <i>NCOA3</i> , and <i>TCF7L2</i> to Ras pathway phenotypes through a genome-wide forward genetic screen in human colorectal cancer cells. <i>Genome Medicine</i> , 2018, 10, 2.	3.6	6
49	Pericyte dysfunction due to <i>Shb</i> gene deficiency increases B16F10 melanoma lung metastasis. <i>International Journal of Cancer</i> , 2020, 147, 2634-2644.	2.3	6
50	An Integrated Transcriptome Analysis Reveals <i>IGFBP7</i> Upregulation in Vasculature in Traumatic Brain Injury. <i>Frontiers in Genetics</i> , 2020, 11, 599834.	1.1	4
51	A novel podocyte protein, R3h domain containing-like, inhibits TGF- β^2 -induced p38 MAPK and regulates the structure of podocytes and glomerular basement membrane. <i>Journal of Molecular Medicine</i> , 2021, 99, 859-876.	1.7	3
52	The role of Dendrin in IgA Nephropathy. <i>Nephrology Dialysis Transplantation</i> , 0, , .	0.4	3
53	ECO: An Integrated Gene Expression Omnibus for Mouse Endothelial Cells In Vivo. <i>Frontiers in Genetics</i> , 2022, 13, 844544.	1.1	0