

# Stefan Liebner

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Developmental regulation of barrier and non-barrier blood vessels in the CNS. <i>Journal of Internal Medicine</i> , 2022, 292, 31-46.	2.7	27
2	Engineered Wnt ligands enable blood-brain barrier repair in neurological disorders. <i>Science</i> , 2022, 375, eabm4459.	6.0	67
3	The splicing-regulatory lncRNA NTRAS sustains vascular integrity. <i>EMBO Reports</i> , 2022, , e54157.	2.0	2
4	Role of the soluble epoxide hydrolase in the hair follicle stem cell homeostasis and hair growth. <i>Pflügers Archiv European Journal of Physiology</i> , 2022, 474, 1021-1035.	1.3	1
5	Profiling the neurovascular unit unveils detrimental effects of osteopontin on the blood-brain barrier in acute ischemic stroke. <i>Acta Neuropathologica</i> , 2022, 144, 305-337.	3.9	37
6	Tight junctions in the blood-brain barrier promote edema formation and infarct size in stroke - Ambivalent effects of sealing proteins. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 132-145.	2.4	58
7	Astrocyte-derived Wnt growth factors are required for endothelial blood-brain barrier maintenance. <i>Progress in Neurobiology</i> , 2021, 199, 101937.	2.8	68
8	Structure and Function of the Blood-Brain Barrier (BBB). <i>Handbook of Experimental Pharmacology</i> , 2020, , 3-31.	0.9	34
9	Norrin restores blood-retinal barrier properties after vascular endothelial growth factor-induced permeability. <i>Journal of Biological Chemistry</i> , 2020, 295, 4647-4660.	1.6	28
10	Low wnt/ $\beta$ -catenin signaling determines leaky vessels in the subfornical organ and affects water homeostasis in mice. <i>ELife</i> , 2019, 8, .	2.8	60
11	Functional morphology of the blood-brain barrier in health and disease. <i>Acta Neuropathologica</i> , 2018, 135, 311-336.	3.9	543
12	The Fountain of Youth: It's All in Our Veins. <i>Neuron</i> , 2018, 100, 9-11.	3.8	1
13	Rhodocetin- $\beta$ selectively breaks the endothelial barrier of the tumor vasculature in HT1080 fibrosarcoma and A431 epidermoid carcinoma tumor models. <i>Oncotarget</i> , 2018, 9, 22406-22422.	0.8	6
14	Pericytes/vessel-associated mural cells (VAMCs) are the major source of key epithelial-mesenchymal transition (EMT) factors SLUG and TWIST in human glioma. <i>Oncotarget</i> , 2018, 9, 24041-24053.	0.8	8
15	Blood Vessels in the Brain: A Signaling Hub in Brain Tumor Inflammation. , 2017, , 253-277.		2
16	Shear stress-regulated miR-27b controls pericyte recruitment by repressing SEMA6A and SEMA6D. <i>Cardiovascular Research</i> , 2017, 113, 681-691.	1.8	37
17	Personalized translational epilepsy research - Novel approaches and future perspectives. <i>Epilepsy and Behavior</i> , 2017, 76, 7-12.	0.9	14
18	Personalized translational epilepsy research - Novel approaches and future perspectives. <i>Epilepsy and Behavior</i> , 2017, 76, 13-18.	0.9	26

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19	Nucleoside diphosphate kinase B regulates angiogenic responses in the endothelium via caveolae formation and c-Src-mediated caveolin-1 phosphorylation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 2471-2484.	2.4	12
20	Inhibition of soluble epoxide hydrolase prevents diabetic retinopathy. <i>Nature</i> , 2017, 552, 248-252.	13.7	113
21	Blood-Brain Barrier Breakdown Determines Differential Therapeutic Outcome in Genetically Diverse Forms of Medulloblastoma. <i>Cancer Cell</i> , 2016, 29, 427-429.	7.7	10
22	Î²-Catenin Is Required for Endothelial Cyp1b1 Regulation Influencing Metabolic Barrier Function. <i>Journal of Neuroscience</i> , 2016, 36, 8921-8935.	1.7	37
23	BACE-1 is expressed in the blood-brain barrier endothelium and is upregulated in a murine model of Alzheimer's disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1281-1294.	2.4	53
24	Angiotensin-2-induced blood-brain barrier compromise and increased stroke size are rescued by VE-PTP-dependent restoration of Tie2 signaling. <i>Acta Neuropathologica</i> , 2016, 131, 753-773.	3.9	120
25	Multiple Antenatal Dexamethasone Treatment Alters Brain Vessel Differentiation in Newborn Mouse Pups. <i>PLoS ONE</i> , 2015, 10, e0136221.	1.1	14
26	Î²-Catenin-Gli1 interaction regulates proliferation and tumor growth in medulloblastoma. <i>Molecular Cancer</i> , 2015, 14, 17.	7.9	51
27	Pax8 expression is associated with sonic hedgehog (SHH)/wingless int (WNT) subtypes, desmoplastic histology and patient survival in human medulloblastomas. <i>Neuropathology and Applied Neurobiology</i> , 2015, 41, 165-179.	1.8	4
28	EphrinB-mediated reverse signalling controls junctional integrity and pro-inflammatory differentiation of endothelial cells. <i>Thrombosis and Haemostasis</i> , 2014, 112, 151-163.	1.8	21
29	In Vitro Models of the Blood-Brain Barrier. <i>Methods in Molecular Biology</i> , 2014, 1135, 415-437.	0.4	116
30	The Wnt/Planar Cell Polarity Signaling Pathway Contributes to the Integrity of Tight Junctions in Brain Endothelial Cells. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 433-440.	2.4	72
31	Novel insights into the development and maintenance of the blood-brain barrier. <i>Cell and Tissue Research</i> , 2014, 355, 687-699.	1.5	236
32	Nucleoside Diphosphate Kinase B Regulates Angiogenesis Through Modulation of Vascular Endothelial Growth Factor Receptor Type 2 and Endothelial Adherens Junction Proteins. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 2292-2300.	1.1	25
33	Sonic hedgehog causes mural cells to jump and run. <i>Blood</i> , 2014, 123, 2285-2286.	0.6	2
34	Wnt signaling in the vasculature. <i>Experimental Cell Research</i> , 2013, 319, 1317-1323.	1.2	168
35	Wnt Activation of Immortalized Brain Endothelial Cells as a Tool for Generating a Standardized Model of the Blood Brain Barrier In Vitro. <i>PLoS ONE</i> , 2013, 8, e70233.	1.1	91
36	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. <i>Journal of Alzheimer's Disease</i> , 2013, 38, 767-786.	1.2	11

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37	Caveolin-1 opens endothelial cell junctions by targeting catenins. <i>Cardiovascular Research</i> , 2012, 93, 130-140.	1.8	76
38	Soluble epoxide hydrolase regulates hematopoietic progenitor cell function via generation of fatty acid diols. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9995-10000.	3.3	60
39	Acute myocardial infarction activates progenitor cells and increases Wnt signalling in the bone marrow. <i>European Heart Journal</i> , 2012, 33, 1911-1919.	1.0	58
40	Endothelial Wnt/ $\beta$ -catenin signaling inhibits glioma angiogenesis and normalizes tumor blood vessels by inducing PDGF-B expression. <i>Journal of Experimental Medicine</i> , 2012, 209, 1611-1627.	4.2	127
41	Cerebellar Hemorrhage in Extremely Low Birth Weight Siblings: Is There a Familial Disposition?. <i>Journal of Child Neurology</i> , 2011, 26, 767-769.	0.7	0
42	Current concepts of blood-brain barrier development. <i>International Journal of Developmental Biology</i> , 2011, 55, 467-476.	0.3	185
43	NADPH oxidase Nox1 contributes to ischemic injury in experimental stroke in mice. <i>Neurobiology of Disease</i> , 2010, 40, 185-192.	2.1	84
44	Differentiation of the brain vasculature: the answer came blowing by the Wnt. <i>Journal of Angiogenesis Research</i> , 2010, 2, 1.	2.9	117
45	Soluble Epoxide Hydrolase Deficiency Attenuates Neointima Formation in the Femoral Cuff Model of Hyperlipidemic Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 909-914.	1.1	52
46	Sonic Hedgehog Acts as a Negative Regulator of $\beta$ -Catenin Signaling in the Adult Tongue Epithelium. <i>American Journal of Pathology</i> , 2010, 177, 404-414.	1.9	36
47	Vascular morphogenesis: a Wnt for every vessel?. <i>Current Opinion in Genetics and Development</i> , 2009, 19, 476-483.	1.5	120
48	In vivo fate mapping with SCL regulatory elements identifies progenitors for primitive and definitive hematopoiesis in mice. <i>Mechanisms of Development</i> , 2009, 126, 863-872.	1.7	3
49	VE-cadherin is a critical endothelial regulator of TGF- $\beta$ signalling. <i>EMBO Journal</i> , 2008, 27, 993-1004.	3.5	146
50	Wnt/ $\beta$ -catenin signaling controls development of the blood-brain barrier. <i>Journal of Cell Biology</i> , 2008, 183, 409-417.	2.3	680
51	The Wnt Antagonist Dickkopf-1 Mobilizes Vasculogenic Progenitor Cells via Activation of the Bone Marrow Endosteal Stem Cell Niche. <i>Circulation Research</i> , 2008, 103, 796-803.	2.0	68
52	Role of $\beta$ -Catenin in Endothelial Cell Function. , 2007, , 773-783.		0
53	Endothelial cadherins and tumor angiogenesis. <i>Experimental Cell Research</i> , 2006, 312, 659-667.	1.2	134
54	The Multiple Languages of Endothelial Cell-to-Cell Communication. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 1431-1438.	1.1	98

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55	Endoglin Null Endothelial Cells Proliferate Faster and Are More Responsive to Transforming Growth Factor $\beta$ 1 with Higher Affinity Receptors and an Activated Alk1 Pathway. <i>Journal of Biological Chemistry</i> , 2005, 280, 27800-27808.	1.6	118
56	$\beta$ -Catenin is required for endothelial-mesenchymal transformation during heart cushion development in the mouse. <i>Journal of Cell Biology</i> , 2004, 166, 359-367.	2.3	344
57	Localization of claudin-3 in tight junctions of the blood-brain barrier is selectively lost during experimental autoimmune encephalomyelitis and human glioblastoma multiforme. <i>Acta Neuropathologica</i> , 2003, 105, 586-592.	3.9	392
58	Endothelial PDGF-B retention is required for proper investment of pericytes in the microvessel wall. <i>Genes and Development</i> , 2003, 17, 1835-1840.	2.7	557
59	The conditional inactivation of the $\beta$ -catenin gene in endothelial cells causes a defective vascular pattern and increased vascular fragility. <i>Journal of Cell Biology</i> , 2003, 162, 1111-1122.	2.3	297
60	Freeze-Fracture Studies of Cerebral Endothelial Tight Junctions. , 2003, 89, 51-66.		18
61	Claudin-1, claudin-2 and claudin-11 are present in tight junctions of choroid plexus epithelium of the mouse. <i>Neuroscience Letters</i> , 2001, 307, 77-80.	1.0	173
62	Organization of choroid plexus epithelial and endothelial cell tight junctions and regulation of claudin-1, -2 and -5 expression by protein kinase C. <i>NeuroReport</i> , 2000, 11, 1427-1431.	0.6	107
63	Correlation of tight junction morphology with the expression of tight junction proteins in blood-brain barrier endothelial cells. <i>European Journal of Cell Biology</i> , 2000, 79, 707-717.	1.6	176
64	Structural alterations of tight junctions are associated with loss of polarity in stroke-prone spontaneously hypertensive rat blood-brain barrier endothelial cells. <i>Brain Research</i> , 2000, 885, 251-261.	1.1	117
65	Claudin-1 and claudin-5 expression and tight junction morphology are altered in blood vessels of human glioblastoma multiforme. <i>Acta Neuropathologica</i> , 2000, 100, 323-331.	3.9	412
66	Entwicklung und Pathologie der Blut-Hirn-Schranken-GefäÙe. <i>E-Neuroforum</i> , 2000, 6, 249-256.	0.2	0
67	The Pecten Oculi of the Chicken: A Model System for Vascular Differentiation and Barrier Maturation. <i>International Review of Cytology</i> , 1999, 187, 111-159.	6.2	45
68	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*. <i>European Journal of Neuroscience</i> , 1999, 11, 1191-1201.	1.2	54
69	Maturation of the blood-brain barrier in the developing pecten oculi of the chicken. <i>Developmental Brain Research</i> , 1997, 100, 205-219.	2.1	35
70	The pecten oculi of the chicken as a new in vivo model of the blood-brain barrier. <i>Cell and Tissue Research</i> , 1996, 285, 91-100.	1.5	36