

Georg Breier

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6925694/georg-breier-publications-by-citations.pdf>
Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

100 papers	14,117 citations	48 h-index	109 g-index
109 ext. papers	14,903 ext. citations	7.1 avg, IF	5.62 L-index

#	Paper	IF	Citations
100	Abnormal blood vessel development and lethality in embryos lacking a single VEGF allele. <i>Nature</i> , 1996 , 380, 435-9	50.4	3429
99	Vascular endothelial growth factor is a potential tumour angiogenesis factor in human gliomas in vivo. <i>Nature</i> , 1992 , 359, 845-8	50.4	1991
98	The vascular endothelial growth factor receptor Flt-1 mediates biological activities. Implications for a functional role of placenta growth factor in monocyte activation and chemotaxis. <i>Journal of Biological Chemistry</i> , 1996 , 271, 17629-34	5.4	635
97	Role of tissue factor in embryonic blood vessel development. <i>Nature</i> , 1996 , 383, 73-5	50.4	588
96	Vascular endothelial growth factor induces endothelial fenestrations in vitro. <i>Journal of Cell Biology</i> , 1998 , 140, 947-59	7.3	521
95	Regulation of vascular endothelial growth factor expression in cultured keratinocytes. Implications for normal and impaired wound healing. <i>Journal of Biological Chemistry</i> , 1995 , 270, 12607-13	5.4	519
94	Hypoxia-induced transcriptional activation and increased mRNA stability of vascular endothelial growth factor in C6 glioma cells. <i>Journal of Biological Chemistry</i> , 1995 , 270, 19761-6	5.4	409
93	Vascular endothelial growth factor and glioma angiogenesis: coordinate induction of VEGF receptors, distribution of VEGF protein and possible in vivo regulatory mechanisms. <i>International Journal of Cancer</i> , 1994 , 59, 520-9	7.5	398
92	Angiopoietin-2 causes pericyte dropout in the normal retina: evidence for involvement in diabetic retinopathy. <i>Diabetes</i> , 2004 , 53, 1104-10	0.9	262
91	Coordinate expression of vascular endothelial growth factor receptor-1 (flt-1) and its ligand suggests a paracrine regulation of murine vascular development. <i>Developmental Dynamics</i> , 1995 , 204, 228-39	2.9	233
90	Vascular endothelial growth factor (VEGF) and VEGF receptor 2 (flk-1) are expressed during vasculogenesis and vascular differentiation in the quail embryo. <i>Developmental Biology</i> , 1995 , 169, 699-712	7.1	227
89	Cooperative interaction of hypoxia-inducible factor-2alpha (HIF-2alpha) and Ets-1 in the transcriptional activation of vascular endothelial growth factor receptor-2 (Flk-1). <i>Journal of Biological Chemistry</i> , 2003 , 278, 7520-30	5.4	209
88	Molecular mechanisms of developmental and tumor angiogenesis. <i>Brain Pathology</i> , 1994 , 4, 207-18	6	200
87	Identification of Vascular Endothelial Growth Factor (VEGF) Receptor-2 (Flk-1) Promoter/Enhancer Sequences Sufficient for Angioblast and Endothelial Cell-Specific Transcription in Transgenic Mice. <i>Blood</i> , 1999 , 93, 4284-4292	2.2	193
86	Spatial regulation of VEGF receptor endocytosis in angiogenesis. <i>Nature Cell Biology</i> , 2013 , 15, 249-60	23.4	190
85	Upregulation of the vascular endothelial growth factor/vascular endothelial growth factor receptor system in experimental background diabetic retinopathy of the rat. <i>Diabetes</i> , 1998 , 47, 401-6	0.9	188
84	VEGF gene transfer reduces intimal thickening via increased production of nitric oxide in carotid arteries. <i>Human Gene Therapy</i> , 1997 , 8, 1737-44	4.8	172

83	Hypoxia-mediated activation of Dll4-Notch-Hey2 signaling in endothelial progenitor cells and adoption of arterial cell fate. <i>Experimental Cell Research</i> , 2007 , 313, 1-9	4.2	172
82	De novo expression of vascular endothelial growth factor in human pancreatic cancer: evidence for an autocrine mitogenic loop. <i>Gastroenterology</i> , 2000 , 119, 1358-72	13.3	160
81	Microtumor growth initiates angiogenic sprouting with simultaneous expression of VEGF, VEGF receptor-2, and angiopoietin-2. <i>Journal of Clinical Investigation</i> , 2002 , 109, 777-785	15.9	157
80	Impaired brain angiogenesis and neuronal apoptosis induced by conditional homozygous inactivation of vascular endothelial growth factor. <i>Thrombosis and Haemostasis</i> , 2004 , 91, 595-605	7	152
79	p38 MAP kinase--a molecular switch between VEGF-induced angiogenesis and vascular hyperpermeability. <i>FASEB Journal</i> , 2003 , 17, 262-4	0.9	146
78	Role of SCL/Tal-1, GATA, and Ets transcription factor binding sites for the regulation of Flk-1 expression during murine vascular development. <i>Blood</i> , 2000 , 96, 3078-3085	2.2	126
77	Vascular endothelial growth factor increases functional beta-cell mass by improvement of angiogenesis of isolated human and murine pancreatic islets. <i>Transplantation</i> , 2005 , 79, 1530-6	1.8	125
76	The role of vascular endothelial growth factor in blood vessel formation. <i>Trends in Cell Biology</i> , 1996 , 6, 454-6	18.3	124
75	Hypoxia and platelet-derived growth factor-BB synergistically upregulate the expression of vascular endothelial growth factor in vascular smooth muscle cells. <i>FEBS Letters</i> , 1995 , 358, 311-5	3.8	123
74	Mechanoinduction of lymph vessel expansion. <i>EMBO Journal</i> , 2012 , 31, 788-804	13	111
73	Insights in vessel development and vascular disorders using targeted inactivation and transfer of vascular endothelial growth factor, the tissue factor receptor, and the plasminogen system. <i>Annals of the New York Academy of Sciences</i> , 1997 , 811, 191-206	6.5	109
72	Angiogenesis in embryonic development--a review. <i>Placenta</i> , 2000 , 21 Suppl A, S11-5	3.4	98
71	Transforming growth factor-beta and Ras regulate the VEGF/VEGF-receptor system during tumor angiogenesis. <i>International Journal of Cancer</i> , 2002 , 97, 142-8	7.5	92
70	Differential downregulation of vascular endothelial growth factor by dexamethasone in normoxic and hypoxic rat glioma cells. <i>Neuropathology and Applied Neurobiology</i> , 1999 , 25, 104-12	5.2	91
69	Angiogenesis in Embryos and Ischemic Diseases. <i>Thrombosis and Haemostasis</i> , 1997 , 78, 678-683	7	89
68	Multimarker gene analysis of circulating tumor cells in pancreatic cancer patients: a feasibility study. <i>Oncology</i> , 2012 , 82, 3-10	3.6	87
67	Vascular endothelial cadherin promotes breast cancer progression via transforming growth factor beta signaling. <i>Cancer Research</i> , 2008 , 68, 1388-97	10.1	87
66	Circulating vascular progenitor cells do not contribute to compensatory lung growth. <i>Circulation Research</i> , 2003 , 93, 372-9	15.7	74

65	Microtumor growth initiates angiogenic sprouting with simultaneous expression of VEGF, VEGF receptor-2, and angiopoietin-2. <i>Journal of Clinical Investigation</i> , 2002 , 109, 777-85	15.9	71
64	Identification of a clonally expanding haematopoietic compartment in bone marrow. <i>EMBO Journal</i> , 2013 , 32, 219-30	13	64
63	Inhibition of HIF prolyl hydroxylase-2 blocks tumor growth in mice through the antiproliferative activity of TGF β . <i>Cancer Research</i> , 2011 , 71, 3306-16	10.1	62
62	Inhibition of hypoxia-inducible factor activity in endothelial cells disrupts embryonic cardiovascular development. <i>Blood</i> , 2006 , 107, 584-90	2.2	60
61	Hemogenic and nonhemogenic endothelium can be distinguished by the activity of fetal liver kinase (Flk)-1 promoter/enhancer during mouse embryogenesis. <i>Blood</i> , 2003 , 101, 886-93	2.2	59
60	Cardiomyocyte-specific prolyl-4-hydroxylase domain 2 knock out protects from acute myocardial ischemic injury. <i>Journal of Biological Chemistry</i> , 2011 , 286, 11185-94	5.4	58
59	Continuous endothelial cell activation increases angiogenesis: evidence for the direct role of endothelium linking angiogenesis and inflammation. <i>Journal of Vascular Research</i> , 2006 , 43, 193-204	1.9	58
58	HIF-1 α is a protective factor in conditional PHD2-deficient mice suffering from severe HIF-2 α -induced excessive erythropoiesis. <i>Blood</i> , 2013 , 121, 1436-45	2.2	56
57	Polyoma middle T-induced vascular tumor formation: the role of the plasminogen activator/plasmin system. <i>Journal of Cell Biology</i> , 1997 , 137, 953-63	7.3	55
56	Neuron-specific prolyl-4-hydroxylase domain 2 knockout reduces brain injury after transient cerebral ischemia. <i>Stroke</i> , 2012 , 43, 2748-56	6.7	53
55	Type I collagen limits VEGFR-2 signaling by a SHP2 protein-tyrosine phosphatase-dependent mechanism 1. <i>Circulation Research</i> , 2006 , 98, 45-54	15.7	53
54	Characterization of the endothelium-specific murine vascular endothelial growth factor receptor-2 (Flk-1) promoter. <i>Circulation Research</i> , 1996 , 79, 277-85	15.7	53
53	Prognostic and predictive value of circulating tumor cell analysis in colorectal cancer patients. <i>Journal of Translational Medicine</i> , 2012 , 10, 222	8.5	48
52	Ablation of cholesterol biosynthesis in neural stem cells increases their VEGF expression and angiogenesis but causes neuron apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 8350-5	11.5	47
51	Adipocyte-Specific Hypoxia-Inducible Factor 2 α Deficiency Exacerbates Obesity-Induced Brown Adipose Tissue Dysfunction and Metabolic Dysregulation. <i>Molecular and Cellular Biology</i> , 2016 , 36, 376-93	4.8	45
50	Endothelial cadherins in cancer. <i>Cell and Tissue Research</i> , 2014 , 355, 523-7	4.2	44
49	Inhibition of solid tumor growth by gene transfer of VEGF receptor-1 mutants. <i>International Journal of Cancer</i> , 2004 , 111, 348-57	7.5	42
48	Endothelium-specific Cre recombinase activity in flk-1-Cre transgenic mice. <i>Developmental Dynamics</i> , 2004 , 229, 312-8	2.9	41

47	Loss of epithelial hypoxia-inducible factor prolyl hydroxylase 2 accelerates skin wound healing in mice. <i>Molecular and Cellular Biology</i> , 2013 , 33, 3426-38	4.8	40
46	Simultaneous blockade of VEGFR-1 and VEGFR-2 activation is necessary to efficiently inhibit experimental melanoma growth and metastasis formation. <i>International Journal of Cancer</i> , 2007 , 120, 1899-908	7.5	40
45	Functions of the VEGF/VEGF receptor system in the vascular system. <i>Seminars in Thrombosis and Hemostasis</i> , 2000 , 26, 553-9	5.3	39
44	Multimarker Analysis of Circulating Tumor Cells in Peripheral Blood of Metastatic Breast Cancer Patients: A Step Forward in Personalized Medicine. <i>Breast Care</i> , 2012 , 7, 7-12	2.4	38
43	HIF prolyl hydroxylase 2 (PHD2) is a critical regulator of hematopoietic stem cell maintenance during steady-state and stress. <i>Blood</i> , 2013 , 121, 5158-66	2.2	31
42	VEGFR2 Signaling Prevents Colorectal Cancer Cell Senescence to Promote Tumorigenesis in Mice With Colitis. <i>Gastroenterology</i> , 2015 , 149, 177-189.e10	13.3	30
41	BIOLOGISTICS AND THE STRUGGLE FOR EFFICIENCY: CONCEPTS AND PERSPECTIVES. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2009 , 12, 533-548	0.8	28
40	Thrombopoietin stimulates VEGF release from c-Mpl-expressing cell lines and haematopoietic progenitors. <i>FEBS Letters</i> , 1998 , 423, 10-4	3.8	27
39	Interplay between neural-cadherin and vascular endothelial-cadherin in breast cancer progression. <i>Breast Cancer Research</i> , 2012 , 14, R154	8.3	26
38	Upregulation of vascular endothelial growth factor in severe chronic brain hypoxia of the rat. <i>Neuroscience Letters</i> , 1998 , 252, 199-202	3.3	26
37	Receptor tyrosine kinase inhibitors: Are they real tumor killers?. <i>International Journal of Cancer</i> , 2016 , 138, 540-54	7.5	25
36	Haematopoietic prolyl hydroxylase-1 deficiency promotes M2 macrophage polarization and is both necessary and sufficient to protect against experimental colitis. <i>Journal of Pathology</i> , 2017 , 241, 547-558	9.4	21
35	Overexpression of factor inhibiting HIF-1 enhances vessel maturation and tumor growth via platelet-derived growth factor-C. <i>International Journal of Cancer</i> , 2012 , 131, E603-13	7.5	20
34	HIF prolyl hydroxylase-2 inhibition diminishes tumor growth through matrix metalloproteinase-induced TGF β activation. <i>Cancer Biology and Therapy</i> , 2012 , 13, 216-23	4.6	19
33	The expression of VE-cadherin in breast cancer cells modulates cell dynamics as a function of tumor differentiation and promotes tumor-endothelial cell interactions. <i>Histochemistry and Cell Biology</i> , 2018 , 149, 15-30	2.4	17
32	Isolated pancreatic islets in three-dimensional matrices are responsive to stimulators and inhibitors of angiogenesis. <i>Cell Transplantation</i> , 2006 , 15, 489-97	4	16
31	Design of a variant of vascular endothelial growth factor-A (VEGF-A) antagonizing KDR/Flk-1 and Flt-1. <i>Laboratory Investigation</i> , 2002 , 82, 473-81	5.9	16
30	Endothelial receptor tyrosine kinases involved in blood vessel development and tumor angiogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2000 , 476, 57-66	3.6	14

29	PHD4 stimulates tumor angiogenesis in osteosarcoma cells via TGF- β <i>Molecular Cancer Research</i> , 2013 , 11, 1337-48	6.6	13
28	Angiogenesis in metabolic-vascular disease. <i>Thrombosis and Haemostasis</i> , 2017 , 117, 1289-1295	7	13
27	A role for prolyl hydroxylase domain proteins in hippocampal synaptic plasticity. <i>Hippocampus</i> , 2013 , 23, 861-72	3.5	13
26	Parameter estimation with a novel gradient-based optimization method for biological lattice-gas cellular automaton models. <i>Journal of Mathematical Biology</i> , 2011 , 63, 173-200	2	13
25	Spatiotemporal expression of flk-1 in pulmonary epithelial cells during lung development. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2008 , 39, 163-70	5.7	13
24	Lentiviral rescue of vascular endothelial growth factor receptor-2 expression in flk1-/- embryonic stem cells shows early priming of endothelial precursors. <i>Stem Cells</i> , 2007 , 25, 2987-95	5.8	13
23	Lymphangiogenesis in regenerating tissue: is VEGF-C sufficient?. <i>Circulation Research</i> , 2005 , 96, 1132-4	15.7	12
22	Hematopoietic hypoxia-inducible factor 2 β deficiency ameliorates pathological retinal neovascularization via modulation of endothelial cell apoptosis. <i>FASEB Journal</i> , 2019 , 33, 1758-1770	0.9	11
21	Development of a molecular multimarker assay for the analysis of circulating tumor cells in adenocarcinoma patients. <i>Clinical Laboratory</i> , 2012 , 58, 373-84	2	11
20	The inhibition of tyrosine kinase receptor signalling in leiomyosarcoma cells using the small molecule kinase inhibitor PTK787/ZK222584 (Vatalanib). <i>International Journal of Oncology</i> , 2014 , 45, 2267-77	4.4	10
19	Tracking adult neovascularization during ischemia and inflammation using Vegfr2-LacZ reporter mice. <i>Journal of Vascular Research</i> , 2008 , 45, 437-44	1.9	10
18	Identification of Vascular Endothelial Growth Factor (VEGF) Receptor-2 (Flk-1) Promoter/Enhancer Sequences Sufficient for Angioblast and Endothelial Cell-Specific Transcription in Transgenic Mice. <i>Blood</i> , 1999 , 93, 4284-4292	2.2	7
17	A novel Flk1-TVA transgenic mouse model for gene delivery to angiogenic vasculature. <i>Transgenic Research</i> , 2008 , 17, 403-15	3.3	6
16	HIF in vascular development and tumour angiogenesis. <i>Novartis Foundation Symposium</i> , 2007 , 283, 126-33; discussion 133-8, 238-41		6
15	In situ hybridization with RNA probes. <i>Methods in Molecular Biology</i> , 1999 , 96, 107-17	1.4	6
14	Lack of vascular endothelial growth factor receptor-2/Flk1 signaling does not affect substantia nigra development. <i>Neuroscience Letters</i> , 2013 , 553, 142-7	3.3	3
13	Role of SCL/Tal-1, GATA, and Ets transcription factor binding sites for the regulation of Flk-1 expression during murine vascular development. <i>Blood</i> , 2000 , 96, 3078-3085	2.2	3
12	PHD3 Acts as Tumor Suppressor in Mouse Osteosarcoma and Influences Tumor Vascularization via PDGF-C Signaling. <i>Cancers</i> , 2018 , 10,	6.6	3

11	The Role of Vascular Endothelial Growth Factors and Their Receptors During Embryonic Vascular Development 2002 , 21-54		3
10	Genetic mapping of the vascular endothelial growth factor (Vegf) gene to mouse chromosome 17. <i>Mammalian Genome</i> , 1997 , 8, 451-2	3.2	2
9	Microenvironmentally-driven Plasticity of CD44 isoform expression determines Engraftment and Stem-like Phenotype in CRC cell lines. <i>Theranostics</i> , 2020 , 10, 7599-7621	12.1	2
8	The Influence of VE-Cadherin on Adhesion and Incorporation of Breast Cancer Cells into Vascular Endothelium. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
7	Angiogenic Growth Factors in Embryos and Tumors. <i>Contributions To Oncology / Beitrage Zur Onkologie</i> , 1992 , 44, 224-231		1
6	Cellular Automaton Modeling of Tumor Invasion 2020 , 851-863		1
5	Lymphangiogenesis in vitro. <i>Blood</i> , 2006 , 107, 853-854	2.2	
4	Vasculogenesis909-924		
3	In Situ Hybridization Analysis of Vascular Endothelium 2004 , 301-312		
2	The Role of Vascular Endothelial Growth Factor in Tumor Angiogenesis 1998 , 305-318		
1	Heparanase and Thrombin: Common Signalling Pathways in Melanoma Cells?. <i>Thrombosis and Haemostasis</i> , 2018 , 118, 1688-1689		7