Urban Deutsch

List of Publications by Year
in descending order

77 papers	12,143 citations	57758 44 h-index	74163 75 g-index
78 all docs	78 docs citations	78 times ranked	12496 citing authors

#	Article	IF	Citations
1	ACKR1 favors transcellular over paracellular Tâ€cell diapedesis across the bloodâ€brain barrier in neuroinflammation in vitro. European Journal of Immunology, 2022, 52, 161-177.	2.9	15
2	Loss of Claudin-3 Impairs Hepatic Metabolism, Biliary Barrier Function, and Cell Proliferation in the Murine Liver. Cellular and Molecular Gastroenterology and Hepatology, 2021, 12, 745-767.	4.5	5
3	Brain endothelial tricellular junctions as novel sites for T cell diapedesis across the bloodâ€“brain barrier. Journal of Cell Science, 2021, 134, .	2.0	37
4	CD31 (PECAM-1) Serves as the Endothelial Cell-Specific Receptor of Clostridium perfringens Î²-Toxin. Cell Host and Microbe, 2020, 28, 69-78.e6.	11.0	28
5	Claudin-12 is not required for bloodâ€“brain barrier tight junction function. Fluids and Barriers of the CNS, 2019, 16, 30.	5.0	45
6	Claudin-3-deficient C57BL/6J mice display intact brain barriers. Scientific Reports, 2019, 9, 203.	3.3	68
7	PECAM-1 Stabilizes Blood-Brain Barrier Integrity and Favors Paracellular T-Cell Diapedesis Across the Blood-Brain Barrier During Neuroinflammation. Frontiers in Immunology, 2019, 10, 711.	4.8	122
8	The Genetic Background of Mice Influences the Effects of Cigarette Smoke on Onset and Severity of Experimental Autoimmune Encephalomyelitis. International Journal of Molecular Sciences, 2019, 20, 1433.	4.1	2
9	Intercellular Adhesion Molecule-1 (ICAM-1) and ICAM-2 Differentially Contribute to Peripheral Activation and CNS Entry of Autoaggressive Th1 and Th17 Cells in Experimental Autoimmune Encephalomyelitis. Frontiers in Immunology, 2019, 10, 3056.	4.8	40
10	Lack of junctional adhesion molecule (JAM)-B ameliorates experimental autoimmune encephalomyelitis. Brain, Behavior, and Immunity, 2018, 73, 3-20.	4.1	20
11	ALCAM (CD166) is involved in extravasation of monocytes rather than T cells across the bloodâ€“brain barrier. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 2894-2909.	4.3	53
12	A Novel Cervical Spinal Cord Window Preparation Allows for Two-Photon Imaging of T-Cell Interactions with the Cervical Spinal Cord Microvasculature during Experimental Autoimmune Encephalomyelitis. Frontiers in Immunology, 2017, 8, 406.	4.8	56
13	Neutrophil recruitment limited by high-affinity bent Î²2 integrin binding ligand in cis. Nature Communications, 2016, 7, 12658.	12.8	84
14	Cell surface levels of endothelial ICAMâ€1 influence the transcellular or paracellular Tâ€cell diapedesis across the bloodâ€“brain barrier. European Journal of Immunology, 2015, 45, 1043-1058.	2.9	156
15	ICAM1 depletion reduces spinal metastasis formation in vivo and improves neurological outcome. European Spine Journal, 2015, 24, 2173-2181.	2.2	13
16	Conditional and inducible transgene expression in endothelial and hematopoietic cells using Cre/loxP and tetracycline-off systems. Experimental and Therapeutic Medicine, 2014, 8, 1351-1356.	1.8	2
17	Constitutive notch signaling in adult transgenic mice inhibits bFGFâ€induced angiogenesis and blocks ovarian follicle development. Genesis, 2014, 52, 809-816.	1.6	18
18	PSGLâ€1 and E/Pâ€selectins are essential for Tâ€cell rolling in inflamed CNS microvessels but dispensable for initiation of EAE. European Journal of Immunology, 2014, 44, 2287-2294.	2.9	41

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19	DARC shuttles inflammatory chemokines across the bloodâ€“brain barrier during autoimmune central nervous system inflammation. Brain, 2014, 137, 1454-1469.	7.6	59
20	Postnatal Notch1 activation induces T-cell malignancy in conditional and inducible mouse models. International Journal of Oncology, 2014, 45, 1997-2004.	3.3	0
21	Angiopoietin 2 mediates microvascular and hemodynamic alterations in sepsis. Journal of Clinical Investigation, 2013, 123, 3436-3445.	8.2	160
22	Junctional Adhesion Molecule (JAM)-C Deficient C57BL/6 Mice Develop a Severe Hydrocephalus. PLoS ONE, 2012, 7, e45619.	2.5	31
23	PSGL-1 is dispensible for the development of active experimental autoimmune encephalomyelitis in SJL/J mice. Journal of Neuroimmunology, 2011, 232, 207-208.	2.3	10
24	Claudin-1 induced sealing of bloodâ€“brain barrier tight junctions ameliorates chronic experimental autoimmune encephalomyelitis. Acta Neuropathologica, 2011, 122, 601-614.	7.7	133
25	TET inducible expression of the Î±4Î²7â€integrin ligand MAdCAMâ€1 on the bloodâ€“brain barrier does not influence the immunopathogenesis of experimental autoimmune encephalomyelitis. European Journal of Immunology, 2011, 41, 813-821.	2.9	25
26	Retinal overexpression of angiopoietin-2 mimics diabetic retinopathy and enhances vascular damages in hyperglycemia. Acta Diabetologica, 2010, 47, 59-64.	2.5	72
27	Ephrin-B2 controls VEGF-induced angiogenesis and lymphangiogenesis. Nature, 2010, 465, 483-486.	27.8	1,068
28	Comprehensive analysis of lymph node stroma-expressed Ig superfamily members reveals redundant and nonredundant roles for ICAM-1, ICAM-2, and VCAM-1 in lymphocyte homing. Blood, 2010, 116, 915-925.	1.4	95
29	Differential Roles for Endothelial ICAM-1, ICAM-2, and VCAM-1 in Shear-Resistant T Cell Arrest, Polarization, and Directed Crawling on Bloodâ€“Brain Barrier Endothelium. Journal of Immunology, 2010, 185, 4846-4855.	0.8	234
30	Myc Regulates Embryonic Vascular Permeability and Remodeling. Circulation Research, 2009, 104, 1151-1159.	4.5	17
31	Decreased Hypoxia-Induced Neovascularization in Angiopoietin-2 Heterozygous Knockout Mouse through Reduced MMP Activity. Cellular Physiology and Biochemistry, 2009, 23, 277-284.	1.6	33
32	VE-PTP controls blood vessel development by balancing Tie-2 activity. Journal of Cell Biology, 2009, 185, 657-671.	5.2	167
33	Agrin defines polarized distribution of orthogonal arrays of particles in astrocytes. Cell and Tissue Research, 2009, 337, 185-195.	2.9	64
34	Switching of vascular phenotypes within a murine breast cancer model induced by angiopoietinâ€2. Journal of Pathology, 2009, 217, 571-580.	4.5	44
35	The absence of angiopoietin-2 leads to abnormal vascular maturation and persistent proliferative retinopathy. Thrombosis and Haemostasis, 2009, 102, 120-130.	3.4	21
36	VE-PTP controls blood vessel development by balancing Tie-2 activity. Journal of Experimental Medicine, 2009, 206, i11-i11.	8.5	1

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37	Angiopoietins assemble distinct Tie2 signalling complexes in endothelial cellâ€“cell and cellâ€“matrix contacts. Nature Cell Biology, 2008, 10, 527-537.	10.3	406
38	Inducible endothelial cell-specific gene expression in transgenic mouse embryos and adult mice. Experimental Cell Research, 2008, 314, 1202-1216.	2.6	21
39	Regulation of Endothelial Cell Cytoskeletal Reorganization by a Secreted Frizzled-Related Protein-1 and Frizzled 4- and Frizzled 7-Dependent Pathway. American Journal of Pathology, 2008, 172, 37-49.	3.8	62
40	Pericyte Migration. Diabetes, 2008, 57, 2495-2502.	0.6	207
41	Angiopoietin-2 Deficiency Decelerates Age-Dependent Vascular Changes in the Mouse Retina. Cellular Physiology and Biochemistry, 2008, 21, 129-136.	1.6	21
42	VEGF-A Stimulates ADAM17-Dependent Shedding of VEGFR2 and Crosstalk Between VEGFR2 and ERK Signaling. Circulation Research, 2008, 103, 916-918.	4.5	146
43	Estrogen-Stimulated Endothelial Repair Requires Osteopontin. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 2131-2136.	2.4	19
44	E- and P-Selectin Are Not Required for the Development of Experimental Autoimmune Encephalomyelitis in C57BL/6 and SJL Mice. Journal of Immunology, 2007, 179, 8470-8479.	0.8	117
45	Activation of the orphan endothelial receptor Tie1 modifies Tie2â€mediated intracellular signaling and cell survival. FASEB Journal, 2007, 21, 3171-3183.	0.5	97
46	Impaired pericyte recruitment and abnormal retinal angiogenesis as a result of angiopoietin-2 overexpression. Thrombosis and Haemostasis, 2007, 97, 99-108.	3.4	95
47	Impaired pericyte recruitment and abnormal retinal angiogenesis as a result of angiopoietin-2 overexpression. Thrombosis and Haemostasis, 2007, 97, 99-108.	3.4	44
48	Vascular endothelial cellâ€“specific phosphotyrosine phosphatase (VE-PTP) activity is required for blood vessel development. Blood, 2006, 107, 4754-4762.	1.4	138
49	VE-PTP and VE-cadherin ectodomains interact to facilitate regulation of phosphorylation and cell contacts. EMBO Journal, 2005, 24, 3158-3158.	7.8	1
50	Establishment of murine cell lines by constitutive and conditional immortalization. Journal of Biotechnology, 2005, 120, 99-110.	3.8	34
51	Angiopoietin-2 Causes Pericyte Dropout in the Normal Retina. Diabetes, 2004, 53, 1104-1110.	0.6	306
52	Semaphorins Guide PerPlexeD Endothelial Cells. Developmental Cell, 2004, 7, 1-2.	7.0	16
53	Angiopoietin-1 and Angiopoietin-2 Share the Same Binding Domains in the Tie-2 Receptor Involving the First Ig-like Loop and the Epidermal Growth Factor-like Repeats. Journal of Biological Chemistry, 2003, 278, 1721-1727.	3.4	146
54	Structural and Functional Diversity of Connexin Genes in the Mouse and Human Genome. Biological Chemistry, 2002, 383, 725-37.	2.5	1,025

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55	Pericytes and the Pathogenesis of Diabetic Retinopathy. Diabetes, 2002, 51, 3107-3112.	0.6	519
56	EphrinB Phosphorylation and Reverse Signaling. Molecular Cell, 2002, 9, 725-737.	9.7	274
57	VE-PTP and VE-cadherin ectodomains interact to facilitate regulation of phosphorylation and cell contacts. EMBO Journal, 2002, 21, 4885-4895.	7.8	277
58	The Cytoplasmic Domain of the Ligand EphrinB2 Is Required for Vascular Morphogenesis but Not Cranial Neural Crest Migration. Cell, 2001, 104, 57-69.	28.9	250
59	Endothelium-specific replacement of the connexin43 coding region by a lacZ reporter gene. Genesis, 2001, 29, 1-13.	1.6	162
60	Functional interaction of vascular endothelial-protein-tyrosine phosphatase with the Angiopoietin receptor Tie-2. Oncogene, 1999, 18, 5948-5953.	5.9	171
61	Receptor Tyrosine Kinase Signaling in Vasculogenesis and Angiogenesis. Developments in Cardiovascular Medicine, 1999, , 179-191.	0.1	0
62	Angiopoietin-1 induces sprouting angiogenesis in vitro. Current Biology, 1998, 8, 529-532.	3.9	428
63	T cell interaction with ICAM-1-deficient endotheliumin vitro: essential role for ICAM-1 and ICAM-2 in transendothelial migration of T cells. European Journal of Immunology, 1998, 28, 3086-3099.	2.9	158
64	Fritz: a secreted frizzled-related protein that inhibits Wnt activity. Mechanisms of Development, 1997, 63, 109-125.	1.7	63
65	Tie2 Receptor Expression and Phosphorylation in Cultured Cells and Mouse Tissues. FEBS Journal, 1997, 244, 774-779.	0.2	35
66	The Mouse Gene for Vascular Endothelial Growth Factor. Journal of Biological Chemistry, 1996, 271, 3877-3883.	3.4	270
67	Distinct roles of the receptor tyrosine kinases Tie-1 and Tie-2 in blood vessel formation. Nature, 1995, 376, 70-74.	27.8	1,666
68	Induction of Heparin-binding EGF-like Growth Factor Expression during Myogenesis. Journal of Biological Chemistry, 1995, 270, 18285-18294.	3.4	54
69	Hypoxic induction of vascular endothelial growth factor (VEGF) in human epithelial cells is mediated by increases in mRNA stability. FEBS Letters, 1995, 370, 203-208.	2.8	263
70	PAX1, a member of the paired box-containing class of developmental control genes, is mapped to human chromosome 20p11.2 by in Situ hybridization (ISH and FISH). Genomics, 1992, 14, 740-744.	2.9	28
71	The molecular basis of the undulated/Pax-1 mutation. Cell, 1991, 66, 873-884.	28.9	268
72	Pax: A murine multigene family of paired box-containing genes. Genomics, 1991, 11, 424-434.	2.9	424

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73	Moratorium call. Nature, 1988, 334, 560-560.	27.8	1
74	Pax 1, a member of a paired box homologous murine gene family, is expressed in segmented structures during development. Cell, 1988, 53, 617-625.	28.9	311
75	undulated, a mutation affecting the development of the mouse skeleton, has a point mutation in the paired box of Pax 1. Cell, 1988, 55, 531-535.	28.9	332
76	Murine genes with homology to Drosophila segmentation genes. Development (Cambridge), 1988, 104, 181-186.	2.5	35
77	A multigene family encoding several â€œfingerâ€•structures is present and differentially active in mammalian genomes. Cell, 1987, 48, 771-778.	28.9	213