

Lena Claesson-Welsh

List of Publications by Year in descending order

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180
papers

23,100
citations

13099

68
h-index

8167

148
g-index

191
all docs

191
docs citations

191
times ranked

26269
citing authors

#	ARTICLE	IF	CITATIONS
1	VEGF receptor signalling ? in control of vascular function. Nature Reviews Molecular Cell Biology, 2006, 7, 359-371.	37.0	2,698
2	Mechanisms and regulation of endothelial VEGF receptor signalling. Nature Reviews Molecular Cell Biology, 2016, 17, 611-625.	37.0	1,034
3	Signal transduction by VEGF receptors in regulation of angiogenesis and lymphangiogenesis. Experimental Cell Research, 2006, 312, 549-560.	2.6	910
4	FGF and VEGF function in angiogenesis: signalling pathways, biological responses and therapeutic inhibition. Trends in Pharmacological Sciences, 2001, 22, 201-207.	8.7	859
5	Signal transduction by vascular endothelial growth factor receptors. Biochemical Journal, 2011, 437, 169-183.	3.7	712
6	Signal Transduction by Vascular Endothelial Growth Factor Receptors. Cold Spring Harbor Perspectives in Medicine, 2012, 2, a006502-a006502.	6.2	670
7	Proteolytic processing regulates receptor specificity and activity of VEGF-C. EMBO Journal, 1997, 16, 3898-3911.	7.8	669
8	2â€²-Fluoropyrimidine RNA-based Aptamers to the 165-Amino Acid Form of Vascular Endothelial Growth Factor (VEGF165). Journal of Biological Chemistry, 1998, 273, 20556-20567.	3.4	648
9	<scp>VEGFA</scp> and tumour angiogenesis. Journal of Internal Medicine, 2013, 273, 114-127.	6.0	635
10	HRG Inhibits Tumor Growth and Metastasis by Inducing Macrophage Polarization and Vessel Normalization through Downregulation of PlGF. Cancer Cell, 2011, 19, 31-44.	16.8	628
11	A novel function for tissue inhibitor of metalloproteinases-3 (TIMP3): inhibition of angiogenesis by blockage of VEGF binding to VEGF receptor-2. Nature Medicine, 2003, 9, 407-415.	30.7	616
12	VEGF-receptor signal transduction. Trends in Biochemical Sciences, 2003, 28, 488-494.	7.5	563
13	PDGF stimulates an increase in GTPâ€³Rac via activation of phosphoinositide 3-kinase. Current Biology, 1995, 5, 393-403.	3.9	531
14	TGF-Î²1 binding protein: A component of the large latent complex of TGF-Î²1 with multiple repeat sequences. Cell, 1990, 61, 1051-1061.	28.9	455
15	Activation of phosphoinositide 3-kinase is required for PDGF-stimulated membrane ruffling. Current Biology, 1994, 4, 385-393.	3.9	447
16	Vascular endothelial growth factor B controls endothelial fatty acid uptake. Nature, 2010, 464, 917-921.	27.8	423
17	The role of differential VE-cadherin dynamics in cell rearrangement during angiogenesis. Nature Cell Biology, 2014, 16, 309-321.	10.3	328
18	Permeability of the Endothelial Barrier: Identifying and Reconciling Controversies. Trends in Molecular Medicine, 2021, 27, 314-331.	6.7	272

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19	Function of fibroblast growth factors and vascular endothelial growth factors and their receptors in angiogenesis. <i>Critical Reviews in Oncology/Hematology</i> , 2000, 34, 185-194.	4.4	251
20	VEGF receptor-2 Y951 signaling and a role for the adapter molecule TSA _d in tumor angiogenesis. <i>EMBO Journal</i> , 2005, 24, 2342-2353.	7.8	243
21	Further Pharmacological and Genetic Evidence for the Efficacy of PlGF Inhibition in Cancer and Eye Disease. <i>Cell</i> , 2010, 141, 178-190.	28.9	243
22	Vascular permeability—the essentials. <i>Upsala Journal of Medical Sciences</i> , 2015, 120, 135-143.	0.9	233
23	The Adaptor Protein Shb Binds to Tyrosine 1175 in Vascular Endothelial Growth Factor (VEGF) Receptor-2 and Regulates VEGF-dependent Cellular Migration. <i>Journal of Biological Chemistry</i> , 2004, 279, 22267-22275.	3.4	225
24	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.	3.4	220
25	Heparan Sulfate in trans Potentiates VEGFR-Mediated Angiogenesis. <i>Developmental Cell</i> , 2006, 10, 625-634.	7.0	220
26	Activation of p70/p85 S6 kinase by a pathway independent of p21 ^{ras} . <i>Nature</i> , 1994, 371, 426-429.	27.8	215
27	Structural basis and potential role of heparin/heparan sulfate binding to the angiogenesis inhibitor endostatin. <i>EMBO Journal</i> , 1999, 18, 6240-6248.	7.8	196
28	Endostatins derived from collagens XV and XVIII differ in structural and binding properties, tissue distribution and anti-angiogenic activity. <i>Journal of Molecular Biology</i> , 2000, 301, 1179-1190.	4.2	195
29	VEGFR2 induces c-Src signaling and vascular permeability in vivo via the adaptor protein TSA _d . <i>Journal of Experimental Medicine</i> , 2012, 209, 1363-1377.	8.5	194
30	p38 MAP kinase negatively regulates endothelial cell survival, proliferation, and differentiation in FGF-2-stimulated angiogenesis. <i>Journal of Cell Biology</i> , 2002, 156, 149-160.	5.2	183
31	Identification and characterization of VEGF-A-responsive neutrophils expressing CD49d, VEGFR1, and CXCR4 in mice and humans. <i>Blood</i> , 2015, 126, 2016-2026.	1.4	183
32	Vascular endothelial growth factors and receptors: Anti-angiogenic therapy in the treatment of cancer. <i>Molecular Aspects of Medicine</i> , 2011, 32, 88-111.	6.4	173
33	Selectively Desulfated Heparin Inhibits Fibroblast Growth Factor-induced Mitogenicity and Angiogenesis. <i>Journal of Biological Chemistry</i> , 2000, 275, 24653-24660.	3.4	164
34	Placenta growth factor stimulates MAP kinase and mitogenicity but not phospholipase C- β and migration of endothelial cells expressing Flt 1. <i>Oncogene</i> , 1998, 16, 359-367.	5.9	156
35	VEGF receptor 2/3 heterodimers detected in situ by proximity ligation on angiogenic sprouts. <i>EMBO Journal</i> , 2010, 29, 1377-1388.	7.8	149
36	Vascular Endothelial Growth Factor (VEGF)-A165b Is a Weak <i>In vitro</i> Agonist for VEGF Receptor-2 Due to Lack of Coreceptor Binding and Deficient Regulation of Kinase Activity. <i>Cancer Research</i> , 2008, 68, 4683-4692.	0.9	147

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37	Neuropilin-1 in regulation of VEGF-induced activation of p38MAPK and endothelial cell organization. <i>Blood</i> , 2008, 112, 3638-3649.	1.4	143
38	Angiomotin regulates endothelial cell migration during embryonic angiogenesis. <i>Genes and Development</i> , 2007, 21, 2055-2068.	5.9	128
39	VEGF-Induced Activation of Phosphoinositide 3-Kinase Is Dependent on Focal Adhesion Kinase. <i>Experimental Cell Research</i> , 2001, 263, 173-182.	2.6	122
40	VE-PTP regulates VEGFR2 activity in stalk cells to establish endothelial cell polarity and lumen formation. <i>Nature Communications</i> , 2013, 4, 1672.	12.8	120
41	Signaling properties of VEGF receptor-1 and -2 homo- and heterodimers. <i>International Journal of Biochemistry and Cell Biology</i> , 2001, 33, 315-324.	2.8	118
42	Contribution of Src and Ras pathways in FGF-2 induced endothelial cell differentiation. <i>Oncogene</i> , 1999, 18, 3354-3364.	5.9	113
43	Overexpression of VEGF 121 in Immortalized Endothelial Cells Causes Conversion to Slowly Growing Angiosarcoma and High Level Expression of the VEGF Receptors VEGFR-1 and VEGFR-2 in Vivo. <i>American Journal of Pathology</i> , 2000, 156, 1469-1476.	3.8	113
44	VEGFR2 pY949 signalling regulates adherens junction integrity and metastatic spread. <i>Nature Communications</i> , 2016, 7, 11017.	12.8	111
45	Involvement of Phosphatidylinositide 3-Kinase and Rac in Platelet-Derived Growth Factor-Induced Actin Reorganization and Chemotaxis. <i>Experimental Cell Research</i> , 1997, 234, 434-441.	2.6	110
46	Shc and a Novel 89-kDa Component Couple to the Grb2-Sos Complex in Fibroblast Growth Factor-2-stimulated Cells. <i>Journal of Biological Chemistry</i> , 1995, 270, 23337-23344.	3.4	102
47	Endostatin regulates endothelial cell adhesion and cytoskeletal organization. <i>Cancer Research</i> , 2002, 62, 1944-7.	0.9	101
48	Identification of Vascular Endothelial Growth Factor Receptor-1 Tyrosine Phosphorylation Sites and Binding of SH2 Domain-containing Molecules. <i>Journal of Biological Chemistry</i> , 1998, 273, 23410-23418.	3.4	99
49	Fibroblast Growth Factor Receptor-1-mediated Endothelial Cell Proliferation Is Dependent on the Src Homology (SH) 2/SH3 Domain-containing Adaptor Protein Crk. <i>Journal of Biological Chemistry</i> , 1999, 274, 25726-25734.	3.4	99
50	Angiostatin and endostatin inhibit endothelial cell migration in response to FGF and VEGF without interfering with specific intracellular signal transduction pathways. <i>FEBS Letters</i> , 2003, 536, 19-24.	2.8	98
51	Transcriptional profiling reveals a critical role for tyrosine phosphatase VE-PTP in regulation of VEGFR2 activity and endothelial cell morphogenesis. <i>FASEB Journal</i> , 2009, 23, 1490-1502.	0.5	98
52	Requirement for Phosphatidylinositol 3-Kinase Activity in Platelet-derived Growth Factor-stimulated Tyrosine Phosphorylation of p125 Focal Adhesion Kinase and Paxillin. <i>Journal of Biological Chemistry</i> , 1996, 271, 7829-7834.	3.4	94
53	Proteomic Analysis of Vascular Endothelial Growth Factor-induced Endothelial Cell Differentiation Reveals a Role for Chloride Intracellular Channel 4 (CLIC4) in Tubular Morphogenesis*. <i>Journal of Biological Chemistry</i> , 2005, 280, 42397-42404.	3.4	90
54	Building blood vessels—stem cell models in vascular biology. <i>Journal of Cell Biology</i> , 2007, 177, 751-755.	5.2	89

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55	Expression of Protein Tyrosine Kinases in Islet Cells: Possible Role of the Flk-1 Receptor for α -Cell Maturation from Duct Cells. <i>Growth Factors</i> , 1994, 10, 115-126.	1.7	87
56	Phosphatidylinositol 3-Kinase-independent p70 S6 Kinase Activation by Fibroblast Growth Factor Receptor-1 Is Important for Proliferation but Not Differentiation of Endothelial Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 23347-23353.	3.4	86
57	NRP1 Presented in trans to the Endothelium Arrests VEGFR2 Endocytosis, Preventing Angiogenic Signaling and Tumor Initiation. <i>Developmental Cell</i> , 2014, 28, 633-646.	7.0	85
58	Role of heparan sulfate domain organization in endostatin inhibition of endothelial cell function. <i>EMBO Journal</i> , 2002, 21, 6303-6311.	7.8	84
59	VEGF receptor signal transduction – A brief update. <i>Vascular Pharmacology</i> , 2016, 86, 14-17.	2.1	84
60	Mechanism of action of platelet-derived growth factor. <i>International Journal of Biochemistry and Cell Biology</i> , 1996, 28, 373-385.	2.8	83
61	A Fragment of Histidine-Rich Glycoprotein Is a Potent Inhibitor of Tumor Vascularization. <i>Cancer Research</i> , 2004, 64, 599-605.	0.9	83
62	Platelet-derived growth factor receptor- β promotes early endothelial cell differentiation. <i>Blood</i> , 2006, 108, 1877-1886.	1.4	83
63	β -crystallin promotes tumor angiogenesis by increasing vascular survival during tube morphogenesis. <i>Blood</i> , 2008, 111, 2015-2023.	1.4	83
64	Activation of Stat5 by platelet-derived growth factor (PDGF) is dependent on phosphorylation sites in PDGF β -receptor juxtamembrane and kinase insert domains. <i>Oncogene</i> , 1998, 16, 505-515.	5.9	82
65	Signal transduction by the PDGF receptors. <i>Progress in Growth Factor Research</i> , 1994, 5, 37-54.	1.6	80
66	Expression of Growth Factors and Growth Factor Receptors in Capillary Hemangioblastoma. <i>Journal of Neuropathology and Experimental Neurology</i> , 1996, 55, 522-527.	1.7	78
67	Type 3 cystatins; fetuins, kininogen and histidine-rich glycoprotein. <i>Frontiers in Bioscience - Landmark</i> , 2009, Volume, 2911.	3.0	77
68	Platelet-Derived Growth Factor Receptor- β Constitutive Activity Promotes Angiogenesis In Vivo and In Vitro. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 2142-2149.	2.4	72
69	Crb7 is a Downstream Signaling Component of Platelet-derived Growth Factor α - and β -Receptors. <i>Journal of Biological Chemistry</i> , 1996, 271, 30942-30949.	3.4	67
70	Vascular permeability in retinopathy is regulated by VEGFR2 Y949 signaling to VE-cadherin. <i>ELife</i> , 2020, 9, .	6.0	65
71	Laminin deposition is dispensable for vasculogenesis but regulates blood vessel diameter independent of flow. <i>FASEB Journal</i> , 2008, 22, 1530-1539.	0.5	64
72	Fine-Tuning of Sox17 and Canonical Wnt Coordinates the Permeability Properties of the Blood-Brain Barrier. <i>Circulation Research</i> , 2019, 124, 511-525.	4.5	64

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73	Hyaluronan Oligosaccharides Induce Tube Formation of a Brain Endothelial Cell Line in Vitro. <i>Experimental Cell Research</i> , 1997, 237, 223-230.	2.6	63
74	Functional Overlap Between Chondroitin and Heparan Sulfate Proteoglycans During VEGF-Induced Sprouting Angiogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 1255-1263.	2.4	62
75	Pulmonary Lymphangiectasia Resulting From Vascular Endothelial Growth Factor-C Overexpression During a Critical Period. <i>Circulation Research</i> , 2014, 114, 806-822.	4.5	59
76	Signaling via Fibroblast Growth Factor Receptor-1 Is Dependent on Extracellular Matrix in Capillary Endothelial Cell Differentiation. <i>Experimental Cell Research</i> , 1999, 248, 203-213.	2.6	58
77	Minimal Active Domain and Mechanism of Action of the Angiogenesis Inhibitor Histidine-Rich Glycoprotein. <i>Cancer Research</i> , 2006, 66, 2089-2097.	0.9	56
78	Laminin-1 Promotes Angiogenesis in Synergy with Fibroblast Growth Factor by Distinct Regulation of the Gene and Protein Expression Profile in Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 23766-23772.	3.4	55
79	Tyrosine Phosphatase SHP-2 Is Involved in Regulation of Platelet-derived Growth Factor-induced Migration. <i>Journal of Biological Chemistry</i> , 1999, 274, 14455-14463.	3.4	54
80	Distinct role of PLC β 3 in VEGF-mediated directional migration and vascular sprouting. <i>Journal of Cell Science</i> , 2009, 122, 1025-1034.	2.0	54
81	Heparin Amplifies Platelet-derived Growth Factor (PDGF)-BB-induced PDGF β -Receptor but Not PDGF γ -Receptor Tyrosine Phosphorylation in Heparan Sulfate-deficient Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 19315-19321.	3.4	53
82	Deregulation of Flk-1/vascular endothelial growth factor receptor-2 in fibroblast growth factor receptor-1-deficient vascular stem cell development. <i>Journal of Cell Science</i> , 2004, 117, 1513-1523.	2.0	53
83	Intravital imaging-based analysis tools for vessel identification and assessment of concurrent dynamic vascular events. <i>Nature Communications</i> , 2018, 9, 2746.	12.8	53
84	Fibroblast growth factor receptor-1 mediates chemotaxis independently of direct SH2-domain protein binding. <i>Oncogene</i> , 1998, 17, 283-291.	5.9	52
85	The Minimal Active Domain of Endostatin Is a Heparin-Binding Motif that Mediates Inhibition of Tumor Vascularization. <i>Cancer Research</i> , 2004, 64, 9012-9017.	0.9	52
86	Tetraspanin CD63 Promotes Vascular Endothelial Growth Factor Receptor 2- β 1 Integrin Complex Formation, Thereby Regulating Activation and Downstream Signaling in Endothelial Cells in Vitro and in Vivo. <i>Journal of Biological Chemistry</i> , 2013, 288, 19060-19071.	3.4	52
87	U-CAN: a prospective longitudinal collection of biomaterials and clinical information from adult cancer patients in Sweden. <i>Acta Oncologica</i> , 2018, 57, 187-194.	1.8	52
88	Early Lymph Vessel Development From Embryonic Stem Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 1073-1078.	2.4	51
89	p21-activated Kinase 4 Phosphorylation of Integrin β 5 Ser-759 and Ser-762 Regulates Cell Migration. <i>Journal of Biological Chemistry</i> , 2010, 285, 23699-23710.	3.4	51
90	VEGF-mediated signal transduction in lymphatic endothelial cells. <i>Pathophysiology</i> , 2010, 17, 253-261.	2.2	51

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91	Orf virus VEGFâ€ NZ2 promotes paracellular NRPâ€1/VEGFRâ€2 coreceptor assembly via the peptide RPPR. FASEB Journal, 2008, 22, 3078-3086.	0.5	49
92	Cytokines regulating lymphangiogenesis. Current Opinion in Immunology, 2018, 53, 58-63.	5.5	49
93	A Mutated Soluble Neuropilin-2 B Domain Antagonizes Vascular Endothelial Growth Factor Bioactivity and Inhibits Tumor Progression. Molecular Cancer Research, 2010, 8, 1063-1073.	3.4	48
94	The gene encoding the human class II antigen-associated ? chain is located on chromosome 5. Immunogenetics, 1984, 20, 89-93.	2.4	47
95	A Unique Autophosphorylation Site in the Platelet-Derived Growth Factor alpha Receptor from a Heterodimeric Receptor Complex. FEBS Journal, 1994, 225, 29-41.	0.2	47
96	Endothelial Cell Orientation and Polarity Are Controlled by Shear Stress and VEGF Through Distinct Signaling Pathways. Frontiers in Physiology, 2020, 11, 623769.	2.8	47
97	Demonstration of Functionally Different Interactions between Phospholipase C-Î³ and the Two Types of Platelet-derived Growth Factor Receptors. Journal of Biological Chemistry, 1995, 270, 7773-7781.	3.4	46
98	Structural Determinants in the Platelet-derived Growth Factor Î±-Receptor Implicated in Modulation of Chemotaxis. Journal of Biological Chemistry, 1996, 271, 5101-5111.	3.4	45
99	Endostatin action and intracellular signaling: Î²-catenin as a potential target?. Cancer Letters, 2003, 196, 1-12.	7.2	45
100	Ligand-Induced Homo-and Hetero-Dimerization of Platelet-Derived Growth Factor Î±- and Î²-Receptors in Intact Cells. Growth Factors, 1992, 6, 1-14.	1.7	44
101	SUC1-Associated Neurotrophic Factor Target (SNT) Protein Is a Major FGF-Stimulated Tyrosine Phosphorylated 90-kDa Protein Which Binds to the SH2 Domain of GRB2. Biochemical and Biophysical Research Communications, 1996, 225, 1021-1026.	2.1	44
102	A Novel Anti-angiogenic Form of Antithrombin with Retained Proteinase Binding Ability and Heparin Affinity. Journal of Biological Chemistry, 2001, 276, 11996-12002.	3.4	44
103	The Anti-angiogenic His/Pro-rich Fragment of Histidine-rich Glycoprotein Binds to Endothelial Cell Heparan Sulfate in a Zn ²⁺ -dependent Manner. Journal of Biological Chemistry, 2006, 281, 10298-10304.	3.4	44
104	HumanPDGFA receptor gene maps to the same region on chromosome 4 as theKIT oncogene. Genes Chromosomes and Cancer, 1989, 1, 155-158.	2.8	42
105	Expression of PDGF Î±- and Î²-receptors in Rat Arterial Smooth Muscle Cells is Phenotype and Growth State Dependent. Growth Factors, 1990, 3, 191-203.	1.7	42
106	Vascular endothelial growth factor receptor 3 in hypoxia-induced vascular development. FASEB Journal, 2004, 18, 1507-1515.	0.5	41
107	Sphingosine-1-Phosphate Receptor 1 Activity Promotes Tumor Growth by Amplifying VEGF-VEGFR2 Angiogenic Signaling. Cell Reports, 2019, 29, 3472-3487.e4.	6.4	41
108	Endothelial Unc5B controls blood-brain barrier integrity. Nature Communications, 2022, 13, 1169.	12.8	40

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109	Pool of ligand-bound platelet-derived growth factor α -receptors remain activated and tyrosine phosphorylated after internalization. <i>Journal of Cellular Physiology</i> , 1993, 156, 373-382.	4.1	38
110	The Expression of PDGF α 1- and α 2-Receptors in Subpopulations of PDGF-Producing Cells Implicates Autocrine Stimulatory Loops in the Control of Proliferation in Cytotrophoblasts that Have Invaded the Maternal Endometrium. <i>Growth Factors</i> , 1992, 6, 219-231.	1.7	37
111	Structural and functional aspects of the receptors for platelet-derived growth factor. <i>Progress in Growth Factor Research</i> , 1989, 1, 253-266.	1.6	36
112	cDNA Cloning and Expression of a Human FGF Receptor which Binds Acidic and Basic FGF. <i>Growth Factors</i> , 1991, 4, 197-208.	1.7	36
113	Fibroblast Growth Factor Receptor-1 Expression Is Required for Hematopoietic but not Endothelial Cell Development. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 944-949.	2.4	35
114	The endothelial adaptor molecule TSAd is required for VEGF-induced angiogenic sprouting through junctional c-Src activation. <i>Science Signaling</i> , 2016, 9, ra72.	3.6	35
115	Signal transduction by VEGF receptor-1 wild type and mutant proteins. <i>Cellular Signalling</i> , 2001, 13, 849-854.	3.6	33
116	Differential tyrosine phosphorylation of fibroblast growth factor (FGF) receptor-1 and receptor proximal signal transduction in response to FGF-2 and heparin. <i>Experimental Cell Research</i> , 2003, 287, 190-198.	2.6	33
117	Compartmentalization of Autocrine Signal Transduction Pathways in Sis-transformed NIH 3T3 Cells. <i>Journal of Biological Chemistry</i> , 1995, 270, 10161-10170.	3.4	32
118	Blood vessels as targets in tumor therapy. <i>Upsala Journal of Medical Sciences</i> , 2012, 117, 178-186.	0.9	32
119	Genetic Deficiency in Plasma Protein HRG Enhances Tumor Growth and Metastasis by Exacerbating Immune Escape and Vessel Abnormalization. <i>Cancer Research</i> , 2012, 72, 1953-1963.	0.9	32
120	Signal transduction in endothelial cells by the angiogenesis inhibitor histidine-rich glycoprotein targets focal adhesions. <i>Experimental Cell Research</i> , 2006, 312, 2547-2556.	2.6	31
121	Phosphoinositide 3 kinase is critical for survival, mitogenesis and migration but not for differentiation of endothelial cells. <i>Angiogenesis</i> , 1999, 3, 371-380.	7.2	30
122	Chapter 13 VEGF Receptor Signal Transduction. <i>Methods in Enzymology</i> , 2008, 443, 261-284.	1.0	30
123	Mouse retinal cell behaviour in space and time using light sheet fluorescence microscopy. <i>ELife</i> , 2020, 9, .	6.0	30
124	Platelet-derived growth factor: Isoform-specific signalling via heterodimeric or homodimeric receptor complexes. <i>Kidney International</i> , 1992, 41, 571-574.	5.2	28
125	VEGF receptor α 2/neuropilin 1 complex formation between endothelial and tumor cells is an independent predictor of pancreatic cancer survival. <i>Journal of Pathology</i> , 2018, 246, 311-322.	4.5	28
126	Ninein Is Expressed in the Cytoplasm of Angiogenic Tip-Cells and Regulates Tubular Morphogenesis of Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 2123-2130.	2.4	27

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127	Mycâ€dependent endothelial proliferation isâ€controlled by phosphotyrosine 1212 in <sc>VEGF</sc> Åreceptorâ€2. EMBO Reports, 2019, 20, e47845.	4.5	27
128	Dual effects of heparin on VEGF binding to VEGF receptor-1 and transduction of biological responses. , 1999, 3, 159-166.		25
129	Functional Tyrosine Kinase Inhibitor Profiling. American Journal of Pathology, 2002, 161, 781-786.	3.8	25
130	Radionuclide imaging of VEGFR2 in glioma vasculature using biparatopic affibody conjugate: proof-of-principle in a murine model. Theranostics, 2018, 8, 4462-4476.	10.0	25
131	Shear Stress and VE-Cadherin. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 2174-2183.	2.4	25
132	FGFR-1 regulates angiogenesis through cytokines interleukin-4 and pleiotrophin. Blood, 2007, 110, 4214-4222.	1.4	24
133	eNOS-induced vascular barrier disruption in retinopathy by c-Src activation and tyrosine phosphorylation of VE-cadherin. ELife, 2021, 10, .	6.0	24
134	Analysis of VEGF-A Regulated Gene Expression in Endothelial Cells to Identify Genes Linked to Angiogenesis. PLoS ONE, 2011, 6, e24887.	2.5	23
135	Platelet-Derived Growth Factor-Mediated Signaling through the Shb Adaptor Protein: Effects on Cytoskeletal Organization. Experimental Cell Research, 2000, 257, 245-254.	2.6	22
136	VEGF-B Taken to Our Hearts. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 1575-1576.	2.4	22
137	T Cell Specific Adapter Protein (TSAd) Interacts with Tec Kinase ITK to Promote CXCL12 Induced Migration of Human and Murine T Cells. PLoS ONE, 2010, 5, e9761.	2.5	20
138	A B-type PDGF receptor lacking most of the intracellular domain escapes degradation after ligand binding. FEBS Journal, 1989, 182, 679-686.	0.2	19
139	Pdgf-BB Triggered Cytoplasmic Calcium Responses in Cells with Endogenous or Stably Transfected PDGF Î²-Receptors. Growth Factors, 1995, 12, 191-201.	1.7	19
140	c-Src controls stability of sprouting blood vessels in the developing retina independently of cell-cell adhesion through focal adhesion assembly. Development (Cambridge), 2020, 147, .	2.5	19
141	Induction of Fibroblast Growth Factor Receptor-1 mRNA and Protein by Platelet-Derived Growth Factor BB. Experimental Cell Research, 1996, 223, 405-411.	2.6	18
142	Novel affinity binders for neutralization of vascular endothelial growth factor (VEGF) signaling. Cellular and Molecular Life Sciences, 2016, 73, 1671-1683.	5.4	18
143	How the matrix metalloproteinase MMP14 contributes to the progression of colorectal cancer. Journal of Clinical Investigation, 2020, 130, 1093-1095.	8.2	18
144	Tracheobronchial transplantation: The Royal Swedish Academy of Sciences' concerns. Lancet, The, 2016, 387, 942.	13.7	17

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145	Histidine-Rich Glycoprotein Uptake and Turnover Is Mediated by Mononuclear Phagocytes. PLoS ONE, 2014, 9, e107483.	2.5	17
146	Vascular Basement Membrane Components in Angiogenesis – An Act of Balance. Scientific World Journal, The, 2008, 8, 1246-1249.	2.1	16
147	Leukocyte Differentiation by Histidine-Rich Glycoprotein/Stanniocalcin-2 Complex Regulates Murine Glioma Growth through Modulation of Antitumor Immunity. Molecular Cancer Therapeutics, 2018, 17, 1961-1972.	4.1	16
148	Caspase-8 modulates physiological and pathological angiogenesis during retina development. Journal of Clinical Investigation, 2019, 129, 5092-5107.	8.2	16
149	Case-specific potentiation of glioblastoma drugs by pterostilbene. Oncotarget, 2016, 7, 73200-73215.	1.8	16
150	Lentiviral Rescue of Vascular Endothelial Growth Factor Receptor-2 Expression in <i>Flk1</i> Embryonic Stem Cells Shows Early Priming of Endothelial Precursors. Stem Cells, 2007, 25, 2987-2995.	3.2	14
151	Highly sensitive and specific protein detection via combined capillary isoelectric focusing and proximity ligation. Scientific Reports, 2017, 7, 1490.	3.3	14
152	Palmdelphin Regulates Nuclear Resilience to Mechanical Stress in the Endothelium. Circulation, 2021, 144, 1629-1645.	1.6	13
153	High sensitivity isoelectric focusing to establish a signaling biomarker for the diagnosis of human colorectal cancer. BMC Cancer, 2016, 16, 683.	2.6	12
154	Temporal Dynamics of VEGFA-Induced VEGFR2/FAK Co-Localization Depend on SHB. Cells, 2019, 8, 1645.	4.1	12
155	Perivascular Neuropilin-1 expression is an independent marker of improved survival in renal cell carcinoma. Journal of Pathology, 2020, 250, 387-396.	4.5	12
156	Histidine-rich glycoprotein blocks collagen-binding integrins and adhesion of endothelial cells through low-affinity interaction with $\alpha 2$ integrin. Matrix Biology, 2015, 48, 89-99.	3.6	11
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