

# Alessandro Fantin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5037346/publications.pdf>

Version: 2024-02-01

41  
papers

2,893  
citations

279798

23  
h-index

361022

35  
g-index

45  
all docs

45  
docs citations

45  
times ranked

4681  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tissue macrophages act as cellular chaperones for vascular anastomosis downstream of VEGF-mediated endothelial tip cell induction. <i>Blood</i> , 2010, 116, 829-840.	1.4	932
2	The Neuropilin 1 Cytoplasmic Domain Is Required for VEGF-A-Dependent Arteriogenesis. <i>Developmental Cell</i> , 2013, 25, 156-168.	7.0	184
3	NRP1 acts cell autonomously in endothelium to promote tip cell function during sprouting angiogenesis. <i>Blood</i> , 2013, 121, 2352-2362.	1.4	142
4	Erythro-myeloid progenitors contribute endothelial cells to blood vessels. <i>Nature</i> , 2018, 562, 223-228.	27.8	116
5	Imatinib inhibits VEGF-independent angiogenesis by targeting neuropilin 1-dependent ABL1 activation in endothelial cells. <i>Journal of Experimental Medicine</i> , 2014, 211, 1167-1183.	8.5	112
6	Neuropilin Regulation of Angiogenesis, Arteriogenesis, and Vascular Permeability. <i>Microcirculation</i> , 2014, 21, 315-323.	1.8	109
7	Recombinant C1 inhibitor in brain ischemic injury. <i>Annals of Neurology</i> , 2009, 66, 332-342.	5.3	107
8	The cytoplasmic domain of neuropilin 1 is dispensable for angiogenesis, but promotes the spatial separation of retinal arteries and veins. <i>Development (Cambridge)</i> , 2011, 138, 4185-4191.	2.5	104
9	Vascularisation of the central nervous system. <i>Mechanisms of Development</i> , 2015, 138, 26-36.	1.7	104
10	Neuropilin 1 (NRP1) hypomorphism combined with defective VEGF-A binding reveals novel roles for NRP1 in developmental and pathological angiogenesis. <i>Development (Cambridge)</i> , 2014, 141, 556-562.	2.5	101
11	Dysfunctional SEMA3E signaling underlies gonadotropin-releasing hormone neuron deficiency in Kallmann syndrome. <i>Journal of Clinical Investigation</i> , 2015, 125, 2413-2428.	8.2	97
12	The embryonic mouse hindbrain as a qualitative and quantitative model for studying the molecular and cellular mechanisms of angiogenesis. <i>Nature Protocols</i> , 2013, 8, 418-429.	12.0	88
13	NRP1 Regulates CDC42 Activation to Promote Filopodia Formation in Endothelial Tip Cells. <i>Cell Reports</i> , 2015, 11, 1577-1590.	6.4	88
14	NRP1 function and targeting in neurovascular development and eye disease. <i>Progress in Retinal and Eye Research</i> , 2016, 52, 64-83.	15.5	63
15	Neural crest-derived SEMA3C activates endothelial NRP1 for cardiac outflow tract septation. <i>Journal of Clinical Investigation</i> , 2015, 125, 2661-2676.	8.2	63
16	Neuropilin ligands in vascular and neuronal patterning. <i>Biochemical Society Transactions</i> , 2009, 37, 1228-1232.	3.4	58
17	Neural Crest Cells in Cardiovascular Development. <i>Current Topics in Developmental Biology</i> , 2015, 111, 183-200.	2.2	57
18	VEGF165-induced vascular permeability requires NRP1 for ABL-mediated SRC family kinase activation. <i>Journal of Experimental Medicine</i> , 2017, 214, 1049-1064.	8.5	53

#	ARTICLE	IF	CITATIONS
19	Neuropilin-1 mediates vascular permeability independently of vascular endothelial growth factor receptor-2 activation. <i>Science Signaling</i> , 2016, 9, ra42.	3.6	51
20	Myeloid-Derived Vascular Endothelial Growth Factor and Hypoxia-Inducible Factor Are Dispensable for Ocular Neovascularizationâ€”Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 19-24.	2.4	39
21	HS6ST1 Insufficiency Causes Self-Limited Delayed Puberty in Contrast With Other GnRH Deficiency Genes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 3420-3429.	3.6	38
22	VEGF189 binds NRP1 and is sufficient for VEGF/NRP1-dependent neuronal patterning in the developing brain. <i>Development (Cambridge)</i> , 2015, 142, 314-9.	2.5	29
23	A Small Molecule Inhibitor of PDK1/PLC $\beta$ 3 Interaction Blocks Breast and Melanoma Cancer Cell Invasion. <i>Scientific Reports</i> , 2016, 6, 26142.	3.3	26
24	Neuropilin 1 Regulation of Vascular Permeability Signaling. <i>Biomolecules</i> , 2021, 11, 666.	4.0	22
25	2- and 6- <i>O</i> -sulfated proteoglycans have distinct and complementary roles in cranial axon guidance and motor neuron migration. <i>Development (Cambridge)</i> , 2016, 143, 1907-13.	2.5	20
26	Evaluating Vascular Hyperpermeability-inducing Agents in the Skin with the Miles Assay. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	20
27	PLXNA1 and PLXNA3 cooperate to pattern the nasal axons that guide gonadotropin-releasing hormone neurons. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	19
28	The cytoplasmic domain of neuropilinâ€”1 regulates focal adhesion turnover. <i>FEBS Letters</i> , 2013, 587, 3392-3399.	2.8	16
29	KIT Is Required for Fetal Liver Hematopoiesis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 648630.	3.7	9
30	KIT is dispensable for physiological organ vascularisation in the embryo. <i>Angiogenesis</i> , 2022, 25, 343-353.	7.2	8
31	Semaphorin Regulation by the Chromatin Remodeler CHD7: An Emerging Genetic Interaction Shaping Neural Cells and Neural Crest in Development and Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 638674.	3.7	5
32	The Embryonic Mouse Hindbrain and Postnatal Retina as In Vivo Models to Study Angiogenesis. <i>Methods in Molecular Biology</i> , 2015, 1332, 177-188.	0.9	5
33	Imatinib may be ABL to improve anti-angiogenic therapy. <i>Molecular and Cellular Oncology</i> , 2015, 2, e968034.	0.7	3
34	Neuropilin Signalling in Vascular Development and Pathology. <i>Current Angiogenesis</i> , 2012, 1, 125-132.	0.1	2
35	The Mouse Hindbrain: An In Vivo Model to Analyze Developmental Angiogenesis. <i>Methods in Molecular Biology</i> , 2015, 1214, 29-40.	0.9	1
36	03-P064 Macrophages promote vascularisation of the developing brain. <i>Mechanisms of Development</i> , 2009, 126, S85.	1.7	0

#	ARTICLE	IF	CITATIONS
37	P197Neuropilin (NRP) 1 hypomorphism combined with defective VEGF-A binding reveals novel roles for NRP1 in developmental and pathological angiogenesis. <i>Cardiovascular Research</i> , 2014, 103, S35.1-S35.	3.8	0
38	Novel Mechanisms in Vascular Permeability. <i>FASEB Journal</i> , 2012, 26, 79.2.	0.5	0
39	Quantifying and Characterizing Angiogenesis Using the Postnatal Mouse Retina. <i>Methods in Molecular Biology</i> , 2022, 2441, 63-73.	0.9	0
40	The Embryonic Mouse Hindbrain and Postnatal Retina as In Vivo Models to Study Angiogenesis. <i>Methods in Molecular Biology</i> , 2022, 2475, 275-287.	0.9	0
41	Evaluating VEGF-Induced Vascular Leakage Using the Miles Assay. <i>Methods in Molecular Biology</i> , 2022, 2475, 289-295.	0.9	0