

Urban Deutsch

List of Publications by Year in descending order

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77
papers

12,143
citations

57758

44
h-index

74163

75
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78
all docs

78
docs citations

78
times ranked

12496
citing authors

#	ARTICLE	IF	CITATIONS
1	Distinct roles of the receptor tyrosine kinases Tie-1 and Tie-2 in blood vessel formation. <i>Nature</i> , 1995, 376, 70-74.	27.8	1,666
2	Ephrin-B2 controls VEGF-induced angiogenesis and lymphangiogenesis. <i>Nature</i> , 2010, 465, 483-486.	27.8	1,068
3	Structural and Functional Diversity of Connexin Genes in the Mouse and Human Genome. <i>Biological Chemistry</i> , 2002, 383, 725-37.	2.5	1,025
4	Pericytes and the Pathogenesis of Diabetic Retinopathy. <i>Diabetes</i> , 2002, 51, 3107-3112.	0.6	519
5	Angiotensin-1 induces sprouting angiogenesis in vitro. <i>Current Biology</i> , 1998, 8, 529-532.	3.9	428
6	Pax: A murine multigene family of paired box-containing genes. <i>Genomics</i> , 1991, 11, 424-434.	2.9	424
7	Angiotensin-1 induces sprouting angiogenesis in vitro. <i>Current Biology</i> , 1998, 8, 529-532.	10.3	406
8	undulated, a mutation affecting the development of the mouse skeleton, has a point mutation in the paired box of Pax 1. <i>Cell</i> , 1988, 55, 531-535.	28.9	332
9	Pax 1, a member of a paired box homologous murine gene family, is expressed in segmented structures during development. <i>Cell</i> , 1988, 53, 617-625.	28.9	311
10	Angiotensin-2 Causes Pericyte Dropout in the Normal Retina. <i>Diabetes</i> , 2004, 53, 1104-1110.	0.6	306
11	VE-PTP and VE-cadherin ectodomains interact to facilitate regulation of phosphorylation and cell contacts. <i>EMBO Journal</i> , 2002, 21, 4885-4895.	7.8	277
12	EphrinB Phosphorylation and Reverse Signaling. <i>Molecular Cell</i> , 2002, 9, 725-737.	9.7	274
13	The Mouse Gene for Vascular Endothelial Growth Factor. <i>Journal of Biological Chemistry</i> , 1996, 271, 3877-3883.	3.4	270
14	The molecular basis of the undulated/Pax-1 mutation. <i>Cell</i> , 1991, 66, 873-884.	28.9	268
15	Hypoxic induction of vascular endothelial growth factor (VEGF) in human epithelial cells is mediated by increases in mRNA stability. <i>FEBS Letters</i> , 1995, 370, 203-208.	2.8	263
16	The Cytoplasmic Domain of the Ligand EphrinB2 Is Required for Vascular Morphogenesis but Not Cranial Neural Crest Migration. <i>Cell</i> , 2001, 104, 57-69.	28.9	250
17	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. <i>Journal of Immunology</i> , 2010, 185, 4846-4855.	0.8	234
18	A multigene family encoding several â€‘fingerâ€‘structures is present and differentially active in mammalian genomes. <i>Cell</i> , 1987, 48, 771-778.	28.9	213

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19	Pericyte Migration. <i>Diabetes</i> , 2008, 57, 2495-2502.	0.6	207
20	Functional interaction of vascular endothelial-protein-tyrosine phosphatase with the Angiopoietin receptor Tie-2. <i>Oncogene</i> , 1999, 18, 5948-5953.	5.9	171
21	VE-PTP controls blood vessel development by balancing Tie-2 activity. <i>Journal of Cell Biology</i> , 2009, 185, 657-671.	5.2	167
22	Endothelium-specific replacement of the connexin43 coding region by a lacZ reporter gene. <i>Genesis</i> , 2001, 29, 1-13.	1.6	162
23	Angiopoietin 2 mediates microvascular and hemodynamic alterations in sepsis. <i>Journal of Clinical Investigation</i> , 2013, 123, 3436-3445.	8.2	160
24	T cell interaction with ICAM-1-deficient endothelium in vitro: essential role for ICAM-1 and ICAM-2 in transendothelial migration of T cells. <i>European Journal of Immunology</i> , 1998, 28, 3086-3099.	2.9	158
25	Cell surface levels of endothelial ICAM-1 influence the transcellular or paracellular T cell diapedesis across the blood-brain barrier. <i>European Journal of Immunology</i> , 2015, 45, 1043-1058.	2.9	156
26	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. <i>Journal of Biological Chemistry</i> , 2003, 278, 1721-1727.	3.4	146
27	VEGF-A Stimulates ADAM17-Dependent Shedding of VEGFR2 and Crosstalk Between VEGFR2 and ERK Signaling. <i>Circulation Research</i> , 2008, 103, 916-918.	4.5	146
28	Vascular endothelial cell-specific phosphotyrosine phosphatase (VE-PTP) activity is required for blood vessel development. <i>Blood</i> , 2006, 107, 4754-4762.	1.4	138
29	Claudin-1 induced sealing of blood-brain barrier tight junctions ameliorates chronic experimental autoimmune encephalomyelitis. <i>Acta Neuropathologica</i> , 2011, 122, 601-614.	7.7	133
30	PECAM-1 Stabilizes Blood-Brain Barrier Integrity and Favors Paracellular T-Cell Diapedesis Across the Blood-Brain Barrier During Neuroinflammation. <i>Frontiers in Immunology</i> , 2019, 10, 711.	4.8	122
31	E- and P-Selectin Are Not Required for the Development of Experimental Autoimmune Encephalomyelitis in C57BL/6 and SJL Mice. <i>Journal of Immunology</i> , 2007, 179, 8470-8479.	0.8	117
32	Activation of the orphan endothelial receptor Tie1 modifies Tie2-mediated intracellular signaling and cell survival. <i>FASEB Journal</i> , 2007, 21, 3171-3183.	0.5	97
33	Impaired pericyte recruitment and abnormal retinal angiogenesis as a result of angiopoietin-2 overexpression. <i>Thrombosis and Haemostasis</i> , 2007, 97, 99-108.	3.4	95
34	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. <i>Blood</i> , 2010, 116, 915-925.	1.4	95
35	Neutrophil recruitment limited by high-affinity bent $\beta 2$ integrin binding ligand in cis. <i>Nature Communications</i> , 2016, 7, 12658.	12.8	84
36	Retinal overexpression of angiopoietin-2 mimics diabetic retinopathy and enhances vascular damages in hyperglycemia. <i>Acta Diabetologica</i> , 2010, 47, 59-64.	2.5	72

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37	Claudin-3-deficient C57BL/6J mice display intact brain barriers. <i>Scientific Reports</i> , 2019, 9, 203.	3.3	68
38	Agrin defines polarized distribution of orthogonal arrays of particles in astrocytes. <i>Cell and Tissue Research</i> , 2009, 337, 185-195.	2.9	64
39	Fritz: a secreted frizzled-related protein that inhibits Wnt activity. <i>Mechanisms of Development</i> , 1997, 63, 109-125.	1.7	63
40	Regulation of Endothelial Cell Cytoskeletal Reorganization by a Secreted Frizzled-Related Protein-1 and Frizzled 4- and Frizzled 7-Dependent Pathway. <i>American Journal of Pathology</i> , 2008, 172, 37-49.	3.8	62
41	DARC shuttles inflammatory chemokines across the blood-brain barrier during autoimmune central nervous system inflammation. <i>Brain</i> , 2014, 137, 1454-1469.	7.6	59
42	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. <i>Frontiers in Immunology</i> , 2017, 8, 406.	4.8	56
43	Induction of Heparin-binding EGF-like Growth Factor Expression during Myogenesis. <i>Journal of Biological Chemistry</i> , 1995, 270, 18285-18294.	3.4	54
44	ALCAM (CD166) is involved in extravasation of monocytes rather than T cells across the blood-brain barrier. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 2894-2909.	4.3	53
45	Claudin-12 is not required for blood-brain barrier tight junction function. <i>Fluids and Barriers of the CNS</i> , 2019, 16, 30.	5.0	45
46	Switching of vascular phenotypes within a murine breast cancer model induced by angiopoietin-2. <i>Journal of Pathology</i> , 2009, 217, 571-580.	4.5	44
47	Impaired pericyte recruitment and abnormal retinal angiogenesis as a result of angiopoietin-2 overexpression. <i>Thrombosis and Haemostasis</i> , 2007, 97, 99-108.	3.4	44
48	PSGL-1 and E-selectins are essential for T-cell rolling in inflamed CNS microvessels but dispensable for initiation of EAE. <i>European Journal of Immunology</i> , 2014, 44, 2287-2294.	2.9	41
49	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. <i>Frontiers in Immunology</i> , 2019, 10, 3056.	4.8	40
50	Brain endothelial tricellular junctions as novel sites for T cell diapedesis across the blood-brain barrier. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	37
51	Tie2 Receptor Expression and Phosphorylation in Cultured Cells and Mouse Tissues. <i>FEBS Journal</i> , 1997, 244, 774-779.	0.2	35
52	Murine genes with homology to Drosophila segmentation genes. <i>Development (Cambridge)</i> , 1988, 104, 181-186.	2.5	35
53	Establishment of murine cell lines by constitutive and conditional immortalization. <i>Journal of Biotechnology</i> , 2005, 120, 99-110.	3.8	34
54	Decreased Hypoxia-Induced Neovascularization in Angiopoietin-2 Heterozygous Knockout Mouse through Reduced MMP Activity. <i>Cellular Physiology and Biochemistry</i> , 2009, 23, 277-284.	1.6	33

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55	Junctional Adhesion Molecule (JAM)-C Deficient C57BL/6 Mice Develop a Severe Hydrocephalus. PLoS ONE, 2012, 7, e45619.	2.5	31
56	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
57	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
58	TET inducible expression of the Î±4Î²7Î± 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
59	Inducible endothelial cell-specific gene expression in transgenic mouse embryos and adult mice. Experimental Cell Research, 2008, 314, 1202-1216.	2.6	21
60	Angiotensin-2 Deficiency Decelerates Age-Dependent Vascular Changes in the Mouse Retina. Cellular Physiology and Biochemistry, 2008, 21, 129-136.	1.6	21
61	The absence of angiotensin-2 leads to abnormal vascular maturation and persistent proliferative retinopathy. Thrombosis and Haemostasis, 2009, 102, 120-130.	3.4	21
62	Lack of junctional adhesion molecule (JAM)-B ameliorates experimental autoimmune encephalomyelitis. Brain, Behavior, and Immunity, 2018, 73, 3-20.	4.1	20
63	Estrogen-Stimulated Endothelial Repair Requires Osteopontin. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 2131-2136.	2.4	19
64	Constitutive notch signaling in adult transgenic mice inhibits bFGFâ€induced angiogenesis and blocks ovarian follicle development. Genesis, 2014, 52, 809-816.	1.6	18
65	Myc Regulates Embryonic Vascular Permeability and Remodeling. Circulation Research, 2009, 104, 1151-1159.	4.5	17
66	Semaphorins Guide PerPlexed Endothelial Cells. Developmental Cell, 2004, 7, 1-2.	7.0	16
67	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
68	ICAM1 depletion reduces spinal metastasis formation in vivo and improves neurological outcome. European Spine Journal, 2015, 24, 2173-2181.	2.2	13
69	PSGL-1 is dispensable for the development of active experimental autoimmune encephalomyelitis in SJL/J mice. Journal of Neuroimmunology, 2011, 232, 207-208.	2.3	10
70	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
71	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
72	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

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73	Moratorium call. Nature, 1988, 334, 560-560.	27.8	1
74	VE-PTP and VE-cadherin ectodomains interact to facilitate regulation of phosphorylation and cell contacts. EMBO Journal, 2005, 24, 3158-3158.	7.8	1
75	VE-PTP controls blood vessel development by balancing Tie-2 activity. Journal of Experimental Medicine, 2009, 206, i11-i11.	8.5	1
76	Postnatal Notch1 activation induces T-cell malignancy in conditional and inducible mouse models. International Journal of Oncology, 2014, 45, 1997-2004.	3.3	0
77	Receptor Tyrosine Kinase Signaling in Vasculogenesis and Angiogenesis. Developments in Cardiovascular Medicine, 1999, , 179-191.	0.1	0