Christiana Ruhrberg

List of Publications by Year
in descending order

113	12,967	41323	31818
papers	citations	49 h-index	101 g-index

129	129	129	16079
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Whole-Mount Immunofluorescence Protocol for 3D Imaging, Reconstruction, and Quantification of Fourth Pharyngeal Arch Formation. Methods in Molecular Biology, 2022, 2441, 41-62.	0.4	0
2	The Embryonic Mouse Model to Study Angiogenesis. Methods in Molecular Biology, 2022, 2441, 3-18.	0.4	0
3	KIT is dispensable for physiological organ vascularisation in the embryo. Angiogenesis, 2022, 25, 343-353.	3.7	8
4	The Embryonic Mouse Hindbrain and Postnatal Retina as In Vivo Models to Study Angiogenesis. Methods in Molecular Biology, 2022, 2475, 275-287.	0.4	0
5	Evaluating VEGF-Induced Vascular Leakage Using the Miles Assay. Methods in Molecular Biology, 2022, 2475, 289-295.	0.4	0
6	First blood: the endothelial origins of hematopoietic progenitors. Angiogenesis, 2021, 24, 199-211.	3.7	46
7	Lung blood and lymphatic vascular development. , 2021, , 31-43.		4
8	Mechanisms and cell lineages in lymphatic vascular development. Angiogenesis, 2021, 24, 271-288.	3.7	29
9	KIT Is Required for Fetal Liver Hematopoiesis. Frontiers in Cell and Developmental Biology, 2021, 9, 648630.	1.8	9
10	Structural and functional conservation of non-lumenized lymphatic endothelial cells in the mammalian leptomeninges. Acta Neuropathologica, 2020, 139, 383-401.	3.9	24
11	Tamoxifen-Activated CreERT Impairs Retinal Angiogenesis Independently of Gene Deletion. Circulation Research, 2020, 127, 849-850.	2.0	35
12	miR-96 and miR-183 differentially regulate neonatal and adult postinfarct neovascularization. JCI Insight, 2020, 5, .	2.3	14
13	PLXNA1 and PLXNA3 cooperate to pattern the nasal axons that guide gonadotropin-releasing hormone neurons. Development (Cambridge), 2019, 146, .	1.2	19
14	VEGF188 promotes corneal reinnervation after injury. JCI Insight, 2019, 4, .	2.3	10
15	Spatiotemporal dynamics and heterogeneity of renal lymphatics in mammalian development and cystic kidney disease. ELife, 2019, 8, .	2.8	46
16	Vascular-Derived Vegfa Promotes Cortical Interneuron Migration and Proximity to the Vasculature in the Developing Forebrain. Cerebral Cortex, 2018, 28, 2577-2593.	1.6	27
17	The Mouse Hindbrain As a Model for Studying Embryonic Neurogenesis. Journal of Visualized Experiments, 2018, , .	0.2	1
18	Neuropilins guide preganglionic sympathetic axons and chromaffin cell precursors to establish the adrenal medulla. Development (Cambridge), 2018, 145, .	1.2	21

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19	Erythro-myeloid progenitors contribute endothelial cells to blood vessels. Nature, 2018, 562, 223-228.	13.7	116
20	Regulation and Function of Cardiac Neural Crest Cells â˜†. , 2018, , .		1
21	HS6ST1 Insufficiency Causes Self-Limited Delayed Puberty in Contrast With Other GnRH Deficiency Genes. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 3420-3429.	1.8	38
22	Evaluating Vascular Hyperpermeability-inducing Agents in the Skin with the Miles Assay. Journal of Visualized Experiments, 2018, , .	0.2	20
23	Cross-talk between blood vessels and neural progenitors in the developing brain. Neuronal Signaling, 2018, 2, NS20170139.	1.7	44
24	VEGF165-induced vascular permeability requires NRP1 for ABL-mediated SRC family kinase activation. Journal of Experimental Medicine, 2017, 214, 1049-1064.	4.2	53
25	VEGF-A and neuropilin 1 (NRP1) shape axon projections in the developing CNS via dual roles in neurons and blood vessels. Development (Cambridge), 2017, 144, 2504-2516.	1.2	47
26	The Role of the Neuropilins in Developmental Angiogenesis. , 2017, , 93-107.		1
27	Genetic specification of leftâ€“right asymmetry in the diaphragm muscles and their motor innervation. ELife, 2017, 6, .	2.8	6
28	Altered proliferative ability of neuronal progenitors in PlexinA1 mutant mice. Journal of Comparative Neurology, 2016, 524, 518-534.	0.9	17
29	Neuropilin-1 mediates vascular permeability independently of vascular endothelial growth factor receptor-2 activation. Science Signaling, 2016, 9, ra42.	1.6	51
30	Regulation of embryonic neurogenesis by germinal zone vasculature. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13414-13419.	3.3	38
31	2- and 6-O-sulfated proteoglycans have distinct and complementary roles in cranial axon guidance and motor neuron migration. Development (Cambridge), 2016, 143, 1907-13.	1.2	20
32	NRP1 function and targeting in neurovascular development and eye disease. Progress in Retinal and Eye Research, 2016, 52, 64-83.	7.3	63
33	Myeloid-Derived Vascular Endothelial Growth Factor and Hypoxia-Inducible Factor Are Dispensable for Ocular Neovascularizationâ€”Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 19-24.	1.1	39
34	The Mouse Hindbrain: An In Vivo Model to Analyze Developmental Angiogenesis. Methods in Molecular Biology, 2015, 1214, 29-40.	0.4	1
35	NRP1 Regulates CDC42 Activation to Promote Filopodia Formation in Endothelial Tip Cells. Cell Reports, 2015, 11, 1577-1590.	2.9	88
36	Imatinib may be ABL to improve anti-angiogenic therapy. Molecular and Cellular Oncology, 2015, 2, e968034.	0.3	3

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37	VEGF189 binds NRP1 and is sufficient for VEGF/NRP1-dependent neuronal patterning in the developing brain. Development (Cambridge), 2015, 142, 314-9.	1.2	29
38	Neural crest cell-derived VEGF promotes embryonic jaw extension. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6086-6091.	3.3	54
39	State-of-the-Art Methods for Evaluation of Angiogenesis and Tissue Vascularization. Circulation Research, 2015, 116, e99-132.	2.0	113
40	Suppressing Î²3-integrin triggers a neuropilin-1 dependent change in focal adhesion remodelling that can be targeted to block pathological angiogenesis. DMM Disease Models and Mechanisms, 2015, 8, 1105-19.	1.2	23
41	Neural Crest Cells in Cardiovascular Development. Current Topics in Developmental Biology, 2015, 111, 183-200.	1.0	57
42	Neuropilins in Development and Disease of the Nervous System. , 2015, , 65-75.		0
43	Vascularisation of the central nervous system. Mechanisms of Development, 2015, 138, 26-36.	1.7	104
44	Macrophage-Induced Blood Vessels Guide Schwann Cell-Mediated Regeneration of Peripheral Nerves. Cell, 2015, 162, 1127-1139.	13.5	633
45	The Embryonic Mouse Hindbrain and Postnatal Retina as In Vivo Models to Study Angiogenesis. Methods in Molecular Biology, 2015, 1332, 177-188.	0.4	5
46	Dysfunctional SEMA3E signaling underlies gonadotropin-releasing hormone neuron deficiency in Kallmann syndrome. Journal of Clinical Investigation, 2015, 125, 2413-2428.	3.9	97
47	Neural crestâ€“derived SEMA3C activates endothelial NRP1 for cardiac outflow tract septation. Journal of Clinical Investigation, 2015, 125, 2661-2676.	3.9	63
48	Neuropilin 1 (NRP1) hypomorphism combined with defective VEGF-A binding reveals novel roles for NRP1 in developmental and pathological angiogenesis. Development (Cambridge), 2014, 141, 556-562.	1.2	101
49	Neuropilin Regulation of Angiogenesis, Arteriogenesis, and Vascular Permeability. Microcirculation, 2014, 21, 315-323.	1.0	109
50	Imatinib inhibits VEGF-independent angiogenesis by targeting neuropilin 1â€“dependent ABL1 activation in endothelial cells. Journal of Experimental Medicine, 2014, 211, 1167-1183.	4.2	112
51	Vascularisation is not necessary for gut colonisation by enteric neural crest cells. Developmental Biology, 2014, 385, 220-229.	0.9	25
52	Mouse Hindbrain Ex Vivo Culture to Study Facial Branchiomotor Neuron Migration. Journal of Visualized Experiments, 2014, , .	0.2	4
53	Neuropilin regulation of angiogenesis. Biochemical Society Transactions, 2014, 42, 1623-1628.	1.6	82
54	The cytoplasmic domain of neuropilinâ€1 regulates focal adhesion turnover. FEBS Letters, 2013, 587, 3392-3399.	1.3	16

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55	Neurovascular development and links to disease. Cellular and Molecular Life Sciences, 2013, 70, 1675-1684.	2.4	87
56	Neuropilin signalling in vessels, neurons and tumours. Seminars in Cell and Developmental Biology, 2013, 24, 172-178.	2.3	77
57	The Neuropilin 1 Cytoplasmic Domain Is Required for VEGF-A-Dependent Arteriogenesis. Developmental Cell, 2013, 25, 156-168.	3.1	184
58	The embryonic mouse hindbrain as a qualitative and quantitative model for studying the molecular and cellular mechanisms of angiogenesis. Nature Protocols, 2013, 8, 418-429.	5.5	88
59	NRP1 acts cell autonomously in endothelium to promote tip cell function during sprouting angiogenesis. Blood, 2013, 121, 2352-2362.	0.6	142
60	Emerging roles for semaphorins and VEGFs in synaptogenesis and synaptic plasticity. Cell Adhesion and Migration, 2012, 6, 541-546.	1.1	51
61	Semaphorin3A, Neuropilin-1, and PlexinA1 Are Required for Lymphatic Valve Formation. Circulation Research, 2012, 111, 437-445.	2.0	128
62	NRP1 and NRP2 cooperate to regulate gangliogenesis, axon guidance and target innervation in the sympathetic nervous system. Developmental Biology, 2012, 369, 277-285.	0.9	69
63	Diverse roles for VEGF-A in the nervous system. Development (Cambridge), 2012, 139, 1371-1380.	1.2	239
64	The Murine Hindbrain as a Model to Study the Molecular and Cellular Mechanisms of Angiogenesis in Intact Tissues. , 2012, , 205-215.		2
65	Neuropilin Signalling in Vascular Development and Pathology. Current Angiogenesis, 2012, 1, 125-132.	0.1	2
66	Distinct Macrophage Phenotypes Contribute to Kidney Injury and Repair. Journal of the American Society of Nephrology: JASN, 2011, 22, 317-326.	3.0	718
67	The Hormone of Love Attracts a Partner for Life. Developmental Cell, 2011, 21, 602-604.	3.1	1
68	VEGF Signaling through Neuropilin 1 Guides Commissural Axon Crossing at the Optic Chiasm. Neuron, 2011, 70, 951-965.	3.8	153
69	Transcriptome analysis of embryonic mammary cells reveals insights into mammary lineage establishment. Breast Cancer Research, 2011, 13, R79.	2.2	46
70	The cytoplasmic domain of neuropilin 1 is dispensable for angiogenesis, but promotes the spatial separation of retinal arteries and veins. Development (Cambridge), 2011, 138, 4185-4191.	1.2	104
71	VEGF signalling controls GnRH neuron survival via NRP1 independently of KDR and blood vessels. Development (Cambridge), 2011, 138, 3723-3733.	1.2	71
72	Robo1 Regulates Semaphorin Signaling to Guide the Migration of Cortical Interneurons through the Ventral Forebrain. Journal of Neuroscience, 2011, 31, 6174-6187.	1.7	92

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73	Defective gonadotropin-releasing hormone neuron migration in mice lacking SEMA3A signalling through NRP1 and NRP2: implications for the aetiology of hypogonadotropic hypogonadism. Human Molecular Genetics, 2011, 20, 336-344.	1.4	124
74	Neuropilin, you gotta let me know. Cell Adhesion and Migration, 2010, 4, 61-66.	1.1	76
75	Tissue macrophages act as cellular chaperones for vascular anastomosis downstream of VEGF-mediated endothelial tip cell induction. Blood, 2010, 116, 829-840.	0.6	932
76	A double agent in cancer: Deciphering macrophage roles in human tumors. Nature Medicine, 2010, 16, 861-862.	15.2	28
77	Neural crest origin of olfactory ensheathing glia. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21040-21045.	3.3	197
78	VEGF in the nervous system. Organogenesis, 2010, 6, 107-114.	0.4	242
79	VEGF receptor signaling in vertebrate development. Organogenesis, 2010, 6, 97-106.	0.4	27
80	In the beginning. Cell Adhesion and Migration, 2010, 4, 622-630.	1.1	33
81	Neuropilin 1 signaling guides neural crest cells to coordinate pathway choice with cell specification. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6164-6169.	3.3	97
82	Neuropilin-mediated neural crest cell guidance is essential to organise sensory neurons into segmented dorsal root ganglia. Development (Cambridge), 2009, 136, 1785-1789.	1.2	56
83	Neuropilin 1 and 2 control cranial gangliogenesis and axon guidance through neural crest cells. Development (Cambridge), 2009, 136, 347-347.	1.2	1
84	03-P064 Macrophages promote vascularisation of the developing brain. Mechanisms of Development, 2009, 126, S85.	1.7	0
85	Neuropilin ligands in vascular and neuronal patterning. Biochemical Society Transactions, 2009, 37, 1228-1232.	1.6	58
86	Neuropilin 1 controls cardiovascular development through neural crest cells. FASEB Journal, 2009, 23, 302.3.	0.2	1
87	Angiogenesis selectively requires the p110Î± isoform of PI3K to control endothelial cell migration. Nature, 2008, 453, 662-666.	13.7	459
88	VEGF in the Nervous System. , 2008, , 91-103.		3
89	Plexin A3 and plexin A4 convey semaphorin signals during facial nerve development. Developmental Biology, 2008, 324, 1-9.	0.9	60
90	Neuropilin 1 and 2 control cranial gangliogenesis and axon guidance through neural crest cells. Development (Cambridge), 2008, 135, 1605-1613.	1.2	91

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91	Blood Vessel Maturation and Response to Vascular-Disrupting Therapy in Single Vascular Endothelial Growth Factor-A Isoformâ€"Producing Tumors. Cancer Research, 2008, 68, 2301-2311.	0.4	92
92	VEGF Receptor Signalling in Vertebrate Development. , 2008, , 14-29.		0
93	Selective requirements for NRP1 ligands during neurovascular patterning. Development (Cambridge), 2007, 134, 1833-1843.	1.2	112
94	Role of the Neuropilin Ligands VEGF164 and SEMA3A in Neuronal and Vascular Patterning in the Mouse. Novartis Foundation Symposium, 2007, 283, 230-237.	1.2	17
95	Vascular endothelial growth factor controls neuronal migration and cooperates with Sema3A to pattern distinct compartments of the facial nerve. Genes and Development, 2004, 18, 2822-2834.	2.7	166
96	Neuropilin-1 is required for endothelial tip cell guidance in the developing central nervous system. Developmental Dynamics, 2004, 231, 503-509.	0.8	243
97	Mapping nucleolar and spliceosome localization sequences of neuregulin1-Î²3. Experimental Cell Research, 2004, 299, 110-118.	1.2	23
98	Growing and shaping the vascular tree: multiple roles for VEGF. BioEssays, 2003, 25, 1052-1060.	1.2	140
99	Mutations in Dynein Link Motor Neuron Degeneration to Defects in Retrograde Transport. Science, 2003, 300, 808-812.	6.0	652
100	VEGF guides angiogenic sprouting utilizing endothelial tip cell filopodia. Journal of Cell Biology, 2003, 161, 1163-1177.	2.3	2,483
101	Neuronal defects in the hindbrain of Hoxa1, Hoxb1 and Hoxb2 mutants reflect regulatory interactions among these Hox genes. Development (Cambridge), 2003, 130, 5663-5679.	1.2	113
102	Spatially restricted patterning cues provided by heparin-binding VEGF-A control blood vessel branching morphogenesis. Genes and Development, 2002, 16, 2684-2698.	2.7	779
103	Structure and Regulation of the Envoplakin Gene. Journal of Biological Chemistry, 2000, 275, 19857-19865.	1.6	21
104	The Mouse p97 (CDC48) Gene. Journal of Biological Chemistry, 1999, 274, 10154-10162.	1.6	32
105	Envoplakin, a Possible Candidate Gene for Focal NEPPK/Esophageal Cancer (TOC): The Integration of Genetic and Physical Maps of the TOC Region on 17q25. Genomics, 1999, 59, 234-242.	1.3	34
106	Envoplakin and Periplakin are Components of the Paraneoplastic Pemphigus Antigen Complex. Journal of Investigative Dermatology, 1998, 111, 1236-1238.	0.3	92
107	The Periplakin Gene Maps to 16p13.3 in Human and 16Aâ€"B1 in Mouse. Genomics, 1998, 49, 157-159.	1.3	3
108	The Human Surfeit Locus. Genomics, 1998, 52, 72-78.	1.3	36

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109	Periplakin, a Novel Component of Cornified Envelopes and Desmosomes That Belongs to the Plakin Family and Forms Complexes with Envoplakin. Journal of Cell Biology, 1997, 139, 1835-1849.	2.3	192
110	The plakin family: versatile organizers of cytoskeletal architecture. Current Opinion in Genetics and Development, 1997, 7, 392-397.	1.5	204
111	Chromosomal Localisation of the Human Envoplakin Gene (EVPL) to the Region of the Tylosis Oesophageal Cancer Gene (TOCG) on 17q25. Genomics, 1996, 37, 381-385.	1.3	29
112	Envoplakin, a novel precursor of the cornified envelope that has homology to desmoplakin.. Journal of Cell Biology, 1996, 134, 715-729.	2.3	163
113	Whole chromosome 17 loss in ovarian cancer. Genes Chromosomes and Cancer, 1993, 8, 195-198.	1.5	34