Stefan Liebner

List of Publications by Year
in descending order

70 papers	7,112 citations	76294 40 h-index	106281 65 g-index
73 all docs	73 docs citations	73 times ranked	9299 citing authors

#	Article	IF	Citations
1	Wnt/Î²-catenin signaling controls development of the bloodâ€"brain barrier. Journal of Cell Biology, 2008, 183, 409-417.	2.3	680
2	Endothelial PDGF-B retention is required for proper investment of pericytes in the microvessel wall. Genes and Development, 2003, 17, 1835-1840.	2.7	557
3	Functional morphology of the bloodâ€"brain barrier in health and disease. Acta Neuropathologica, 2018, 135, 311-336.	3.9	543
4	Claudin-1 and claudin-5 expression and tight junction morphology are altered in blood vessels of human glioblastoma multiforme. Acta Neuropathologica, 2000, 100, 323-331.	3.9	412
5	Localization of claudin-3 in tight junctions of the blood-brain barrier is selectively lost during experimental autoimmune encephalomyelitis and human glioblastoma multiforme. Acta Neuropathologica, 2003, 105, 586-592.	3.9	392
6	Î²-Catenin is required for endothelial-mesenchymal transformation during heart cushion development in the mouse. Journal of Cell Biology, 2004, 166, 359-367.	2.3	344
7	The conditional inactivation of the Î²-catenin gene in endothelial cells causes a defective vascular pattern and increased vascular fragility. Journal of Cell Biology, 2003, 162, 1111-1122.	2.3	297
8	Novel insights into the development and maintenance of the bloodâ€"brain barrier. Cell and Tissue Research, 2014, 355, 687-699.	1.5	236
9	Current concepts of blood-brain barrier development. International Journal of Developmental Biology, 2011, 55, 467-476.	0.3	185
10	Correlation of tight junction morphology with the expression of tight junction proteins in blood-brain barrier endothelial cells. European Journal of Cell Biology, 2000, 79, 707-717.	1.6	176
11	Claudin-1, claudin-2 and claudin-11 are present in tight junctions of choroid plexus epithelium of the mouse. Neuroscience Letters, 2001, 307, 77-80.	1.0	173
12	Wnt signaling in the vasculature. Experimental Cell Research, 2013, 319, 1317-1323.	1.2	168
13	VE-cadherin is a critical endothelial regulator of TGF-Î² signalling. EMBO Journal, 2008, 27, 993-1004.	3.5	146
14	Endothelial cadherins and tumor angiogenesis. Experimental Cell Research, 2006, 312, 659-667.	1.2	134
15	Endothelial Wnt/Î²-catenin signaling inhibits glioma angiogenesis and normalizes tumor blood vessels by inducing PDGF-B expression. Journal of Experimental Medicine, 2012, 209, 1611-1627.	4.2	127
16	Vascular morphogenesis: a Wnt for every vessel?. Current Opinion in Genetics and Development, 2009, 19, 476-483.	1.5	120
17	Angiopoietin-2-induced bloodâ€"brain barrier compromise and increased stroke size are rescued by VE-PTP-dependent restoration of Tie2 signaling. Acta Neuropathologica, 2016, 131, 753-773.	3.9	120
18	Endoglin Null Endothelial Cells Proliferate Faster and Are More Responsive to Transforming Growth Factor Î²1 with Higher Affinity Receptors and an Activated Alk1 Pathway. Journal of Biological Chemistry, 2005, 280, 27800-27808.	1.6	118

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19	Structural alterations of tight junctions are associated with loss of polarity in stroke-prone spontaneously hypertensive rat bloodâ€"brain barrier endothelial cells. Brain Research, 2000, 885, 251-261.	1.1	117
20	Differentiation of the brain vasculature: the answer came blowing by the Wnt. Journal of Angiogenesis Research, 2010, 2, 1.	2.9	117
21	In Vitro Models of the Bloodâ€"Brain Barrier. Methods in Molecular Biology, 2014, 1135, 415-437.	0.4	116
22	Inhibition of soluble epoxide hydrolase prevents diabetic retinopathy. Nature, 2017, 552, 248-252.	13.7	113
23	Organization of choroid plexus epithelial and endothelial cell tight junctions and regulation of claudin-1, -2 and -5 expression by protein kinase C. NeuroReport, 2000, 11, 1427-1431.	0.6	107
24	The Multiple Languages of Endothelial Cell-to-Cell Communication. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 1431-1438.	1.1	98
25	Wnt Activation of Immortalized Brain Endothelial Cells as a Tool for Generating a Standardized Model of the Blood Brain Barrier In Vitro. PLoS ONE, 2013, 8, e70233.	1.1	91
26	NADPH oxidase Nox1 contributes to ischemic injury in experimental stroke in mice. Neurobiology of Disease, 2010, 40, 185-192.	2.1	84
27	Caveolin-1 opens endothelial cell junctions by targeting catenins. Cardiovascular Research, 2012, 93, 130-140.	1.8	76
28	The Wnt/Planar Cell Polarity Signaling Pathway Contributes to the Integrity of Tight Junctions in Brain Endothelial Cells. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 433-440.	2.4	72
29	The Wnt Antagonist Dickkopf-1 Mobilizes Vasculogenic Progenitor Cells via Activation of the Bone Marrow Endosteal Stem Cell Niche. Circulation Research, 2008, 103, 796-803.	2.0	68
30	Astrocyte-derived Wnt growth factors are required for endothelial blood-brain barrier maintenance. Progress in Neurobiology, 2021, 199, 101937.	2.8	68
31	Engineered Wnt ligands enable blood-brain barrier repair in neurological disorders. Science, 2022, 375, eabm4459.	6.0	67
32	Soluble epoxide hydrolase regulates hematopoietic progenitor cell function via generation of fatty acid diols. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9995-10000.	3.3	60
33	Low wnt/Î²-catenin signaling determines leaky vessels in the subfornical organ and affects water homeostasis in mice. ELife, 2019, 8, .	2.8	60
34	Acute myocardial infarction activates progenitor cells and increases Wnt signalling in the bone marrow. European Heart Journal, 2012, 33, 1911-1919.	1.0	58
35	Tight junctions in the bloodâ€"brain barrier promote edema formation and infarct size in stroke â€" Ambivalent effects of sealing proteins. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 132-145.	2.4	58
36	N-cadherin expression in endothelial cells during early angiogenesis in the eye and brain of the chicken: relation to blood-retina and blood-brain barrier development*. European Journal of Neuroscience, 1999, 11, 1191-1201.	1.2	54

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37	BACE-1 is expressedÂin the bloodâ€"brain barrier endothelium and is upregulated in a murine model of Alzheimerâ€™s disease. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1281-1294.	2.4	53
38	Soluble Epoxide Hydrolase Deficiency Attenuates Neointima Formation in the Femoral Cuff Model of Hyperlipidemic Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 909-914.	1.1	52
39	Î²-Catenin-Gli1 interaction regulates proliferation and tumor growth in medulloblastoma. Molecular Cancer, 2015, 14, 17.	7.9	51
40	The Pecten Oculi of the Chicken: A Model System for Vascular Differentiation and Barrier Maturation. International Review of Cytology, 1999, 187, 111-159.	6.2	45
41	Î²-Catenin Is Required for Endothelial Cyp1b1 Regulation Influencing Metabolic Barrier Function. Journal of Neuroscience, 2016, 36, 8921-8935.	1.7	37
42	Shear stress-regulated miR-27b controls pericyte recruitment by repressing SEMA6A and SEMA6D. Cardiovascular Research, 2017, 113, 681-691.	1.8	37
43	Profiling the neurovascular unit unveils detrimental effects of osteopontin on the bloodâ€"brain barrier in acute ischemic stroke. Acta Neuropathologica, 2022, 144, 305-337.	3.9	37
44	The pecten oculi of the chicken as a new in vivo model of the blood-brain barrier. Cell and Tissue Research, 1996, 285, 91-100.	1.5	36
45	Sonic Hedgehog Acts as a Negative Regulator of Î²-Catenin Signaling in the Adult Tongue Epithelium. American Journal of Pathology, 2010, 177, 404-414.	1.9	36
46	Maturation of the bloodâ€"retina barrier in the developing pecten oculi of the chicken. Developmental Brain Research, 1997, 100, 205-219.	2.1	35
47	Structure and Function of the Bloodâ€"Brain Barrier (BBB). Handbook of Experimental Pharmacology, 2020, , 3-31.	0.9	34
48	Norrin restores blood-retinal barrier properties after vascular endothelial growth factorâ€"induced permeability. Journal of Biological Chemistry, 2020, 295, 4647-4660.	1.6	28
49	Developmental regulation of barrierâ€•and nonâ€barrier blood vessels in the CNS. Journal of Internal Medicine, 2022, 292, 31-46.	2.7	27
50	Personalized translational epilepsy research â€" Novel approaches and future perspectives. Epilepsy and Behavior, 2017, 76, 13-18.	0.9	26
51	Nucleoside Diphosphate Kinase B Regulates Angiogenesis Through Modulation of Vascular Endothelial Growth Factor Receptor Type 2 and Endothelial Adherens Junction Proteins. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 2292-2300.	1.1	25
52	EphrinB-mediated reverse signalling controls junctional integrity and pro-inflammatory differentiation of endothelial cells. Thrombosis and Haemostasis, 2014, 112, 151-163.	1.8	21
53	Freeze-Fracture Studies of Cerebral Endothelial Tight Junctions. , 2003, 89, 51-66.		18
54	Multiple Antenatal Dexamethasone Treatment Alters Brain Vessel Differentiation in Newborn Mouse Pups. PLoS ONE, 2015, 10, e0136221.	1.1	14

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55	Personalized translational epilepsy research â€" Novel approaches and future perspectives. Epilepsy and Behavior, 2017, 76, 7-12.	0.9	14
56	Nucleoside diphosphate kinase B regulates angiogenic responses in the endothelium via caveolae formation and c-Src-mediated caveolin-1 phosphorylation. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 2471-2484.	2.4	12
57	Increased Efflux of Amyloid-Î² Peptides through the Blood-Brain Barrier by Muscarinic Acetylcholine Receptor Inhibition Reduces Pathological Phenotypes in Mouse Models of Brain Amyloidosis. Journal of Alzheimer's Disease, 2013, 38, 767-786.	1.2	11
58	Blood-Brain Barrier Breakdown Determines Differential Therapeutic Outcome in Genetically Diverse Forms of Medulloblastoma. Cancer Cell, 2016, 29, 427-429.	7.7	10
59	Pericytes/vessel-associated mural cells (VAMCs) are the major source of key epithelial-mesenchymal transition (EMT) factors SLUG and TWIST in human glioma. Oncotarget, 2018, 9, 24041-24053.	0.8	8
60	Rhodocetin-Î±Î² selectively breaks the endothelial barrier of the tumor vasculature in HT1080 fibrosarcoma and A431 epidermoid carcinoma tumor models. Oncotarget, 2018, 9, 22406-22422.	0.8	6
61	<scp>P</scp>aired box gene 8 (<scp>PAX8</scp>) expression is associated with sonic hedgehog (<scp>SHH</scp>)/wingless int (<scp>WNT</scp>) subtypes, desmoplastic histology and patient survival in human medulloblastomas. Neuropathology and Applied Neurobiology, 2015, 41, 165-179.	1.8	4
62	In vivo fate mapping with SCL regulatory elements identifies progenitors for primitive and definitive hematopoiesis in mice. Mechanisms of Development, 2009, 126, 863-872.	1.7	3
63	Sonic hedgehog causes mural cells to jump â€˜nâ€™ run. Blood, 2014, 123, 2285-2286.	0.6	2
64	Blood Vessels in the Brain: A Signaling Hub in Brain Tumor Inflammation. , 2017, , 253-277.		2
65	The splicingâ€regulatory lncRNA NTRAS sustains vascular integrity. EMBO Reports, 2022, , e54157.	2.0	2
66	The Fountain of Youth: Itâ€™s All in Our Veins. Neuron, 2018, 100, 9-11.	3.8	1
67	Role of the soluble epoxide hydrolase in the hair follicle stem cell homeostasis and hair growth. Pflugers Archiv European Journal of Physiology, 2022, 474, 1021-1035.	1.3	1
68	Entwicklung und Pathologie der Blut-Hirn-Schranken-GefÃÃŸe. E-Neuroforum, 2000, 6, 249-256.	0.2	0
69	Role of Î²-Catenin in Endothelial Cell Function. , 2007, , 773-783.		0
70	Cerebellar Hemorrhage in Extremely Low Birth Weight Siblings: Is There a Familial Disposition?. Journal of Child Neurology, 2011, 26, 767-769.	0.7	0