

# Lucas Treps

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

4,444  
citations

304602

22  
h-index

289141

40  
g-index

42  
all docs

42  
docs citations

42  
times ranked

7232  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Cell Transcriptome Atlas of Murine Endothelial Cells. <i>Cell</i> , 2020, 180, 764-779.e20.	13.5	755
2	Aberrant methylation of tRNA links cellular stress to neurodevelopmental disorders. <i>EMBO Journal</i> , 2014, 33, 2020-2039.	3.5	490
3	Inhibition of the Glycolytic Activator PFKFB3 in Endothelium Induces Tumor Vessel Normalization, Impairs Metastasis, and Improves Chemotherapy. <i>Cancer Cell</i> , 2016, 30, 968-985.	7.7	464
4	Endothelial Cell Metabolism. <i>Physiological Reviews</i> , 2018, 98, 3-58.	13.1	351
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.	7.7	253
6	Basic and Therapeutic Aspects of Angiogenesis Updated. <i>Circulation Research</i> , 2020, 127, 310-329.	2.0	251
7	Glioblastoma stem-like cells secrete the proangiogenic VEGFA factor in extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2017, 6, 1359479.	5.5	206
8	Endothelial cell metabolism in health and disease: impact of hypoxia. <i>EMBO Journal</i> , 2017, 36, 2187-2203.	3.5	186
9	Quiescent Endothelial Cells Upregulate Fatty Acid $\beta$ -Oxidation for Vasculoprotection via Redox Homeostasis. <i>Cell Metabolism</i> , 2018, 28, 881-894.e13.	7.2	174
10	Single-Cell RNA Sequencing Maps Endothelial Metabolic Plasticity in Pathological Angiogenesis. <i>Cell Metabolism</i> , 2020, 31, 862-877.e14.	7.2	169
11	Impairment of Angiogenesis by Fatty Acid Synthase Inhibition Involves mTOR Malonylation. <i>Cell Metabolism</i> , 2018, 28, 866-880.e15.	7.2	154
12	Role of glutamine synthetase in angiogenesis beyond glutamine synthesis. <i>Nature</i> , 2018, 561, 63-69.	13.7	136
13	Extracellular vesicle-transported Semaphorin3A promotes vascular permeability in glioblastoma. <i>Oncogene</i> , 2016, 35, 2615-2623.	2.6	100
14	Pharmacological targeting of apelin impairs glioblastoma growth. <i>Brain</i> , 2017, 140, 2939-2954.	3.7	70
15	EndoDB: a database of endothelial cell transcriptomics data. <i>Nucleic Acids Research</i> , 2019, 47, D736-D744.	6.5	70
16	Semaphorin 3A elevates endothelial cell permeability through PP2A inactivation. <i>Journal of Cell Science</i> , 2012, 125, 4137-46.	1.2	66
17	Central Role of Metabolism in Endothelial Cell Function and Vascular Disease. <i>Physiology</i> , 2017, 32, 126-140.	1.6	65
18	Endothelial cell metabolism: A novel player in atherosclerosis? Basic principles and therapeutic opportunities. <i>Atherosclerosis</i> , 2016, 253, 247-257.	0.4	62

#	ARTICLE	IF	CITATIONS
19	Manipulating Angiogenesis by Targeting Endothelial Metabolism: Hitting the Engine Rather than the Drivers – A New Perspective?. <i>Pharmacological Reviews</i> , 2016, 68, 872-887.	7.1	49
20	Tumor vessel co-option probed by single-cell analysis. <i>Cell Reports</i> , 2021, 35, 109253.	2.9	44
21	BIOMEX: an interactive workflow for (single cell) omics data interpretation and visualization. <i>Nucleic Acids Research</i> , 2020, 48, W385-W394.	6.5	43
22	Vasculogenic mimicry, a complex and devious process favoring tumorigenesis – Interest in making it a therapeutic target. , 2021, 223, 107805.		42
23	Emerging roles of Semaphorins in the regulation of epithelial and endothelial junctions. <i>Tissue Barriers</i> , 2013, 1, e23272.	1.6	23
24	The E3 ubiquitin ligase <sc>MARCH</sc>3 controls the endothelial barrier. <i>FEBS Letters</i> , 2016, 590, 3660-3668.	1.3	18
25	The role of endothelial cells in cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2019, 18, 752-761.	0.3	17
26	Endothelial Secreted Factors Suppress Mitogen Deprivation-Induced Autophagy and Apoptosis in Glioblastoma Stem-Like Cells. <i>PLoS ONE</i> , 2014, 9, e93505.	1.1	15
27	Desert Hedgehog/Patch2 Axis Contributes to Vascular Permeability and Angiogenesis in Glioblastoma. <i>Frontiers in Pharmacology</i> , 2015, 6, 281.	1.6	15
28	EnLIGHTenment of tumor vessel normalization and immunotherapy in glioblastoma. <i>Journal of Pathology</i> , 2018, 246, 3-6.	2.1	13
29	Critical Roles of Tumor Extracellular Vesicles in the Microenvironment of Thoracic Cancers. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6024.	1.8	12
30	Protocols for endothelial cell isolation from mouse tissues: brain, choroid, lung, and muscle. <i>STAR Protocols</i> , 2021, 2, 100508.	0.5	12
31	The guanine exchange factor SWAP70 mediates vGPCR-induced endothelial plasticity. <i>Cell Communication and Signaling</i> , 2015, 13, 11.	2.7	11
32	Protocols for endothelial cell isolation from mouse tissues: small intestine, colon, heart, and liver. <i>STAR Protocols</i> , 2021, 2, 100489.	0.5	11
33	Transcriptomic analysis of CFTR-impaired endothelial cells reveals a pro-inflammatory phenotype. <i>European Respiratory Journal</i> , 2021, 57, 2000261.	3.1	10
34	RAISEing VEGF-D –™s importance as predictive biomarker for ramucirumab in metastatic colorectal cancer patients. <i>Annals of Oncology</i> , 2018, 29, 529-532.	0.6	7
35	Protocols for endothelial cell isolation from mouse tissues: kidney, spleen, and testis. <i>STAR Protocols</i> , 2021, 2, 100523.	0.5	7
36	<sc>BRAF</sc>, A gatekeeper controlling endothelial permeability. <i>FEBS Journal</i> , 2019, 286, 2273-2276.	2.2	3

#	ARTICLE	IF	CITATIONS
37	Assaying the Action of Secreted Semaphorins on Vascular Permeability. <i>Methods in Molecular Biology</i> , 2017, 1493, 417-427.	0.4	2
38	Comparative meta-analysis of cystic fibrosis cell models suggests partial endothelial-to-mesenchymal transition. <i>Journal of Cystic Fibrosis</i> , 2021, 20, 876-880.	0.3	2
39	Editorial: Tumor Vessels as Directors of the Tumor Microenvironment: New Findings, Current Challenges & Perspectives. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 885670.	1.8	2
40	Endothelial CFTR dysfunction and its involvement in the pathogenesis of pulmonary arterial hypertension. <i>European Respiratory Journal</i> , 2021, 58, 2101645.	3.1	0