

# Masabumi Shibuya

## List of Publications by Citations

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158  
papers

16,076  
citations

63  
h-index

126  
g-index

168  
ext. papers

17,402  
ext. citations

8.2  
avg, IF

6.93  
L-index

#	Paper	IF	Citations
158	Flt-1 lacking the tyrosine kinase domain is sufficient for normal development and angiogenesis in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1998</b> , 95, 9349-54	11.5	856
157	Signal transduction by VEGF receptors in regulation of angiogenesis and lymphangiogenesis. <i>Experimental Cell Research</i> , <b>2006</b> , 312, 549-60	4.2	782
156	MMP9 induction by vascular endothelial growth factor receptor-1 is involved in lung-specific metastasis. <i>Cancer Cell</i> , <b>2002</b> , 2, 289-300	24.3	724
155	Vascular Endothelial Growth Factor (VEGF) and Its Receptor (VEGFR) Signaling in Angiogenesis: A Crucial Target for Anti- and Pro-Angiogenic Therapies. <i>Genes and Cancer</i> , <b>2011</b> , 2, 1097-105	2.9	699
154	Blocking VEGFR-3 suppresses angiogenic sprouting and vascular network formation. <i>Nature</i> , <b>2008</b> , 454, 656-60	50.4	649
153	Role of PlGF in the intra- and intermolecular cross talk between the VEGF receptors Flt1 and Flk1. <i>Nature Medicine</i> , <b>2003</b> , 9, 936-43	50.5	631
152	The vascular endothelial growth factor (VEGF)/VEGF receptor system and its role under physiological and pathological conditions. <i>Clinical Science</i> , <b>2005</b> , 109, 227-41	6.5	628
151	Corneal avascularity is due to soluble VEGF receptor-1. <i>Nature</i> , <b>2006</b> , 443, 993-7	50.4	528
150	VEGF activates protein kinase C-dependent, but Ras-independent Raf-MEK-MAP kinase pathway for DNA synthesis in primary endothelial cells. <i>Oncogene</i> , <b>1999</b> , 18, 2221-30	9.2	472
149	Vascular endothelial growth factor and its receptor system: physiological functions in angiogenesis and pathological roles in various diseases. <i>Journal of Biochemistry</i> , <b>2013</b> , 153, 13-9	3.1	457
148	Flt-1, vascular endothelial growth factor receptor 1, is a novel cell surface marker for the lineage of monocyte-macrophages in humans. <i>Blood</i> , <b>2001</b> , 97, 785-91	2.2	404
147	Structure and function of VEGF/VEGF-receptor system involved in angiogenesis. <i>Cell Structure and Function</i> , <b>2001</b> , 26, 25-35	2.2	395
146	Differential roles of vascular endothelial growth factor receptor-1 and receptor-2 in angiogenesis. <i>BMB Reports</i> , <b>2006</b> , 39, 469-78	5.5	375
145	A novel type of vascular endothelial growth factor, VEGF-E (NZ-7 VEGF), preferentially utilizes KDR/Flk-1 receptor and carries a potent mitotic activity without heparin-binding domain. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 31273-82	5.4	283
144	The 230 kDa mature form of KDR/Flk-1 (VEGF receptor-2) activates the PLC-gamma pathway and partially induces mitotic signals in NIH3T3 fibroblasts. <i>Oncogene</i> , <b>1997</b> , 14, 2079-89	9.2	264
143	Essential role of Flk-1 (VEGF receptor 2) tyrosine residue 1173 in vasculogenesis in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 1076-81	11.5	250
142	Roles of two VEGF receptors, Flt-1 and KDR, in the signal transduction of VEGF effects in human vascular endothelial cells. <i>Oncogene</i> , <b>2000</b> , 19, 2138-46	9.2	241

141	Role of VEGF-flt receptor system in normal and tumor angiogenesis. <i>Advances in Cancer Research</i> , <b>1995</b> , 67, 281-316	5.9	238
140	Nucleotide sequence of Fujinami sarcoma virus: evolutionary relationship of its transforming gene with transforming genes of other sarcoma viruses. <i>Cell</i> , <b>1982</b> , 30, 787-95	56.2	238
139	Mammalian Sprouty4 suppresses Ras-independent ERK activation by binding to Raf1. <i>Nature Cell Biology</i> , <b>2003</b> , 5, 427-32	23.4	214
138	Structure and dual function of vascular endothelial growth factor receptor-1 (Flt-1). <i>International Journal of Biochemistry and Cell Biology</i> , <b>2001</b> , 33, 409-20	5.6	200
137	Vascular endothelial growth factor-dependent and -independent regulation of angiogenesis. <i>BMB Reports</i> , <b>2008</b> , 41, 278-86	5.5	191
136	Expression of vascular endothelial growth factor receptors in smooth muscle cells. <i>Journal of Cellular Physiology</i> , <b>2001</b> , 188, 359-68	7	178
135	Angiotensin II type 1 receptor-induced extracellular signal-regulated protein kinase activation is mediated by Ca <sup>2+</sup> /calmodulin-dependent transactivation of epidermal growth factor receptor. <i>Circulation Research</i> , <b>1998</b> , 82, 1338-48	15.7	172
134	KRN951, a highly potent inhibitor of vascular endothelial growth factor receptor tyrosine kinases, has antitumor activities and affects functional vascular properties. <i>Cancer Research</i> , <b>2006</b> , 66, 9134-42	10.1	158
133	Signaling of vascular endothelial growth factor receptor-1 tyrosine kinase promotes rheumatoid arthritis through activation of monocytes/macrophages. <i>Blood</i> , <b>2006</b> , 108, 1849-56	2.2	142
132	Flt-1 signaling in macrophages promotes glioma growth in vivo. <i>Cancer Research</i> , <b>2008</b> , 68, 7342-51	10.1	139
131	PlGF blockade does not inhibit angiogenesis during primary tumor growth. <i>Cell</i> , <b>2010</b> , 141, 166-77	56.2	137
130	Distinct vascular endothelial growth factor signals for lymphatic vessel enlargement and sprouting. <i>Journal of Experimental Medicine</i> , <b>2007</b> , 204, 1431-40	16.6	137
129	Vascular endothelial growth factor is necessary in the development of arteriosclerosis by recruiting/activating monocytes in a rat model of long-term inhibition of nitric oxide synthesis. <i>Circulation</i> , <b>2002</b> , 105, 1110-5	16.7	129
128	Identification and characterization of VEGF-A-responsive neutrophils expressing CD49d, VEGFR1, and CXCR4 in mice and humans. <i>Blood</i> , <b>2015</b> , 126, 2016-26	2.2	126
127	The lysine 831 of vascular endothelial growth factor receptor 1 is a novel target of methylation by SMYD3. <i>Cancer Research</i> , <b>2007</b> , 67, 10759-65	10.1	125
126	Mapping of the sites involved in ligand association and dissociation at the extracellular domain of the kinase insert domain-containing receptor for vascular endothelial growth factor. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 31283-8	5.4	123
125	A deletion mutation within the ligand binding domain is responsible for activation of epidermal growth factor receptor gene in human brain tumors. <i>Japanese Journal of Cancer Research</i> , <b>1990</b> , 81, 773-9		120
124	A cAMP response element and an Ets motif are involved in the transcriptional regulation of flt-1 tyrosine kinase (vascular endothelial growth factor receptor 1) gene. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 30823-8	5.4	118

123	Blockade of vascular endothelial growth factor suppresses experimental restenosis after intraluminal injury by inhibiting recruitment of monocyte lineage cells. <i>Circulation</i> , <b>2004</b> , 110, 2444-52	16.7	117
122	Soluble FLT1 binds lipid microdomains in podocytes to control cell morphology and glomerular barrier function. <i>Cell</i> , <b>2012</b> , 151, 384-99	56.2	115
121	VEGF-VEGFR Signals in Health and Disease. <i>Biomolecules and Therapeutics</i> , <b>2014</b> , 22, 1-9	4.2	113
120	A hypoxia-driven vascular endothelial growth factor/Flt1 autocrine loop interacts with hypoxia-inducible factor-1alpha through mitogen-activated protein kinase/extracellular signal-regulated kinase 1/2 pathway in neuroblastoma. <i>Cancer Research</i> , <b>2005</b> , 65, 7267-75	10.1	111
119	VEGFR1 tyrosine kinase signaling promotes lymphangiogenesis as well as angiogenesis indirectly via macrophage recruitment. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2008</b> , 28, 658-64	9.4	110
118	The phosphorylated 1169-tyrosine containing region of flt-1 kinase (VEGFR-1) is a major binding site for PLCgamma. <i>Biochemical and Biophysical Research Communications</i> , <b>1997</b> , 238, 487-91	3.4	107
117	Vascular endothelial growth factor receptor-2: its unique signaling and specific ligand, VEGF-E. <i>Cancer Science</i> , <b>2003</b> , 94, 751-6	6.9	105
116	Novel role for vascular endothelial growth factor (VEGF) receptor-1 and its ligand VEGF-B in motor neuron degeneration. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 10451-9	6.6	104
115	Vascular endothelial growth factor (VEGF)-Receptor2: its biological functions, major signaling pathway, and specific ligand VEGF-E. <i>Endothelium: Journal of Endothelial Cell Research</i> , <b>2006</b> , 13, 63-9		104
114	Mammary carcinoma cells over-expressing tissue inhibitor of metalloproteinases-1 show enhanced vascular endothelial growth factor expression. <i>International Journal of Cancer</i> , <b>1998</b> , 75, 81-7	7.5	97
113	VEGF receptor 1 signaling is essential for osteoclast development and bone marrow formation in colony-stimulating factor 1-deficient mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 14016-21	11.5	97
112	Properties of two VEGF receptors, Flt-1 and KDR, in signal transduction. <i>Annals of the New York Academy of Sciences</i> , <b>2000</b> , 902, 201-5; discussion 205-7	6.5	90
111	Germ-line and somatic mutations of the APC gene in patients with Turcot syndrome and analysis of APC mutations in brain tumors. <i>Genes Chromosomes and Cancer</i> , <b>1994</b> , 9, 168-72	5	88
110	RACK1 regulates VEGF/Flt1-mediated cell migration via activation of a PI3K/Akt pathway. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 9097-106	5.4	85
109	Rationale for antiangiogenic cancer therapy with vaccination using epitope peptides derived from human vascular endothelial growth factor receptor 2. <i>Cancer Research</i> , <b>2005</b> , 65, 4939-46	10.1	83
108	PLGF/VEGFR-1 Signaling Promotes Macrophage Polarization and Accelerated Tumor Progression in Obesity. <i>Clinical Cancer Research</i> , <b>2016</b> , 22, 2993-3004	12.9	81
107	Sustained inflammation after pericyte depletion induces irreversible blood-retina barrier breakdown. <i>JCI Insight</i> , <b>2017</b> , 2, e90905	9.9	81
106	Vascular endothelial growth factor receptor-1 signaling promotes mobilization of macrophage lineage cells from bone marrow and stimulates solid tumor growth. <i>Cancer Research</i> , <b>2010</b> , 70, 8211-21	10.1	78

105	VEGFR-2-specific ligand VEGF-E induces non-edematous hyper-vascularization in mice. <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 301, 371-7	3.4	78
104	Genomic organization of the flt-1 gene encoding for vascular endothelial growth factor (VEGF) receptor-1 suggests an intimate evolutionary relationship between the 7-Ig and the 5-Ig tyrosine kinase receptors. <i>Gene</i> , <b>1998</b> , 208, 297-305	3.8	76
103	A novel snake venom vascular endothelial growth factor (VEGF) predominantly induces vascular permeability through preferential signaling via VEGF receptor-1. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 46304-14	5.4	76
102	Essential role of vascular endothelial growth factor and Flt-1 signals in neointimal formation after periadventitial injury. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2004</b> , 24, 2284-9	9.4	75
101	Inhibition of histone demethylase JMJD1A improves anti-angiogenic therapy and reduces tumor-associated macrophages. <i>Cancer Research</i> , <b>2013</b> , 73, 3019-28	10.1	71
100	VEGFR and type-V RTK activation and signaling. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2013</b> , 5, a009092	10.2	67
99	A variant of nuclear localization signal of bipartite-type is required for the nuclear translocation of hypoxia inducible factors (1alpha, 2alpha and 3alpha). <i>Oncogene</i> , <b>2001</b> , 20, 1435-44	9.2	65
98	Membrane fixation of vascular endothelial growth factor receptor 1 ligand-binding domain is important for vasculogenesis and angiogenesis in mice. <i>Molecular and Cellular Biology</i> , <b>2005</b> , 25, 346-54	4.8	64
97	Brain angiogenesis in developmental and pathological processes: therapeutic aspects of vascular endothelial growth factor. <i>FEBS Journal</i> , <b>2009</b> , 276, 4636-43	5.7	63
96	VEGF-VEGFR System as a Target for Suppressing Inflammation and other Diseases. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , <b>2015</b> , 15, 135-44	2.2	63
95	Vascular endothelial growth factor A (VEGF-A) is involved in guidance of VEGF receptor-positive cells to the anterior portion of early embryos. <i>Molecular and Cellular Biology</i> , <b>2005</b> , 25, 355-63	4.8	62
94	Induction of tube formation by angiopoietin-1 in endothelial cell/fibroblast co-culture is dependent on endogenous VEGF. <i>Cancer Science</i> , <b>2003</b> , 94, 782-90	6.9	60
93	Photoreceptor avascular privilege is shielded by soluble VEGF receptor-1. <i>ELife</i> , <b>2013</b> , 2, e00324	8.9	57
92	Grb-2-associated binder 1 (Gab1) regulates postnatal ischemic and VEGF-induced angiogenesis through the protein kinase A-endothelial NOS pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 2957-62	11.5	55
91	Characterization of the extracellular domain in vascular endothelial growth factor receptor-1 (Flt-1 tyrosine kinase). <i>Japanese Journal of Cancer Research</i> , <b>1997</b> , 88, 867-76		54
90	Nox1 regulates apoptosis and potentially stimulates branching morphogenesis in sinusoidal endothelial cells. <i>Experimental Cell Research</i> , <b>2004</b> , 300, 455-62	4.2	54
89	Increased expression of histone demethylase JHDM1D under nutrient starvation suppresses tumor growth via down-regulating angiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 20725-9	11.5	53
88	A subset of cerebrovascular pericytes originates from mature macrophages in the very early phase of vascular development in CNS. <i>Scientific Reports</i> , <b>2017</b> , 7, 3855	4.9	52

87	Bone morphogenetic protein 4 mediates apoptosis of capillary endothelial cells during rat pupillary membrane regression. <i>Molecular and Cellular Biology</i> , <b>2003</b> , 23, 4627-36	4.8	51
86	Soluble FLT-1 expression suppresses carcinomatous ascites in nude mice bearing ovarian cancer. <i>Cancer Research</i> , <b>2002</b> , 62, 2019-23	10.1	51
85	Soluble Flt-1 (soluble VEGFR-1), a potent natural antiangiogenic molecule in mammals, is phylogenetically conserved in avians. <i>Biochemical and Biophysical Research Communications</i> , <b>2002</b> , 291, 554-9	3.4	48
84	Vascular endothelial growth factor (VEGF) receptor-2 tyrosine 1175 signaling controls VEGF-induced von Willebrand factor release from endothelial cells via phospholipase C-gamma 1- and protein kinase A-dependent pathways. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 23217-24	5.4	46
83	Flt-1, a receptor for vascular endothelial growth factor, has transforming and morphogenic potentials. <i>Oncogene</i> , <b>1998</b> , 16, 2585-95	9.2	46
82	Novel antiangiogenic pathway of thrombospondin-1 mediated by suppression of the cell cycle. <i>Cancer Science</i> , <b>2007</b> , 98, 1491-7	6.9	46
81	Vascular endothelial growth factor receptor-1 regulates postnatal angiogenesis through inhibition of the excessive activation of Akt. <i>Circulation Research</i> , <b>2008</b> , 103, 261-8	15.7	44
80	Vascular endothelial growth factor receptor-1 signaling promotes liver repair through restoration of liver microvasculature after acetaminophen hepatotoxicity. <i>Toxicological Sciences</i> , <b>2011</b> , 120, 218-29	4.4	42
79	Tumor necrosis factor and vascular endothelial growth factor induce endothelial integrin repertoires, regulating endovascular differentiation and apoptosis in a human extravillous trophoblast cell line. <i>Biology of Reproduction</i> , <b>2005</b> , 73, 172-9	3.9	41
78	Involvement of Flt-1 (VEGF receptor-1) in cancer and preeclampsia. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , <b>2011</b> , 87, 167-78	4	40
77	The effects of VEGF-R1 and VEGF-R2 ligands on angiogenic responses and left ventricular function in mice. <i>Cardiovascular Research</i> , <b>2010</b> , 86, 122-30	9.9	40
76	Neuronal FLT1 receptor and its selective ligand VEGF-B protect against retrograde degeneration of sensory neurons. <i>FASEB Journal</i> , <b>2011</b> , 25, 1461-73	0.9	40
75	Vascular Endothelial Growth Factor Receptor Type1 Signaling Prevents Delayed Wound Healing in Diabetes by Attenuating the Production of IL-1by Recruited Macrophages. <i>American Journal of Pathology</i> , <b>2016</b> , 186, 1481-98	5.8	40
74	A set of loop-1 and -3 structures in the novel vascular endothelial growth factor (VEGF) family member, VEGF-ENZ-7, is essential for the activation of VEGFR-2 signaling. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 13453-61	5.4	39
73	Chimeric VEGF-E(NZ7)/PlGF promotes angiogenesis via VEGFR-2 without significant enhancement of vascular permeability and inflammation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2006</b> , 26, 2019-26	9.4	38
72	Structural abnormality and over-expression of the myc gene in feline leukemias. <i>International Journal of Cancer</i> , <b>1987</b> , 40, 564-9	7.5	37
71	Chimeric VEGF-ENZ7/PlGF specifically binding to VEGFR-2 accelerates skin wound healing via enhancement of neovascularization. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2007</b> , 27, 503-11	9.4	35
70	Involvement of VEGF and its receptors in ascites tumor formation. <i>Cancer Chemotherapy and Pharmacology</i> , <b>1999</b> , 43 Suppl, S72-7	3.5	34



69	Construction and characterization of the two hybrid Co1E1 plasmids carrying Escherichia coli tufB gene. <i>FEBS Letters</i> , <b>1979</b> , 102, 207-10	3.8	34
68	Vascular endothelial growth factor receptor family genes: when did the three genes phylogenetically segregate?. <i>Biological Chemistry</i> , <b>2002</b> , 383, 1573-9	4.5	32
67	Transcription of the E. coli tufB gene: cotranscription with four tRNA genes and inhibition by guanosine-5Rdiphosphate-3Rdiphosphate. <i>Molecular Genetics and Genomics</i> , <b>1981</b> , 183, 13-9		31
66	Tyrosine Kinase Receptor Flt/VEGFR Family: Its Characterization Related to Angiogenesis and Cancer. <i>Genes and Cancer</i> , <b>2010</b> , 1, 1119-23	2.9	29
65	Ligand-independent activation of vascular endothelial growth factor receptor 1 by low-density lipoprotein. <i>EMBO Reports</i> , <b>2007</b> , 8, 1155-61	6.5	29
64	VEGFR1-positive macrophages facilitate liver repair and sinusoidal reconstruction after hepatic ischemia/reperfusion injury. <i>PLoS ONE</i> , <b>2014</b> , 9, e105533	3.7	28
63	Virally activated Ras cooperates with integrin to induce tubulogenesis in sinusoidal endothelial cell lines. <i>Journal of Cellular Physiology</i> , <b>1998</b> , 176, 223-34	7	28
62	VEGF receptor signal transduction. <i>Methods in Enzymology</i> , <b>2008</b> , 443, 261-84	1.7	28
61	Inhibition of choroidal neovascularization by blocking vascular endothelial growth factor receptor tyrosine kinase. <i>Japanese Journal of Ophthalmology</i> , <b>2008</b> , 52, 91-98	2.6	28
60	Hypoxia and low-nutrition double stress induces aggressiveness in a murine model of melanoma. <i>Cancer Science</i> , <b>2009</b> , 100, 844-51	6.9	27
59	VEGF protects against oxidized LDL toxicity to endothelial cells by an intracellular glutathione-dependent mechanism through the KDR receptor. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2001</b> , 21, 765-70	9.4	27
58	Clotrimazole, an imidazole antimycotic, is a potent inhibitor of angiogenesis. <i>Japanese Journal of Cancer Research</i> , <b>1998</b> , 89, 445-51		25
57	Involvement of MAP kinase-independent protein kinase C signaling pathway in the EGF-induced p21(WAF1/Cip1) expression and growth inhibition of A431 cells. <i>Biochemical and Biophysical Research Communications</i> , <b>1998</b> , 250, 430-5	3.4	25
56	Adventitial gene transfer of VEGFR-2 specific VEGF-E chimera induces MCP-1 expression in vascular smooth muscle cells and enhances neointimal formation. <i>Atherosclerosis</i> , <b>2011</b> , 219, 84-91	3.1	24
55	Downregulation of receptor for activated C-kinase 1 (RACK1) suppresses tumor growth by inhibiting tumor cell proliferation and tumor-associated angiogenesis. <i>Cancer Science</i> , <b>2011</b> , 102, 2007-13	6.9	23
54	The Role of Vascular Endothelial Growth Factor Receptor-1 Signaling in the Recovery from Ischemia. <i>PLoS ONE</i> , <b>2015</b> , 10, e0131445	3.7	23
53	Therapeutic angiogenesis using novel vascular endothelial growth factor-E/human placental growth factor chimera genes. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2007</b> , 27, 99-105	9.4	22
52	The mechanisms of hepatic sinusoidal endothelial cell regeneration: A possible communication system associated with vascular endothelial growth factor in liver cells. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , <b>1998</b> , 13, S1-S5	4	21

51	HIF-2 $\alpha$ but not HIF-1 $\alpha$ mediates hypoxia-induced up-regulation of Flt-1 gene expression in placental trophoblasts. <i>Scientific Reports</i> , <b>2018</b> , 8, 17375	4.9	21
50	Characterization of the promoter region for flt-1 tyrosine kinase gene, a receptor for vascular endothelial growth factor. <i>Growth Factors</i> , <b>1996</b> , 13, 151-62	1.6	20
49	VEGF Receptor 1-Expressing Macrophages Recruited from Bone Marrow Enhances Angiogenesis in Endometrial Tissues. <i>Scientific Reports</i> , <b>2019</b> , 9, 7037	4.9	19
48	Undetectable bcr-abl rearrangements in some CML patients are due to a deletion mutation in the bcr gene. <i>American Journal of Hematology</i> , <b>1988</b> , 28, 33-6	7.1	19
47	Leukotriene B4 type-1 receptor signaling promotes liver repair after hepatic ischemia/reperfusion injury through the enhancement of macrophage recruitment. <i>FASEB Journal</i> , <b>2013</b> , 27, 3132-43	0.9	18
46	Deletion of the ABL SH3 domain reactivates de-oligomerized BCR-ABL for growth factor independence. <i>FEBS Letters</i> , <b>1996</b> , 379, 244-6	3.8	18
45	Thromboxane A2 induces blood flow recovery via platelet adhesion to ischaemic regions. <i>Cardiovascular Research</i> , <b>2015</b> , 107, 509-21	9.9	15
44	The Novel Pathogenesis of Retinopathy Mediated by Multiple RTK Signals is Uncovered in Newly Developed Mouse Model. <i>EBioMedicine</i> , <b>2018</b> , 31, 190-201	8.8	15
43	In situ localization of male germ cell-associated kinase (mak) mRNA in adult mouse testis: specific expression in germ cells at stages around meiotic cell division. <i>Cell Biochemistry and Function</i> , <b>1992</b> , 10, 273-9	4.2	15
42	Myc-dependent endothelial proliferation is controlled by phosphotyrosine 1212 in VEGF receptor-2. <i>EMBO Reports</i> , <b>2019</b> , 20, e47845	6.5	14
41	The overexpression of PKCdelta is involved in vascular endothelial growth factor-resistant apoptosis in cultured primary sinusoidal endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2001</b> , 280, 415-20	3.4	14
40	Inhibition of epidermal growth factor receptor functions by tyrosine kinase inhibitors in NIH3T3 cells. <i>FEBS Letters</i> , <b>1992</b> , 314, 289-92	3.8	13
39	Phosphoethanolamine Accumulation Protects Cancer Cells under Glutamine Starvation through Downregulation of PCYT2. <i>Cell Reports</i> , <b>2019</b> , 29, 89-103.e7	10.6	12
38	The guanine nucleotide exchange factor Vav3 regulates differentiation of progenitor cells in the developing mouse retina. <i>Cell and Tissue Research</i> , <b>2015</b> , 359, 423-440	4.2	12
37	Growth inhibition of AML cells with specific chromosome abnormalities by monoclonal antibodies to receptors for vascular endothelial growth factor. <i>Leukemia Research</i> , <b>2009</b> , 33, 1650-7	2.7	12
36	Dynamic regulation of gene expression by the Flt-1 kinase and Matrigel in endothelial tubulogenesis. <i>Genomics</i> , <b>2004</b> , 84, 185-92	4.3	12
35	Lymphangiogenesis induced by vascular endothelial growth factor receptor 1 signaling contributes to the progression of endometriosis in mice. <i>Journal of Pharmacological Sciences</i> , <b>2020</b> , 143, 255-263	3.7	11
34	Tumorigenicity depends on angiogenic potential of tumor cells: dominant role of vascular endothelial growth factor and/or fibroblast growth factors produced by tumor cells. <i>Angiogenesis</i> , <b>1998</b> , 2, 57-66	10.6	10



33	Co-amplification of c-myc and c-erbB-2 oncogenes in a poorly differentiated human gastric cancer. <i>Japanese Journal of Cancer Research</i> , <b>1989</b> , 80, 920-3		10
32	Vascular endothelial growth factor receptor-1 (VEGFR-1) signaling enhances angiogenesis in a surgical sponge model. <i>Biomedicine and Pharmacotherapy</i> , <b>2016</b> , 78, 140-149	7.5	9
31	The role of vascular endothelial growth factor receptor 1 tyrosine kinase signaling in bleomycin-induced pulmonary fibrosis. <i>Biomedicine and Pharmacotherapy</i> , <b>2019</b> , 117, 109067	7.5	8
30	Vascular endothelial growth factor receptor 1 tyrosine kinase signaling facilitates healing of DSS-induced colitis by accumulation of Tregs in ulcer area. <i>Biomedicine and Pharmacotherapy</i> , <b>2019</b> , 111, 131-141	7.5	8
29	The RNA aptamer inhibiting human vesicular endothelial growth factor receptor 1 without affecting cytokine binding. <i>Biochemistry</i> , <b>2013</b> , 52, 2274-9	3.2	7
28	Vascular endothelial growth factor receptor 1 (VEGFR1) tyrosine kinase signaling facilitates granulation tissue formation with recruitment of VEGFR1 cells from bone marrow. <i>Anatomical Science International</i> , <b>2018</b> , 93, 372-383	2	6
27	Unique signal transduction of the VEGF family members VEGF-A and VEGF-E. <i>Biochemical Society Transactions</i> , <b>2009</b> , 37, 1161-6	5.1	6
26	Absence of VEGFR-1/Flt-1 signaling pathway in mice results in insensitivity to discogenic low back pain in an established disc injury mouse model. <i>Journal of Cellular Physiology</i> , <b>2020</b> , 235, 5305-5317	7	5
25	Production of an anti-angiogenic factor sFLT1 is suppressed via promoter hypermethylation of FLT1 gene in choriocarcinoma cells. <i>BMC Cancer</i> , <b>2020</b> , 20, 112	4.8	4
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