

Kari Alitalo

List of Publications by Year in descending order

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735
papers

110,449
citations

93

167
h-index

250

301
g-index

749
all docs

749
docs citations

749
times ranked

57170
citing authors

#	ARTICLE	IF	CITATIONS
1	VEGF guides angiogenic sprouting utilizing endothelial tip cell filopodia. <i>Journal of Cell Biology</i> , 2003, 161, 1163-1177.	2.3	2,483
2	Molecular regulation of angiogenesis and lymphangiogenesis. <i>Nature Reviews Molecular Cell Biology</i> , 2007, 8, 464-478.	16.1	1,711
3	Induction of tumor lymphangiogenesis by VEGF-C promotes breast cancer metastasis. <i>Nature Medicine</i> , 2001, 7, 192-198.	15.2	1,555
4	A dural lymphatic vascular system that drains brain interstitial fluid and macromolecules. <i>Journal of Experimental Medicine</i> , 2015, 212, 991-999.	4.2	1,543
5	Amplified DNA with limited homology to myc cellular oncogene is shared by human neuroblastoma cell lines and a neuroblastoma tumour. <i>Nature</i> , 1983, 305, 245-248.	13.7	1,295
6	A novel vascular endothelial growth factor, VEGF-C, is a ligand for the Flt4 (VEGFR-3) and KDR (VEGFR-2) receptor tyrosine kinases.. <i>EMBO Journal</i> , 1996, 15, 290-298.	3.5	1,264
7	Expression of the fms-like tyrosine kinase 4 gene becomes restricted to lymphatic endothelium during development.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 3566-3570.	3.3	1,262
8	Control of vascular morphogenesis and homeostasis through the angiotensin-Tie system. <i>Nature Reviews Molecular Cell Biology</i> , 2009, 10, 165-177.	16.1	1,235
9	Vascular endothelial growth factor C is required for sprouting of the first lymphatic vessels from embryonic veins. <i>Nature Immunology</i> , 2004, 5, 74-80.	7.0	1,208
10	Lymphangiogenesis: Molecular Mechanisms and Future Promise. <i>Cell</i> , 2010, 140, 460-476.	13.5	1,198
11	Hyperplasia of Lymphatic Vessels in VEGF-C Transgenic Mice. <i>Science</i> , 1997, 276, 1423-1425.	6.0	1,160
12	Lymphangiogenesis in development and human disease. <i>Nature</i> , 2005, 438, 946-953.	13.7	1,117
13	Vascular endothelial growth factor D (VEGF-D) is a ligand for the tyrosine kinases VEGF receptor 2 (Flk1) and VEGF receptor 3 (Flt4). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 548-553.	3.3	1,078
14	Angiosarcomas Express Mixed Endothelial Phenotypes of Blood and Lymphatic Capillaries. <i>American Journal of Pathology</i> , 1999, 154, 385-394.	1.9	984
15	Clinical applications of angiogenic growth factors and their inhibitors. <i>Nature Medicine</i> , 1999, 5, 1359-1364.	15.2	958
16	Copy number variation and selection during reprogramming to pluripotency. <i>Nature</i> , 2011, 471, 58-62.	13.7	870
17	Macrophages regulate salt-dependent volume and blood pressure by a vascular endothelial growth factor-C-dependent buffering mechanism. <i>Nature Medicine</i> , 2009, 15, 545-552.	15.2	835
18	Vascular endothelial growth factor-C-mediated lymphangiogenesis promotes tumour metastasis. <i>EMBO Journal</i> , 2001, 20, 672-682.	3.5	808

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19	The lymphatic vasculature in disease. <i>Nature Medicine</i> , 2011, 17, 1371-1380.	15.2	807
20	Blocking VEGFR-3 suppresses angiogenic sprouting and vascular network formation. <i>Nature</i> , 2008, 454, 656-660.	13.7	731
21	Lymphangiogenesis and cancer metastasis. <i>Nature Reviews Cancer</i> , 2002, 2, 573-583.	12.8	729
22	Cardiovascular Failure in Mouse Embryos Deficient in VEGF Receptor-3. , 1998, 282, 946-949.		726
23	Tumor-Associated Macrophages Express Lymphatic Endothelial Growth Factors and Are Related to Peritumoral Lymphangiogenesis. <i>American Journal of Pathology</i> , 2002, 161, 947-956.	1.9	712
24	Homogeneously staining chromosomal regions contain amplified copies of an abundantly expressed cellular oncogene (c-myc) in malignant neuroendocrine cells from a human colon carcinoma.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1983, 80, 1707-1711.	3.3	711
25	Isolated lymphatic endothelial cells transduce growth, survival and migratory signals via the VEGF-C/D receptor VEGFR-3. <i>EMBO Journal</i> , 2001, 20, 4762-4773.	3.5	705
26	Inhibition of lymphangiogenesis with resulting lymphedema in transgenic mice expressing soluble VEGF receptor-3. <i>Nature Medicine</i> , 2001, 7, 199-205.	15.2	687
27	The biology of vascular endothelial growth factors. <i>Cardiovascular Research</i> , 2005, 65, 550-563.	1.8	680
28	Vascular endothelial growth factor B, a novel growth factor for endothelial cells.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 2576-2581.	3.3	674
29	Proteolytic processing regulates receptor specificity and activity of VEGF-C. <i>EMBO Journal</i> , 1997, 16, 3898-3911.	3.5	669
30	Distribution of human herpesvirus-8 latently infected cells in Kaposi's sarcoma, multicentric Castleman's disease, and primary effusion lymphoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 4546-4551.	3.3	641
31	Molecular mechanisms of lymphangiogenesis in health and disease. <i>Cancer Cell</i> , 2002, 1, 219-227.	7.7	638
32	VEGFs and receptors involved in angiogenesis versus lymphangiogenesis. <i>Current Opinion in Cell Biology</i> , 2009, 21, 154-165.	2.6	636
33	Missense mutations interfere with VEGFR-3 signalling in primary lymphoedema. <i>Nature Genetics</i> , 2000, 25, 153-159.	9.4	593
34	Vascular endothelial growth factor is induced in response to transforming growth factor-beta in fibroblastic and epithelial cells.. <i>Journal of Biological Chemistry</i> , 1994, 269, 6271-6274.	1.6	588
35	Signalling via vascular endothelial growth factor receptor-3 is sufficient for lymphangiogenesis in transgenic mice. <i>EMBO Journal</i> , 2001, 20, 1223-1231.	3.5	583
36	Vascular Endothelial Growth Factor Ligands and Receptors That Regulate Human Cytotrophoblast Survival Are Dysregulated in Severe Preeclampsia and Hemolysis, Elevated Liver Enzymes, and Low Platelets Syndrome. <i>American Journal of Pathology</i> , 2002, 160, 1405-1423.	1.9	575

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37	PDGF-C is a new protease-activated ligand for the PDGF $\hat{1}$ -receptor. <i>Nature Cell Biology</i> , 2000, 2, 302-309.	4.6	548
38	VEGF-C receptor binding and pattern of expression with VEGFR-3 suggests a role in lymphatic vascular development. <i>Development (Cambridge)</i> , 1996, 122, 3829-3837.	1.2	546
39	Lymphatic endothelial reprogramming of vascular endothelial cells by the Prox-1 homeobox transcription factor. <i>EMBO Journal</i> , 2002, 21, 4593-4599.	3.5	544
40	Regulation of angiogenesis via vascular endothelial growth factor receptors. <i>Cancer Research</i> , 2000, 60, 203-12.	0.4	541
41	A model for gene therapy of human hereditary lymphedema. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 12677-12682.	3.3	538
42	Abnormal lymphatic vessel development in neuropilin 2 mutant mice. <i>Development (Cambridge)</i> , 2002, 129, 4797-4806.	1.2	526
43	Binding of Ras to Phosphoinositide 3-Kinase p110 $\hat{1}$ Is Required for Ras- Driven Tumorigenesis in Mice. <i>Cell</i> , 2007, 129, 957-968.	13.5	524
44	Defective valves and abnormal mural cell recruitment underlie lymphatic vascular failure in lymphedema distichiasis. <i>Nature Medicine</i> , 2004, 10, 974-981.	15.2	515
45	Vascular endothelial growth factor C induces angiogenesis in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 14389-14394.	3.3	513
46	Endothelial receptor tyrosine kinases involved in angiogenesis.. <i>Journal of Cell Biology</i> , 1995, 129, 895-898.	2.3	504
47	PDGF-D is a specific, protease-activated ligand for the PDGF $\hat{2}$ -receptor. <i>Nature Cell Biology</i> , 2001, 3, 512-516.	4.6	503
48	FGFR-4, a novel acidic fibroblast growth factor receptor with a distinct expression pattern.. <i>EMBO Journal</i> , 1991, 10, 1347-1354.	3.5	492
49	Vascular endothelial growth factor is induced in response to transforming growth factor-beta in fibroblastic and epithelial cells. <i>Journal of Biological Chemistry</i> , 1994, 269, 6271-4.	1.6	492
50	Polarized Vascular Endothelial Growth Factor Secretion by Human Retinal Pigment Epithelium and Localization of Vascular Endothelial Growth Factor Receptors on the Inner Choriocapillaris. <i>American Journal of Pathology</i> , 1999, 155, 421-428.	1.9	491
51	Vascularization of the mouse embryo: A study of flk-1, tek, tie, and vascular endothelial growth factor expression during development. <i>Developmental Dynamics</i> , 1995, 203, 80-92.	0.8	486
52	VEGFR-3 and Its Ligand VEGF-C Are Associated with Angiogenesis in Breast Cancer. <i>American Journal of Pathology</i> , 1999, 154, 1381-1390.	1.9	484
53	Vascular endothelial growth factor C promotes tumor lymphangiogenesis and intralymphatic tumor growth. <i>Cancer Research</i> , 2001, 61, 1786-90.	0.4	483
54	Pathogenesis of persistent lymphatic vessel hyperplasia in chronic airway inflammation. <i>Journal of Clinical Investigation</i> , 2005, 115, 247-257.	3.9	475

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55	VEGF- α -induced lymphangiogenesis in sentinel lymph nodes promotes tumor metastasis to distant sites. <i>Blood</i> , 2007, 109, 1010-1017.	0.6	473
56	Vascular endothelial growth factor B (VEGF-B) binds to VEGF receptor-1 and regulates plasminogen activator activity in endothelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 11709-11714.	3.3	472
57	A cellular oncogene (c-Ki-ras) is amplified, overexpressed, and located within karyotypic abnormalities in mouse adrenocortical tumour cells. <i>Nature</i> , 1983, 303, 497-501.	13.7	471
58	Suppression of Tumor Lymphangiogenesis and Lymph Node Metastasis by Blocking Vascular Endothelial Growth Factor Receptor 3 Signaling. <i>Journal of the National Cancer Institute</i> , 2002, 94, 819-825.	3.0	469
59	The receptor tyrosine kinase TIE is required for integrity and survival of vascular endothelial cells.. <i>EMBO Journal</i> , 1995, 14, 5884-5891.	3.5	439
60	VEGF and VEGF-C: Specific Induction of Angiogenesis and Lymphangiogenesis in the Differentiated Avian Chorioallantoic Membrane. <i>Developmental Biology</i> , 1997, 188, 96-109.	0.9	438
61	VEGFs, receptors and angiogenesis. <i>Seminars in Cancer Biology</i> , 1999, 9, 211-220.	4.3	438
62	Understanding the functions and relationships of the glymphatic system and meningeal lymphatics. <i>Journal of Clinical Investigation</i> , 2017, 127, 3210-3219.	3.9	436
63	A novel vascular endothelial growth factor, VEGF-C, is a ligand for the Flt4 (VEGFR-3) and KDR (VEGFR-2) receptor tyrosine kinases. <i>EMBO Journal</i> , 1996, 15, 290-98.	3.5	432
64	Consensus guidelines for the use and interpretation of angiogenesis assays. <i>Angiogenesis</i> , 2018, 21, 425-532.	3.7	429
65	Kaposi sarcoma herpesvirus- α -induced cellular reprogramming contributes to the lymphatic endothelial gene expression in Kaposi sarcoma. <i>Nature Genetics</i> , 2004, 36, 687-693.	9.4	414
66	Interaction of endostatin with integrins implicated in angiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 1024-1029.	3.3	411
67	Comparison of VEGF, VEGF-B, VEGF-C and Ang-1 mRNA regulation by serum, growth factors, oncoproteins and hypoxia. <i>Oncogene</i> , 1997, 14, 2475-2483.	2.6	407
68	Angiopoietins assemble distinct Tie2 signalling complexes in endothelial cell-cell and cell-matrix contacts. <i>Nature Cell Biology</i> , 2008, 10, 527-537.	4.6	406
69	PDZ interaction site in ephrinB2 is required for the remodeling of lymphatic vasculature. <i>Genes and Development</i> , 2005, 19, 397-410.	2.7	405
70	Signaling and Functions of Angiopoietin-1 in Vascular Protection. <i>Circulation Research</i> , 2006, 98, 1014-1023.	2.0	396
71	VEGF and angiopoietin signaling in tumor angiogenesis and metastasis. <i>Trends in Molecular Medicine</i> , 2011, 17, 347-362.	3.5	391
72	Gene transfer as a tool to induce therapeutic vascular growth. <i>Nature Medicine</i> , 2003, 9, 694-701.	15.2	382

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73	Adult bone marrow-derived cells recruited during angiogenesis comprise precursors for periendothelial vascular mural cells. <i>Blood</i> , 2004, 104, 2084-2086.	0.6	382
74	Congenital Hereditary Lymphedema Caused by a Mutation That Inactivates VEGFR3 Tyrosine Kinase. <i>American Journal of Human Genetics</i> , 2000, 67, 295-301.	2.6	380
75	Bone marrow-derived circulating endothelial precursors do not contribute to vascular endothelium and are not needed for tumor growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 6620-6625.	3.3	380
76	VEGF-D Is the Strongest Angiogenic and Lymphangiogenic Effector Among VEGFs Delivered Into Skeletal Muscle via Adenoviruses. <i>Circulation Research</i> , 2003, 92, 1098-1106.	2.0	374
77	Vascular Growth Factors and Lymphangiogenesis. <i>Physiological Reviews</i> , 2002, 82, 673-700.	13.1	373
78	Tie receptors: new modulators of angiogenic and lymphangiogenic responses. <i>Nature Reviews Molecular Cell Biology</i> , 2001, 2, 257-267.	16.1	366
79	Therapeutic targeting of the angiopoietin-TIE pathway. <i>Nature Reviews Drug Discovery</i> , 2017, 16, 635-661.	21.5	364
80	Critical role of CD11b+ macrophages and VEGF in inflammatory lymphangiogenesis, antigen clearance, and inflammation resolution. <i>Blood</i> , 2009, 113, 5650-5659.	0.6	363
81	Vascular Endothelial Cell Growth Factor Receptor 3-Mediated Activation of Lymphatic Endothelium Is Crucial for Tumor Cell Entry and Spread via Lymphatic Vessels. <i>Cancer Research</i> , 2005, 65, 4739-4746.	0.4	361
82	Concurrent Induction of Lymphangiogenesis, Angiogenesis, and Macrophage Recruitment by Vascular Endothelial Growth Factor-C in Melanoma. <i>American Journal of Pathology</i> , 2001, 159, 893-903.	1.9	356
83	VEGFR-3 and CD133 identify a population of CD34+ lymphatic/vascular endothelial precursor cells. <i>Blood</i> , 2003, 101, 168-172.	0.6	356
84	Vascular Endothelial Growth Factor Receptor-3 in Lymphangiogenesis in Wound Healing. <i>American Journal of Pathology</i> , 2000, 156, 1499-1504.	1.9	352
85	Lymphatic vasculature: development, molecular regulation and role in tumor metastasis and inflammation. <i>Trends in Immunology</i> , 2004, 25, 387-395.	2.9	351
86	Absence of functional lymphatics within a murine sarcoma: a molecular and functional evaluation. <i>Cancer Research</i> , 2000, 60, 4324-7.	0.4	341
87	Immune cells control skin lymphatic electrolyte homeostasis and blood pressure. <i>Journal of Clinical Investigation</i> , 2013, 123, 2803-2815.	3.9	338
88	Proinflammatory Cytokines Regulate Expression of the Lymphatic Endothelial Mitogen Vascular Endothelial Growth Factor-C. <i>Journal of Biological Chemistry</i> , 1998, 273, 8413-8418.	1.6	336
89	A novel endothelial cell surface receptor tyrosine kinase with extracellular epidermal growth factor homology domains.. <i>Molecular and Cellular Biology</i> , 1992, 12, 1698-1707.	1.1	327
90	Pathogenesis of persistent lymphatic vessel hyperplasia in chronic airway inflammation. <i>Journal of Clinical Investigation</i> , 2005, 115, 247-257.	3.9	326

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91	A novel vascular endothelial growth factor, VEGF-C, is a ligand for the Flt4 (VEGFR-3) and KDR (VEGFR-2) receptor tyrosine kinases.. EMBO Journal, 1996, 15, 1751-1751.	3.5	324
92	Therapeutic differentiation and maturation of lymphatic vessels after lymph node dissection and transplantation. Nature Medicine, 2007, 13, 1458-1466.	15.2	321
93	VEGF-C-driven lymphatic drainage enables immunosurveillance of brain tumours. Nature, 2020, 577, 689-694.	13.7	321
94	Molecular Biology and Pathology of Lymphangiogenesis. Annual Review of Pathology: Mechanisms of Disease, 2008, 3, 367-397.	9.6	314
95	Fibronectin is produced by human macrophages.. Journal of Experimental Medicine, 1980, 151, 602-613.	4.2	312
96	Development and plasticity of meningeal lymphatic vessels. Journal of Experimental Medicine, 2017, 214, 3645-3667.	4.2	311
97	Neuropilin-2 mediates VEGF-C-induced lymphatic sprouting together with VEGFR3. Journal of Cell Biology, 2010, 188, 115-130.	2.3	307
98	Oncogene Amplification in Tumor Cells. Advances in Cancer Research, 1986, 47, 235-281.	1.9	303
99	VEGF β and VEGF δ expression in neuroendocrine cells and their receptor, VEGFR β , in fenestrated blood vessels in human tissues. FASEB Journal, 2000, 14, 2087-2096.	0.2	299
100	FOXC2 controls formation and maturation of lymphatic collecting vessels through cooperation with NFATc1. Journal of Cell Biology, 2009, 185, 439-457.	2.3	295
101	The human p50csk tyrosine kinase phosphorylates p56lck at Tyr-505 and down regulates its catalytic activity.. EMBO Journal, 1992, 11, 2919-2924.	3.5	294
102	Vascular Endothelial Growth Factors VEGF-B and VEGF-C Are Expressed in Human Tumors. American Journal of Pathology, 1998, 153, 103-108.	1.9	289
103	Blockade of vascular endothelial growth factor receptor-3 signaling inhibits fibroblast growth factor-2-induced lymphangiogenesis in mouse cornea. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 8868-8873.	3.3	287
104	Isolation of the pericellular matrix of human fibroblast cultures.. Journal of Cell Biology, 1979, 81, 83-91.	2.3	281
105	Biosynthesis of Vascular Endothelial Growth Factor-D Involves Proteolytic Processing Which Generates Non-covalent Homodimers. Journal of Biological Chemistry, 1999, 274, 32127-32136.	1.6	281
106	Induction of a basement membrane glycoprotein in embryonic kidney: possible role of laminin in morphogenesis.. Proceedings of the National Academy of Sciences of the United States of America, 1980, 77, 485-489.	3.3	279
107	Comparative Evaluation of FGF-2, VEGF-A, and VEGF-C-Induced Angiogenesis, Lymphangiogenesis, Vascular Fenestrations, and Permeability. Circulation Research, 2004, 94, 664-670.	2.0	276
108	VEGFR-3 controls tip to stalk conversion at vessel fusion sites by reinforcing Notch signalling. Nature Cell Biology, 2011, 13, 1202-1213.	4.6	272

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109	Novel function for blood platelets and podoplanin in developmental separation of blood and lymphatic circulation. <i>Blood</i> , 2010, 115, 3997-4005.	0.6	267
110	Functional interaction of VEGF β and VEGF δ with neuropilin receptors. <i>FASEB Journal</i> , 2006, 20, 1462-1472.	0.2	265
111	Macrophage skewing by Phd2 haplo deficiency prevents ischaemia by inducing arteriogenesis. <i>Nature</i> , 2011, 479, 122-126.	13.7	265
112	Vascular Abnormalities and Deregulation of VEGF in Lkb1-Deficient Mice. <i>Science</i> , 2001, 293, 1323-1326.	6.0	264
113	Lymphatic System in Cardiovascular Medicine. <i>Circulation Research</i> , 2016, 118, 515-530.	2.0	258
114	Lymphangiogenic factors, mechanisms, and applications. <i>Journal of Clinical Investigation</i> , 2014, 124, 878-887.	3.9	257
115	Repression of cyclin D1: a novel function of MYC. <i>Molecular and Cellular Biology</i> , 1994, 14, 4032-4043.	1.1	256
116	Biological action of angiotensin-2 in a fibrin matrix model of angiogenesis is associated with activation of Tie2. <i>Cardiovascular Research</i> , 2001, 49, 659-670.	1.8	255
117	Vascular endothelial growth factor (VEGF)-like protein from orf virus NZ2 binds to VEGFR2 and neuropilin-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 3071-3076.	3.3	254
118	Peripheral Blood Platelets Express VEGF-C and VEGF which Are Released during Platelet Activation. <i>Thrombosis and Haemostasis</i> , 1998, 80, 171-175.	1.8	253
119	Identification of nuclear proteins encoded by viral and cellular myc oncogenes. <i>Nature</i> , 1983, 306, 274-277.	13.7	252
120	A novel multistep mechanism for initial lymphangiogenesis in mouse embryos based on ultramicroscopy. <i>EMBO Journal</i> , 2013, 32, 629-644.	3.5	252
121	Vascular endothelial growth factor-C expression in human prostatic carcinoma and its relationship to lymph node metastasis. <i>British Journal of Cancer</i> , 1999, 80, 309-313.	2.9	250
122	Signaling via Vascular Endothelial Growth Factor Receptors. <i>Experimental Cell Research</i> , 1999, 253, 117-130.	1.2	246
123	Lack of lymphatic vascular specificity of vascular endothelial growth factor receptor 3 in 185 vascular tumors. <i>Journal of Vascular Medicine and Biology</i> , 1999, 86, 2406-2412.		244
124	Vascular endothelial growth factor signaling in development and disease. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	244
125	The related FLT4, FLT1, and KDR receptor tyrosine kinases show distinct expression patterns in human fetal endothelial cells. <i>Journal of Experimental Medicine</i> , 1993, 178, 2077-2088.	4.2	241
126	Vascular endothelial growth factor (VEGF) β signaling through FLT-4 (VEGFR-3) mediates leukemic cell proliferation, survival, and resistance to chemotherapy. <i>Blood</i> , 2002, 99, 2179-2184.	0.6	241

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127	Differential Binding of Vascular Endothelial Growth Factor B Splice and Proteolytic Isoforms to Neuropilin-1. <i>Journal of Biological Chemistry</i> , 1999, 274, 21217-21222.	1.6	239
128	Mechanisms of angiogenesis and their use in the inhibition of tumor growth and metastasis. <i>Oncogene</i> , 2000, 19, 6122-6129.	2.6	237
129	Enhanced jun gene expression is an early genomic response to transforming growth factor beta stimulation.. <i>Molecular and Cellular Biology</i> , 1989, 9, 1255-1262.	1.1	235
130	Inhibition of Lymphogenous Metastasis Using Adeno-Associated Virus-Mediated Gene Transfer of a Soluble VEGFR-3 Decoy Receptor. <i>Cancer Research</i> , 2005, 65, 6901-6909.	0.4	234
131	Lymphatic endothelium and Kaposi's sarcoma spindle cells detected by antibodies against the vascular endothelial growth factor receptor-3. <i>Cancer Research</i> , 1998, 58, 1599-604.	0.4	232
132	Expression of Vascular Endothelial Growth Factor and Placenta Growth Factor in Human Placenta1. <i>Biology of Reproduction</i> , 1997, 56, 489-494.	1.2	230
133	Therapeutic lymphangiogenesis with human recombinant VEGFâ€€. <i>FASEB Journal</i> , 2002, 16, 1985-1987.	0.2	229
134	Two alternative mRNAs coding for the angiogenic factor, placenta growth factor (PlGF), are transcribed from a single gene of chromosome 14. <i>Oncogene</i> , 1993, 8, 925-31.	2.6	227
135	Neural guidance molecules regulate vascular remodeling and vessel navigation. <i>Genes and Development</i> , 2005, 19, 1013-1021.	2.7	226
136	Ligand-induced Vascular Endothelial Growth Factor Receptor-3 (VEGFR-3) Heterodimerization with VEGFR-2 in Primary Lymphatic Endothelial Cells Regulates Tyrosine Phosphorylation Sites. <i>Journal of Biological Chemistry</i> , 2003, 278, 40973-40979.	1.6	220
137	Nonvenous Origin of Dermal Lymphatic Vasculature. <i>Circulation Research</i> , 2015, 116, 1649-1654.	2.0	220
138	Angiopoietin-1 promotes lymphatic sprouting and hyperplasia. <i>Blood</i> , 2005, 105, 4642-4648.	0.6	218
139	Vascular Endothelial Growth Factor Receptor 3 Is Involved in Tumor Angiogenesis and Growth. <i>Cancer Research</i> , 2007, 67, 593-599.	0.4	216
140	Interaction of endostatin with integrins implicated in angiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 1024-9.	3.3	216
141	Angiopoietin-1 promotes LYVE-1-positive lymphatic vessel formation. <i>Blood</i> , 2005, 105, 4649-4656.	0.6	214
142	An important role of lymphatic vessel activation in limiting acute inflammation. <i>Blood</i> , 2011, 117, 4667-4678.	0.6	212
143	Endothelial destabilization by angiopoietin-2 via integrin Î²1 activation. <i>Nature Communications</i> , 2015, 6, 5962.	5.8	210
144	Stimulation of lymphangiogenesis via VEGFR-3 inhibits chronic skin inflammation. <i>Journal of Experimental Medicine</i> , 2010, 207, 2255-2269.	4.2	208

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145	Abnormal lymphatic vessel development in neuropilin 2 mutant mice. <i>Development (Cambridge)</i> , 2002, 129, 4797-806.	1.2	208
146	cKit Lineage Hemogenic Endothelium-Derived Cells Contribute to Mesenteric Lymphatic Vessels. <i>Cell Reports</i> , 2015, 10, 1708-1721.	2.9	207
147	Vascular endothelial growth factors are differentially regulated by steroid hormones and antiestrogens in breast cancer cells. <i>Molecular and Cellular Endocrinology</i> , 1999, 149, 29-40.	1.6	206
148	Involvement of vascular endothelial growth factor receptor-3 in maintenance of integrity of endothelial cell lining during tumor angiogenesis. <i>Blood</i> , 2000, 96, 546-553.	0.6	206
149	FLT4 receptor tyrosine kinase contains seven immunoglobulin-like loops and is expressed in multiple human tissues and cell lines. <i>Cancer Research</i> , 1992, 52, 5738-43.	0.4	206
150	Vegfc/Flt4 signalling is suppressed by Dll4 in developing zebrafish intersegmental arteries. <i>Development (Cambridge)</i> , 2009, 136, 4001-4009.	1.2	205
151	A Recombinant Mutant Vascular Endothelial Growth Factor-C that Has Lost Vascular Endothelial Growth Factor Receptor-2 Binding, Activation, and Vascular Permeability Activities. <i>Journal of Biological Chemistry</i> , 1998, 273, 6599-6602.	1.6	204
152	A Senescence-Inflammatory Switch from Cancer-Inhibitory to Cancer-Promoting Mechanism. <i>Cancer Cell</i> , 2013, 24, 242-256.	7.7	201
153	VEGF-C induced lymphangiogenesis is associated with lymph node metastasis in orthotopic MCF-7 tumors. <i>International Journal of Cancer</i> , 2002, 98, 946-951.	2.3	200
154	THE LYMPHATIC VASCULATURE: Recent Progress and Paradigms. <i>Annual Review of Cell and Developmental Biology</i> , 2005, 21, 457-483.	4.0	200
155	Nucleotide sequence to the v-myc oncogene of avian retrovirus MC29.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1983, 80, 100-104.	3.3	197
156	Adenoviral Expression of Vascular Endothelial Growth Factor-C Induces Lymphangiogenesis in the Skin. <i>Circulation Research</i> , 2001, 88, 623-629.	2.0	197
157	Large-scale identification of genes implicated in kidney glomerulus development and function. <i>EMBO Journal</i> , 2006, 25, 1160-1174.	3.5	196
158	CCBE1 Enhances Lymphangiogenesis via A Disintegrin and Metalloprotease With Thrombospondin Motifs-Mediated Vascular Endothelial Growth Factor-C Activation. <i>Circulation</i> , 2014, 129, 1962-1971.	1.6	195
159	Multiple angiopoietin recombinant proteins activate the Tie1 receptor tyrosine kinase and promote its interaction with Tie2. <i>Journal of Cell Biology</i> , 2005, 169, 239-243.	2.3	193
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