Lucas Treps

List of Publications by Year
in descending order

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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	Editorial: Tumor Vessels as Directors of the Tumor Microenvironment: New Findings, Current Challenges & Perspectives. Frontiers in Cell and Developmental Biology, 2022, 10, 885670.	1.8	2
2	Transcriptomic analysis of CFTR-impaired endothelial cells reveals a pro-inflammatory phenotype. European Respiratory Journal, 2021, 57, 2000261.	3.1	10
3	Protocols for endothelial cell isolation from mouse tissues: small intestine, colon, heart, and liver. STAR Protocols, 2021, 2, 100489.	0.5	11
4	Tumor vessel co-option probed by single-cell analysis. Cell Reports, 2021, 35, 109253.	2.9	44
5	Vasculogenic mimicry, a complex and devious process favoring tumorigenesis â€“ Interest in making it a therapeutic target. , 2021, 223, 107805.		42
6	Endothelial CFTR dysfunction and its involvement in the pathogenesis of pulmonary arterial hypertension. European Respiratory Journal, 2021, 58, 2101645.	3.1	0
7	Protocols for endothelial cell isolation from mouse tissues: kidney, spleen, and testis. STAR Protocols, 2021, 2, 100523.	0.5	7
8	Comparative meta-analysis of cystic fibrosis cell models suggests partial endothelial-to-mesenchymal transition. Journal of Cystic Fibrosis, 2021, 20, 876-880.	0.3	2
9	Protocols for endothelial cell isolation from mouse tissues: brain, choroid, lung, and muscle. STAR Protocols, 2021, 2, 100508.	0.5	12
10	Critical Roles of Tumor Extracellular Vesicles in the Microenvironment of Thoracic Cancers. International Journal of Molecular Sciences, 2020, 21, 6024.	1.8	12
11	BIOMEX: an interactive workflow for (single cell) omics data interpretation and visualization. Nucleic Acids Research, 2020, 48, W385-W394.	6.5	43
12	Basic and Therapeutic Aspects of Angiogenesis Updated. Circulation Research, 2020, 127, 310-329.	2.0	251
13	Single-Cell Transcriptome Atlas of Murine Endothelial Cells. Cell, 2020, 180, 764-779.e20.	13.5	755
14	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
15	Single-Cell RNA Sequencing Maps Endothelial Metabolic Plasticity in Pathological Angiogenesis. Cell Metabolism, 2020, 31, 862-877.e14.	7.2	169
16	The role of endothelial cells in cystic fibrosis. Journal of Cystic Fibrosis, 2019, 18, 752-761.	0.3	17
17	<scp>BRAF</scp>, A gatekeeper controlling endothelial permeability. FEBS Journal, 2019, 286, 2273-2276.	2.2	3
18	EndoDB: a database of endothelial cell transcriptomics data. Nucleic Acids Research, 2019, 47, D736-D744.	6.5	70

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19	RAISEing VEGF-Dâ€™s importance as predictive biomarker for ramucirumab in metastatic colorectal cancer patients. Annals of Oncology, 2018, 29, 529-532.	0.6	7
20	Endothelial Cell Metabolism. Physiological Reviews, 2018, 98, 3-58.	13.1	351
21	Role of glutamine synthetase in angiogenesis beyond glutamine synthesis. Nature, 2018, 561, 63-69.	13.7	136
22	Quiescent Endothelial Cells Upregulate Fatty Acid Î²-Oxidation for Vasculoprotection via Redox Homeostasis. Cell Metabolism, 2018, 28, 881-894.e13.	7.2	174
23	Impairment of Angiogenesis by Fatty Acid Synthase Inhibition Involves mTOR Malonylation. Cell Metabolism, 2018, 28, 866-880.e15.	7.2	154
24	EnLIGHTenment of tumor vessel normalization and immunotherapy in glioblastoma. Journal of Pathology, 2018, 246, 3-6.	2.1	13
25	Endothelial cell metabolism in health and disease: impact of hypoxia. EMBO Journal, 2017, 36, 2187-2203.	3.5	186
26	Central Role of Metabolism in Endothelial Cell Function and Vascular Disease. Physiology, 2017, 32, 126-140.	1.6	65
27	Glioblastoma stemâ€like cells secrete the proâ€angiogenic VEGFâ€A factor in extracellular vesicles. Journal of Extracellular Vesicles, 2017, 6, 1359479.	5.5	206
28	Assaying the Action of Secreted Semaphorins on Vascular Permeability. Methods in Molecular Biology, 2017, 1493, 417-427.	0.4	2
29	Pharmacological targeting of apelin impairs glioblastoma growth. Brain, 2017, 140, 2939-2954.	3.7	70
30	Manipulating Angiogenesis by Targeting Endothelial Metabolism: Hitting the Engine Rather than the Driversâ€”A New Perspective?. Pharmacological Reviews, 2016, 68, 872-887.	7.1	49
31	The E3 ubiquitin ligase <scp>MARCH</scp>3 controls the endothelial barrier. FEBS Letters, 2016, 590, 3660-3668.	1.3	18
32	Endothelial cell metabolism: A novel player in atherosclerosis? Basic principles and therapeutic opportunities. Atherosclerosis, 2016, 253, 247-257.	0.4	62
33	Inhibition of the Glycolytic Activator PFKFB3 in Endothelium Induces Tumor Vessel Normalization, Impairs Metastasis, and Improves Chemotherapy. Cancer Cell, 2016, 30, 968-985.	7.7	464
34	Extracellular vesicle-transported Semaphorin3A promotes vascular permeability in glioblastoma. Oncogene, 2016, 35, 2615-2623.	2.6	100
35	Desert Hedgehog/Patch2 Axis Contributes to Vascular Permeability and Angiogenesis in Glioblastoma. Frontiers in Pharmacology, 2015, 6, 281.	1.6	15
36	The guanine exchange factor SWAP70 mediates vGPCR-induced endothelial plasticity. Cell Communication and Signaling, 2015, 13, 11.	2.7	11

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37	Endothelial Secreted Factors Suppress Mitogen Deprivation-Induced Autophagy and Apoptosis in Glioblastoma Stem-Like Cells. PLoS ONE, 2014, 9, e93505.	1.1	15
38	Aberrant methylation of t<scp>RNA</scp>s links cellular stress to neuroâ€developmental disorders. EMBO Journal, 2014, 33, 2020-2039.	3.5	490
39	Emerging roles of Semaphorins in the regulation of epithelial and endothelial junctions. Tissue Barriers, 2013, 1, e23272.	1.6	23
40	Semaphorin 3A elevates endothelial cell permeability through PP2A inactivation. Journal of Cell Science, 2012, 125, 4137-46.	1.2	66