

Gera Neufeld

List of Publications by Year in descending order

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76
papers

16,012
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36203

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74
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docs citations

78
times ranked

13399
citing authors

#	ARTICLE	IF	CITATIONS
1	Vascular endothelial growth factor (VEGF) and its receptors. <i>FASEB Journal</i> , 1999, 13, 9-22.	0.2	3,124
2	Neuropilin-1 Is Expressed by Endothelial and Tumor Cells as an Isoform-Specific Receptor for Vascular Endothelial Growth Factor. <i>Cell</i> , 1998, 92, 735-745.	13.5	2,254
3	Vascular endothelial growth factor (VEGF) and its receptors. <i>FASEB Journal</i> , 1999, 13, 9-22.	0.2	996
4	Interleukin 6 Induces the Expression of Vascular Endothelial Growth Factor. <i>Journal of Biological Chemistry</i> , 1996, 271, 736-741.	1.6	910
5	Allosteric inhibition of lysyl oxidase-like-2 impedes the development of a pathologic microenvironment. <i>Nature Medicine</i> , 2010, 16, 1009-1017.	15.2	755
6	Capillary endothelial cells express basic fibroblast growth factor, a mitogen that promotes their own growth. <i>Nature</i> , 1987, 325, 257-259.	13.7	742
7	VEGF145, a Secreted Vascular Endothelial Growth Factor Isoform That Binds to Extracellular Matrix. <i>Journal of Biological Chemistry</i> , 1997, 272, 7151-7158.	1.6	426
8	The semaphorins: versatile regulators of tumour progression and tumour angiogenesis. <i>Nature Reviews Cancer</i> , 2008, 8, 632-645.	12.8	360
9	Neuropilin-2 and Neuropilin-1 Are Receptors for the 165-Amino Acid Form of Vascular Endothelial Growth Factor (VEGF) and of Placenta Growth Factor-2, but Only Neuropilin-2 Functions as a Receptor for the 145-Amino Acid Form of VEGF. <i>Journal of Biological Chemistry</i> , 2000, 275, 18040-18045.	1.6	347
10	The Neuropilins Multifunctional Semaphorin and VEGF Receptors that Modulate Axon Guidance and Angiogenesis. <i>Trends in Cardiovascular Medicine</i> , 2002, 12, 13-19.	2.3	308
11	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, 5761-5767.	1.6	291
12	Neuropilin-1 Is a Placenta Growth Factor-2 Receptor. <i>Journal of Biological Chemistry</i> , 1998, 273, 22272-22278.	1.6	290
13	Functional interaction of VEGF β and VEGF δ with neuropilin receptors. <i>FASEB Journal</i> , 2006, 20, 1462-1472.	0.2	265
14	Neuropilin-2 interacts with VEGFR-2 and VEGFR-3 and promotes human endothelial cell survival and migration. <i>Blood</i> , 2006, 108, 1243-1250.	0.6	261
15	Differential expression of neuropilin-1 and neuropilin-2 in arteries and veins. <i>Mechanisms of Development</i> , 2001, 109, 115-119.	1.7	235
16	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, 11322-11326.	1.6	221
17	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, 26294-26305.	1.6	213
18	Semaphorin-3F Is an Inhibitor of Tumor Angiogenesis. <i>Cancer Research</i> , 2004, 64, 1008-1015.	0.4	205

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19	Platelet Factor-4 Inhibits the Mitogenic Activity of VEGF121 and VEGF165 Using Several Concurrent Mechanisms. <i>Journal of Biological Chemistry</i> , 1995, 270, 15059-15065.	1.6	186
20	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, 5519-5523.	1.6	174
21	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.	1.8	163
22	Lysyl oxidase-related protein-1 promotes tumor fibrosis and tumor progression in vivo. <i>Cancer Research</i> , 2003, 63, 1657-66.	0.4	154
23	Similarities and differences between the vascular endothelial growth factor (VEGF) splice variants. <i>Cancer and Metastasis Reviews</i> , 1996, 15, 153-158.	2.7	145
24	The neuropilins and their role in tumorigenesis and tumor progression. <i>Cancer Letters</i> , 2006, 231, 1-11.	3.2	145
25	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.	0.8	143
26	Vascular Endothelial Growth Factor Receptor-1 and Neuropilin-2 Form Complexes. <i>Journal of Biological Chemistry</i> , 2001, 276, 18688-18694.	1.6	118
27	Neuropilin-1-VEGFR-2 Complexing Requires the PDZ-binding Domain of Neuropilin-1. <i>Journal of Biological Chemistry</i> , 2008, 283, 25110-25114.	1.6	117
28	Semaphorin-3B Is an Angiogenesis Inhibitor That Is Inactivated by Furin-Like Pro-Protein Convertases. <i>Cancer Research</i> , 2008, 68, 6922-6931.	0.4	111
29	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.	1.1	110
30	Plexin-A4 promotes tumor progression and tumor angiogenesis by enhancement of VEGF and bFGF signaling. <i>Blood</i> , 2011, 118, 4285-4296.	0.6	108
31	Oncogenic transformation induces tumor angiogenesis: a role for PAR1 activation. <i>FASEB Journal</i> , 2003, 17, 163-174.	0.2	107
32	Basic fibroblast growth factor accumulates in the nuclei of various bFGF-producing cell types. <i>Journal of Cellular Physiology</i> , 1990, 145, 310-317.	2.0	96
33	Aberrant Expression of Neuropilin-1 and -2 in Human Pancreatic Cancer Cells. <i>Clinical Cancer Research</i> , 2004, 10, 581-590.	3.2	94
34	Semaphorins in cancer. <i>Frontiers in Bioscience - Landmark</i> , 2005, 10, 751.	3.0	92
35	Semaphorins in Angiogenesis and Tumor Progression. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2012, 2, a006718-a006718.	2.9	89
36	Neuropilin-1-Dependent Regulation of EGF-Receptor Signaling. <i>Cancer Research</i> , 2012, 72, 5801-5811.	0.4	84

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37	Tumour growth inhibition and anti-metastatic activity of a mutated furin-resistant Semaphorin 3E isoform. <i>EMBO Molecular Medicine</i> , 2012, 4, 234-250.	3.3	82
38	The role of the semaphorins in cancer. <i>Cell Adhesion and Migration</i> , 2016, 10, 652-674.	1.1	81
39	Pro-angiogenic cytokines and their role in tumor angiogenesis. <i>Cancer and Metastasis Reviews</i> , 2006, 25, 373-385.	2.7	80
40	Lysyl oxidase-like-2 promotes tumour angiogenesis and is a potential therapeutic target in angiogenic tumours. <i>Carcinogenesis</i> , 2013, 34, 2370-2379.	1.3	70
41	Full-Length Semaphorin-3C Is an Inhibitor of Tumor Lymphangiogenesis and Metastasis. <i>Cancer Research</i> , 2015, 75, 2177-2186.	0.4	70
42	Identification of the fibroblast growth factor receptor in human vascular endothelial cells. <i>Journal of Cellular Physiology</i> , 1988, 136, 537-542.	2.0	69
43	Neuropilin-1 and neuropilin-2 enhance VEGF 121 stimulated signal transduction by the VEGFR-2 receptor. <i>FASEB Journal</i> , 2007, 21, 915-926.	0.2	64
44	Class-3 Semaphorins and Their Receptors: Potent Multifunctional Modulators of Tumor Progression. <i>International Journal of Molecular Sciences</i> , 2019, 20, 556.	1.8	62
45	A novel asymmetric 3D in-vitro assay for the study of tumor cell invasion. <i>BMC Cancer</i> , 2009, 9, 415.	1.1	58
46	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.	1.1	58
47	Integration of Repulsive Guidance Cues Generates Avascular Zones That Shape Mammalian Blood Vessels. <i>Circulation Research</i> , 2012, 110, 34-46.	2.0	57
48	The VEGF Splice Variants: Properties, Receptors, and Usage for the Treatment of Ischemic Diseases. <i>Herz</i> , 2000, 25, 126-129.	0.4	56
49	Segregation of arterial and venous markers in subpopulations of blood islands before vessel formation. <i>Developmental Dynamics</i> , 2005, 232, 1047-1055.	0.8	56
50	The semaphorins and their receptors as modulators of tumor progression. <i>Drug Resistance Updates</i> , 2016, 29, 1-12.	6.5	56
51	High Levels of Biologically Active Vascular Endothelial Growth Factor (VEGF) are Produced by the Baculovirus Expression System. <i>Growth Factors</i> , 1992, 7, 131-138.	0.5	51
52	Dormant tumor cells expressing LOXL2 acquire a stem-like phenotype mediating their transition to proliferative growth. <i>Oncotarget</i> , 2016, 7, 71362-71377.	0.8	51
53	Release of cell surface-associated basic fibroblast growth factor by glycosylphosphatidylinositol-specific phospholipase C. <i>Journal of Cellular Physiology</i> , 1992, 151, 126-137.	2.0	50
54	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, 17164-17169.	1.6	50

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55	Localized LoxL3-Dependent Fibronectin Oxidation Regulates Myofiber Stretch and Integrin-Mediated Adhesion. <i>Developmental Cell</i> , 2016, 36, 550-561.	3.1	47
56	LOXL2 Upregulates Phosphorylation of Ezrin to Promote Cytoskeletal Reorganization and Tumor Cell Invasion. <i>Cancer Research</i> , 2019, 79, 4951-4964.	0.4	47
57	Semaphorin Signaling in Vascular and Tumor Biology. <i>Advances in Experimental Medicine and Biology</i> , 2007, 600, 118-131.	0.8	43
58	Receptor activity modifying protein β mediates the protumorigenic activity of lysyl oxidase α -like protein α . <i>FASEB Journal</i> , 2011, 25, 55-65.	0.2	38
59	The role of the plexin-A2 receptor in semaphorin-3A and semaphorin-3B signal transduction. <i>Journal of Cell Science</i> , 2014, 127, 5240-52.	1.2	32
60	Heparanase 2 Attenuates Head and Neck Tumor Vascularity and Growth. <i>Cancer Research</i> , 2016, 76, 2791-2801.	0.4	32
61	The Contribution of Proangiogenic Factors to the Progression of Malignant Disease. <i>Surgical Oncology Clinics of North America</i> , 2001, 10, 339-356.	0.6	28
62	A three α -gene signature from protein α -protein interaction network of <i>LOXL2</i> and actin α -related proteins for esophageal squamous cell carcinoma prognosis. <i>Cancer Medicine</i> , 2017, 6, 1707-1719.	1.3	28
63	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.	2.2	24
64	Electron spin resonance microscopic imaging of oxygen concentration in cancer spheroids. <i>Journal of Magnetic Resonance</i> , 2015, 256, 77-85.	1.2	23
65	Lysyl Oxidase Family Enzymes and Their Role in Tumor Progression. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6249.	1.8	18
66	plexin-A4/plexin-D1 complexes convey semaphorin-3C signals to induce cytoskeletal collapse in the absence of neuropilins. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	17
67	Semaphorin-3A inhibits multiple myeloma progression in a mouse model. <i>Carcinogenesis</i> , 2018, 39, 1283-1291.	1.3	16
68	Semaphorin3A: A Potential Therapeutic Tool for Lupus Nephritis. <i>Frontiers in Immunology</i> , 2018, 9, 634.	2.2	13
69	Heparanase 2 (Hpa2) attenuates tumor growth by inducing Sox2 expression. <i>Matrix Biology</i> , 2021, 99, 58-71.	1.5	12
70	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, 266-276.	2.0	11
71	A Sema3C Mutant Resistant to Cleavage by Furin (FR-Sema3C) Inhibits Choroidal Neovascularization. <i>PLoS ONE</i> , 2016, 11, e0168122.	1.1	9
72	A SEMA3E mutant resistant to cleavage by furins (UNCL-SEMA3E) inhibits choroidal neovascularization. <i>Experimental Eye Research</i> , 2016, 153, 186-194.	1.2	6

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73	An Asymmetric 3D In Vitro Assay for the Study of Tumor Cell Invasion. Methods in Cell Biology, 2012, 112, 311-328.	0.5	5
74	Response to "Binding of the C-terminal amino acids of VEGF 121 directly with neuropilin-1 should be considered". FASEB Journal, 2007, 21, 1293-1293.	0.2	1
75	Semaphorins, Plexins and Neuropilins and Their Role in Vasculogenesis and Angiogenesis. , 2007, , 1-25.		1
76	The Role of the Neuropilins and Their Associated Plexin Receptors in Tumor Angiogenesis and Tumor Progression. , 2008, , 135-153.		0