

Gera Neufeld

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76
papers

13,946
citations

47
h-index

78
g-index

78
ext. papers

14,797
ext. citations

7.8
avg, IF

5.97
L-index

#	Paper	IF	Citations
76	Vascular endothelial growth factor (VEGF) and its receptors. <i>FASEB Journal</i> , 1999 , 13, 9-22	0.9	2817
75	Neuropilin-1 is expressed by endothelial and tumor cells as an isoform-specific receptor for vascular endothelial growth factor. <i>Cell</i> , 1998 , 92, 735-45	56.2	2045
74	Vascular endothelial growth factor (VEGF) and its receptors. <i>FASEB Journal</i> , 1999 , 13, 9-22	0.9	823
73	Interleukin 6 induces the expression of vascular endothelial growth factor. <i>Journal of Biological Chemistry</i> , 1996 , 271, 736-41	5.4	776
72	Capillary endothelial cells express basic fibroblast growth factor, a mitogen that promotes their own growth. <i>Nature</i> , 1987 , 325, 257-9	50.4	678
71	Allosteric inhibition of lysyl oxidase-like-2 impedes the development of a pathologic microenvironment. <i>Nature Medicine</i> , 2010 , 16, 1009-17	50.5	635
70	VEGF145, a secreted vascular endothelial growth factor isoform that binds to extracellular matrix. <i>Journal of Biological Chemistry</i> , 1997 , 272, 7151-8	5.4	363
69	The semaphorins: versatile regulators of tumour progression and tumour angiogenesis. <i>Nature Reviews Cancer</i> , 2008 , 8, 632-45	31.3	320
68	Neuropilin-2 is a receptor for the vascular endothelial growth factor (VEGF) forms VEGF-145 and VEGF-165 [corrected]. <i>Journal of Biological Chemistry</i> , 2000 , 275, 18040-5	5.4	308
67	The neuropilins: multifunctional semaphorin and VEGF receptors that modulate axon guidance and angiogenesis. <i>Trends in Cardiovascular Medicine</i> , 2002 , 12, 13-9	6.9	263
66	Characterization of novel vascular endothelial growth factor (VEGF) receptors on tumor cells that bind VEGF165 via its exon 7-encoded domain. <i>Journal of Biological Chemistry</i> , 1996 , 271, 5761-7	5.4	262
65	Neuropilin-1 is a placenta growth factor-2 receptor. <i>Journal of Biological Chemistry</i> , 1998 , 273, 22272-8	5.4	253
64	Functional interaction of VEGF-C and VEGF-D with neuropilin receptors. <i>FASEB Journal</i> , 2006 , 20, 1462-70	0.9	237
63	Neuropilin-2 interacts with VEGFR-2 and VEGFR-3 and promotes human endothelial cell survival and migration. <i>Blood</i> , 2006 , 108, 1243-50	2.2	217
62	Differential expression of neuropilin-1 and neuropilin-2 in arteries and veins. <i>Mechanisms of Development</i> , 2001 , 109, 115-9	1.7	213
61	Semaphorin-3F is an inhibitor of tumor angiogenesis. <i>Cancer Research</i> , 2004 , 64, 1008-15	10.1	195
60	VEGF121, a vascular endothelial growth factor (VEGF) isoform lacking heparin binding ability, requires cell-surface heparan sulfates for efficient binding to the VEGF receptors of human melanoma cells. <i>Journal of Biological Chemistry</i> , 1995 , 270, 11322-6	5.4	187

59	Semaphorin-3A and semaphorin-3F work together to repel endothelial cells and to inhibit their survival by induction of apoptosis. <i>Journal of Biological Chemistry</i> , 2007 , 282, 26294-305	5.4	168
58	Platelet factor-4 inhibits the mitogenic activity of VEGF121 and VEGF165 using several concurrent mechanisms. <i>Journal of Biological Chemistry</i> , 1995 , 270, 15059-65	5.4	166
57	Selective binding of VEGF121 to one of the three vascular endothelial growth factor receptors of vascular endothelial cells. <i>Journal of Biological Chemistry</i> , 1996 , 271, 5519-23	5.4	157
56	Abnormal deposition of collagen around hepatocytes in Wilson's disease is associated with hepatocyte specific expression of lysyl oxidase and lysyl oxidase like protein-2. <i>Journal of Hepatology</i> , 2005 , 43, 499-507	13.4	142
55	Lysyl oxidase-related protein-1 promotes tumor fibrosis and tumor progression in vivo. <i>Cancer Research</i> , 2003 , 63, 1657-66	10.1	133
54	Similarities and differences between the vascular endothelial growth factor (VEGF) splice variants. <i>Cancer and Metastasis Reviews</i> , 1996 , 15, 153-8	9.6	132
53	The neuropilins and their role in tumorigenesis and tumor progression. <i>Cancer Letters</i> , 2006 , 231, 1-11	9.9	129
52	The interaction of Neuropilin-1 and Neuropilin-2 with tyrosine-kinase receptors for VEGF. <i>Advances in Experimental Medicine and Biology</i> , 2002 , 515, 81-90	3.6	127
51	Neuropilin-1-VEGFR-2 complexing requires the PDZ-binding domain of neuropilin-1. <i>Journal of Biological Chemistry</i> , 2008 , 283, 25110-25114	5.4	105
50	Vascular endothelial growth factor receptor-1 and neuropilin-2 form complexes. <i>Journal of Biological Chemistry</i> , 2001 , 276, 18688-94	5.4	102
49	Successful inhibition of tumor development by specific class-3 semaphorins is associated with expression of appropriate semaphorin receptors by tumor cells. <i>PLoS ONE</i> , 2008 , 3, e3287	3.7	100
48	Semaphorin-3B is an angiogenesis inhibitor that is inactivated by furin-like pro-protein convertases. <i>Cancer Research</i> , 2008 , 68, 6922-31	10.1	99
47	Oncogenic transformation induces tumor angiogenesis: a role for PAR1 activation. <i>FASEB Journal</i> , 2003 , 17, 163-74	0.9	99
46	Plexin-A4 promotes tumor progression and tumor angiogenesis by enhancement of VEGF and bFGF signaling. <i>Blood</i> , 2011 , 118, 4285-96	2.2	90
45	Semaphorins in cancer. <i>Frontiers in Bioscience - Landmark</i> , 2005 , 10, 751-60	2.8	87
44	Basic fibroblast growth factor accumulates in the nuclei of various bFGF-producing cell types. <i>Journal of Cellular Physiology</i> , 1990 , 145, 310-7	7	84
43	Aberrant expression of neuropilin-1 and -2 in human pancreatic cancer cells. <i>Clinical Cancer Research</i> , 2004 , 10, 581-90	12.9	82
42	Semaphorins in angiogenesis and tumor progression. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2012 , 2, a006718	5.4	81

41	Neuropilin-1-dependent regulation of EGF-receptor signaling. <i>Cancer Research</i> , 2012 , 72, 5801-11	10.1	76
40	Pro-angiogenic cytokines and their role in tumor angiogenesis. <i>Cancer and Metastasis Reviews</i> , 2006 , 25, 373-85	9.6	71
39	Tumour growth inhibition and anti-metastatic activity of a mutated furin-resistant Semaphorin 3E isoform. <i>EMBO Molecular Medicine</i> , 2012 , 4, 234-50	12	70
38	Identification of the fibroblast growth factor receptor in human vascular endothelial cells. <i>Journal of Cellular Physiology</i> , 1988 , 136, 537-42	7	64
37	Neuropilin-1 and neuropilin-2 enhance VEGF121 stimulated signal transduction by the VEGFR-2 receptor. <i>FASEB Journal</i> , 2007 , 21, 915-26	0.9	61
36	The role of the semaphorins in cancer. <i>Cell Adhesion and Migration</i> , 2016 , 10, 652-674	3.2	59
35	Full-Length Semaphorin-3C Is an Inhibitor of Tumor Lymphangiogenesis and Metastasis. <i>Cancer Research</i> , 2015 , 75, 2177-86	10.1	56
34	Segregation of arterial and venous markers in subpopulations of blood islands before vessel formation. <i>Developmental Dynamics</i> , 2005 , 232, 1047-55	2.9	51
33	Lysyl oxidase-like-2 promotes tumour angiogenesis and is a potential therapeutic target in angiogenic tumours. <i>Carcinogenesis</i> , 2013 , 34, 2370-9	4.6	50
32	High levels of biologically active vascular endothelial growth factor (VEGF) are produced by the baculovirus expression system. <i>Growth Factors</i> , 1992 , 7, 131-8	1.6	49
31	Semaphorin-3D and semaphorin-3E inhibit the development of tumors from glioblastoma cells implanted in the cortex of the brain. <i>PLoS ONE</i> , 2012 , 7, e42912	3.7	49
30	A novel asymmetric 3D in-vitro assay for the study of tumor cell invasion. <i>BMC Cancer</i> , 2009 , 9, 415	4.8	47
29	Integration of repulsive guidance cues generates avascular zones that shape mammalian blood vessels. <i>Circulation Research</i> , 2012 , 110, 34-46	15.7	47
28	The VEGF splice variants: properties, receptors, and usage for the treatment of ischemic diseases. <i>Herz</i> , 2000 , 25, 126-9	2.6	43
27	Release of cell surface-associated basic fibroblast growth factor by glycosylphosphatidylinositol-specific phospholipase C. <i>Journal of Cellular Physiology</i> , 1992 , 151, 126-37	7	43
26	VEGF162, a new heparin-binding vascular endothelial growth factor splice form that is expressed in transformed human cells. <i>Journal of Biological Chemistry</i> , 2003 , 278, 17164-9	5.4	42
25	The semaphorins and their receptors as modulators of tumor progression. <i>Drug Resistance Updates</i> , 2016 , 29, 1-12	23.2	40
24	Semaphorin signaling in vascular and tumor biology. <i>Advances in Experimental Medicine and Biology</i> , 2007 , 600, 118-31	3.6	38

23	Dormant tumor cells expressing LOXL2 acquire a stem-like phenotype mediating their transition to proliferative growth. <i>Oncotarget</i> , 2016 , 7, 71362-71377	3.3	33
22	Class-3 Semaphorins and Their Receptors: Potent Multifunctional Modulators of Tumor Progression. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	31
21	Receptor activity modifying protein-3 mediates the protumorigenic activity of lysyl oxidase-like protein-2. <i>FASEB Journal</i> , 2011 , 25, 55-65	0.9	31
20	Localized LoxL3-Dependent Fibronectin Oxidation Regulates Myofiber Stretch and Integrin-Mediated Adhesion. <i>Developmental Cell</i> , 2016 , 36, 550-61	10.2	30
19	The role of the plexin-A2 receptor in Sema3A and Sema3B signal transduction. <i>Journal of Cell Science</i> , 2014 , 127, 5240-52	5.3	26
18	Heparanase 2 Attenuates Head and Neck Tumor Vascularity and Growth. <i>Cancer Research</i> , 2016 , 76, 2791-801	18.0	23
17	The Contribution of Proangiogenic Factors to the Progression of Malignant Disease: Role of Vascular Endothelial Growth Factor and Its Receptors. <i>Surgical Oncology Clinics of North America</i> , 2001 , 10, 339-356	2.7	20
16	A three-gene signature from protein-protein interaction network of LOXL2- and actin-related proteins for esophageal squamous cell carcinoma prognosis. <i>Cancer Medicine</i> , 2017 , 6, 1707-1719	4.8	19
15	LOXL2 Upregulates Phosphorylation of Ezrin to Promote Cytoskeletal Reorganization and Tumor Cell Invasion. <i>Cancer Research</i> , 2019 , 79, 4951-4964	10.1	17
14	Electron spin resonance microscopic imaging of oxygen concentration in cancer spheroids. <i>Journal of Magnetic Resonance</i> , 2015 , 256, 77-85	3	17
13	Semaphorin 3A Is Effective in Reducing Both Inflammation and Angiogenesis in a Mouse Model of Bronchial Asthma. <i>Frontiers in Immunology</i> , 2019 , 10, 550	8.4	12
12	Semaphorin-3A inhibits multiple myeloma progression in a mouse model. <i>Carcinogenesis</i> , 2018 , 39, 1283-1291	12.9	12
11	Activation of a transfected FGFR-1 receptor in Madin-Darby epithelial cells results in a reversible loss of epithelial properties. <i>Journal of Cellular Physiology</i> , 1995 , 162, 266-76	7	10
10	Complexes of plexin-A4 and plexin-D1 convey semaphorin-3C signals to induce cytoskeletal collapse in the absence of neuropilins. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	8
9	Semaphorin3A: A Potential Therapeutic Tool for Lupus Nephritis. <i>Frontiers in Immunology</i> , 2018 , 9, 634	8.4	8
8	A Sema3C Mutant Resistant to Cleavage by Furin (FR-Sema3C) Inhibits Choroidal Neovascularization. <i>PLoS ONE</i> , 2016 , 11, e0168122	3.7	6
7	A SEMA3E mutant resistant to cleavage by furins (UNCL-SEMA3E) inhibits choroidal neovascularization. <i>Experimental Eye Research</i> , 2016 , 153, 186-194	3.7	4
6	Heparanase 2 (Hpa2) attenuates tumor growth by inducing Sox2 expression. <i>Matrix Biology</i> , 2021 , 99, 58-71	11.4	3

5	An Asymmetric 3D In Vitro Assay for the Study of Tumor Cell Invasion. <i>Methods in Cell Biology</i> , 2012 , 112, 311-328	1.8	2
4	Regulation of Angiogenesis and Tumor Progression by Semaphorins 2015 , 107-135		1
3	Response to Binding of the C-terminal amino acids of VEGF121 directly with neuropilin-1 should be considered <i>FASEB Journal</i> , 2007 , 21, 1293-1293	0.9	1
2	Lysyl Oxidase Family Enzymes and Their Role in Tumor Progression. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 6249	6.3	0
1	The Role of the Neuropilins and Their Associated Plexin Receptors in Tumor Angiogenesis and Tumor Progression 2008 , 135-153		