Michael Vanlandewijck

List of Publications by Year
in descending order

29	3,577	393982 19	454577 30
papers	citations	h-index	g-index

35	35	35	6527
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A molecular atlas of cell types and zonation in the brain vasculature. Nature, 2018, 554, 475-480.	13.7	1,310
2	Regulation of EMT by TGFÎ² in cancer. FEBS Letters, 2012, 586, 1959-1970.	1.3	435
3	Single-cell analysis uncovers fibroblast heterogeneity and criteria for fibroblast and mural cell identification and discrimination. Nature Communications, 2020, 11, 3953.	5.8	316
4	Single-cell RNA sequencing of mouse brain and lung vascular and vessel-associated cell types. Scientific Data, 2018, 5, 180160.	2.4	316
5	Analysis of the brain mural cell transcriptome. Scientific Reports, 2016, 6, 35108.	1.6	185
6	Notch signaling is necessary for epithelial growth arrest by TGF-Î². Journal of Cell Biology, 2007, 176, 695-707.	2.3	126
7	Single-Cell Analysis of Blood-Brain Barrier Response to Pericyte Loss. Circulation Research, 2021, 128, e46-e62.	2.0	98
8	A Single-Cell Transcriptional Roadmap of the Mouse and Human Lymph Node Lymphatic Vasculature. Frontiers in Cardiovascular Medicine, 2020, 7, 52.	1.1	97
9	Functional Characterization of Germline Mutations in PDGFB and PDGFRB in Primary Familial Brain Calcification. PLoS ONE, 2015, 10, e0143407.	1.1	77
10	TGFÎ² induces SIK to negatively regulate type I receptor kinase signaling. Journal of Cell Biology, 2008, 182, 655-662.	2.3	69
11	Claudin-3-deficient C57BL/6J mice display intact brain barriers. Scientific Reports, 2019, 9, 203.	1.6	68
12	Integrative discovery of treatments for high-risk neuroblastoma. Nature Communications, 2020, 11, 71.	5.8	42
13	The SARS-CoV-2 receptor ACE2 is expressed in mouse pericytes but not endothelial cells: Implications for COVID-19 vascular research. Stem Cell Reports, 2022, 17, 1089-1104.	2.3	41
14	Gpr116 Receptor Regulates Distinctive Functions in Pneumocytes and Vascular Endothelium. PLoS ONE, 2015, 10, e0137949.	1.1	37
15	Heterogeneity and plasticity in healthy and atherosclerotic vasculature explored by single-cell sequencing. Cardiovascular Research, 2019, 115, 1705-1715.	1.8	36
16	Sphingosine 1-phosphate-regulated transcriptomes in heterogenous arterial and lymphatic endothelium of the aorta. ELife, 2020, 9, .	2.8	34
17	Transcriptional Induction of Salt-inducible Kinase 1 by Transforming Growth Factor Î² Leads to Negative Regulation of Type I Receptor Signaling in Cooperation with the Smurf2 Ubiquitin Ligase. Journal of Biological Chemistry, 2012, 287, 12867-12878.	1.6	27
18	Angiopoietin-1 deficiency increases renal capillary rarefaction and tubulointerstitial fibrosis in mice. PLoS ONE, 2018, 13, e0189433.	1.1	25

#	Article	IF	Citations
19	ADAMTS18+ villus tip telocytes maintain a polarized VEGFA signaling domain and fenestrations in nutrient-absorbing intestinal blood vessels. Nature Communications, 2022, 13, .	5.8	20
20	Fine-Tuning of Smad Protein Function by Poly(ADP-Ribose) Polymerases and Poly(ADP-Ribose) Glycohydrolase during Transforming Growth Factor Î² Signaling. PLoS ONE, 2014, 9, e103651.	1.1	19
21	Prolonged systemic hyperglycemia does not cause pericyte loss and permeability at the mouse blood-brain barrier. Scientific Reports, 2018, 8, 17462.	1.6	19
22	Astrocyteâ€“microglial association and matrix composition are common events in the natural history of primary familial brain calcification. Brain Pathology, 2020, 30, 446-464.	2.1	18
23	Single-Cell mRNA Sequencing of the Mouse Brain Vasculature. Methods in Molecular Biology, 2018, 1846, 309-324.	0.4	16
24	Female mice lacking Pald1 exhibit endothelial cell apoptosis and emphysema. Scientific Reports, 2017, 7, 15453.	1.6	12
25	The protein kinase SIK downregulates the polarity protein Par3. Oncotarget, 2018, 9, 5716-5735.	0.8	11
26	The infantile myofibromatosis NOTCH3 L1519P mutation leads to hyperactivated ligand-independent Notch signaling and increased PDGFRB expression. DMM Disease Models and Mechanisms, 2021, 14, .	1.2	9
27	A human cell type similar to murine central nervous system perivascular fibroblasts. Experimental Cell Research, 2021, 402, 112576.	1.2	8
28	CD49b identifies functionally and epigenetically distinct subsets of lineage-biased hematopoietic stem cells. Stem Cell Reports, 2022, , .	2.3	5
29	3126 â€“ HEMATOPOIETIC STEM CELLS WITH LYMPHOID BIAS ARE MARKED BY CD49B. Experimental Hematology, 2021, 100, S103.	0.2	0