

Georg Breier

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6925694/publications.pdf>

Version: 2024-02-01

106
papers

16,113
citations

34016

52
h-index

38300

95
g-index

109
all docs

109
docs citations

109
times ranked

14285
citing authors

#	ARTICLE	IF	CITATIONS
1	Abnormal blood vessel development and lethality in embryos lacking a single VEGF allele. Nature, 1996, 380, 435-439.	13.7	3,776
2	Vascular endothelial growth factor is a potential tumour angiogenesis factor in human gliomas in vivo. Nature, 1992, 359, 845-848.	13.7	2,168
3	The Vascular Endothelial Growth Factor Receptor Flt-1 Mediates Biological Activities. Journal of Biological Chemistry, 1996, 271, 17629-17634.	1.6	749
4	Role of tissue factor in embryonic blood vessel development. Nature, 1996, 383, 73-75.	13.7	646
5	Regulation of Vascular Endothelial Growth Factor Expression in Cultured Keratinocytes.. Journal of Biological Chemistry, 1995, 270, 12607-12613.	1.6	627
6	Vascular Endothelial Growth Factor Induces Endothelial Fenestrations In Vitro. Journal of Cell Biology, 1998, 140, 947-959.	2.3	580
7	Hypoxia-induced Transcriptional Activation and Increased mRNA Stability of Vascular Endothelial Growth Factor in C6 Glioma Cells. Journal of Biological Chemistry, 1995, 270, 19761-19766.	1.6	488
8	Vascular endothelial growth factor and glioma angiogenesis: Coordinate induction of VEGF receptors, distribution of VEGF protein and possible in vivo regulatory mechanisms. International Journal of Cancer, 1994, 59, 520-529.	2.3	429
9	Angiopoietin-2 Causes Pericyte Dropout in the Normal Retina: Evidence for Involvement in Diabetic Retinopathy. Diabetes, 2004, 53, 1104-1110.	0.3	306
10	Coordinate expression of vascular endothelial growth factor receptor-1 (flt-1) and its ligand suggests a paracrine regulation of murine vascular development. Developmental Dynamics, 1995, 204, 228-239.	0.8	269
11	Vascular Endothelial Growth Factor (VEGF) and VEGF Receptor 2 (flk-1) Are Expressed during Vasculogenesis and Vascular Differentiation in the Quail Embryo. Developmental Biology, 1995, 169, 699-712.	0.9	253
12	Cooperative Interaction of Hypoxia-inducible Factor-2 β (HIF-2 β) and Ets-1 in the Transcriptional Activation of Vascular Endothelial Growth Factor Receptor-2 (Flk-1). Journal of Biological Chemistry, 2003, 278, 7520-7530.	1.6	239
13	Spatial regulation of VEGF receptor endocytosis in angiogenesis. Nature Cell Biology, 2013, 15, 249-260.	4.6	221
14	Molecular Mechanisms of Developmental and Tumor Angiogenesis. Brain Pathology, 1994, 4, 207-218.	2.1	217
15	Upregulation of the vascular endothelial growth factor/vascular endothelial growth factor receptor system in experimental background diabetic retinopathy of the rat. Diabetes, 1998, 47, 401-406.	0.3	211
16	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. Blood, 1999, 93, 4284-4292.	0.6	204
17	VEGF Gene Transfer Reduces Intimal Thickening via Increased Production of Nitric Oxide in Carotid Arteries. Human Gene Therapy, 1997, 8, 1737-1744.	1.4	196
18	Hypoxia-mediated activation of Dll4-Notch-Hey2 signaling in endothelial progenitor cells and adoption of arterial cell fate. Experimental Cell Research, 2007, 313, 1-9.	1.2	194

#	ARTICLE	IF	CITATIONS
19	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.	1.8	179
20	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.	3.9	171
21	De novo expression of vascular endothelial growth factor in human pancreatic cancer: Evidence for an autocrine mitogenic loop. <i>Gastroenterology</i> , 2000, 119, 1358-1372.	0.6	169
22	p38 MAP Kinase—a molecular switch between VEGF-induced angiogenesis and vascular hyperpermeability. <i>FASEB Journal</i> , 2003, 17, 262-264.	0.2	159
23	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, 311-315.	1.3	150
24	The role of vascular endothelial growth factor in blood vessel formation. <i>Trends in Cell Biology</i> , 1996, 6, 454-456.	3.6	141
25	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.	0.6	139
26	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.	0.6	136
27	Vascular Endothelial Growth Factor Increases Functional β^2 -Cell Mass by Improvement of Angiogenesis of Isolated Human and Murine Pancreatic Islets. <i>Transplantation</i> , 2005, 79, 1530-1536.	0.5	135
28	Mechanoinduction of lymph vessel expansion. <i>EMBO Journal</i> , 2012, 31, 788-804.	3.5	134
29	Angiogenesis in Embryonic Development—A Review. <i>Placenta</i> , 2000, 21, S11-S15.	0.7	131
30	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.	1.8	119
31	Angiogenesis in Embryos and Ischemic Diseases. <i>Thrombosis and Haemostasis</i> , 1997, 78, 678-683.	1.8	115
32	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.	3.9	106
33	Multimarker Gene Analysis of Circulating Tumor Cells in Pancreatic Cancer Patients: A Feasibility Study. <i>Oncology</i> , 2012, 82, 3-10.	0.9	104
34	Differential downregulation of vascular endothelial growth factor by dexamethasone in normoxic and hypoxic rat glioma cells. <i>Neuropathology and Applied Neurobiology</i> , 1999, 25, 104-112.	1.8	100
35	Transforming growth factor- β and Ras regulate the VEGF/VEGF-receptor system during tumor angiogenesis. <i>International Journal of Cancer</i> , 2002, 97, 142-148.	2.3	99
36	Vascular Endothelial Cadherin Promotes Breast Cancer Progression via Transforming Growth Factor β^2 Signaling. <i>Cancer Research</i> , 2008, 68, 1388-1397.	0.4	96

#	ARTICLE	IF	CITATIONS
37	Circulating Vascular Progenitor Cells Do Not Contribute to Compensatory Lung Growth. <i>Circulation Research</i> , 2003, 93, 372-379.	2.0	79
38	Cardiomyocyte-specific Prolyl-4-hydroxylase Domain 2 Knock Out Protects from Acute Myocardial Ischemic Injury. <i>Journal of Biological Chemistry</i> , 2011, 286, 11185-11194.	1.6	74
39	Identification of a clonally expanding haematopoietic compartment in bone marrow. <i>EMBO Journal</i> , 2012, 32, 219-230.	3.5	70
40	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, 886-893.	0.6	68
41	Inhibition of hypoxia-inducible factor activity in endothelial cells disrupts embryonic cardiovascular development. <i>Blood</i> , 2006, 107, 584-590.	0.6	68
42	HIF-1 [±] is a protective factor in conditional PHD2-deficient mice suffering from severe HIF-2 [±] -induced excessive erythropoiesis. <i>Blood</i> , 2013, 121, 1436-1445.	0.6	67
43	Inhibition of HIF Prolyl Hydroxylase-2 Blocks Tumor Growth in Mice through the Antiproliferative Activity of TGF ^β 2. <i>Cancer Research</i> , 2011, 71, 3306-3316.	0.4	66
44	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.	0.6	65
45	Neuron-Specific Prolyl-4-Hydroxylase Domain 2 Knockout Reduces Brain Injury After Transient Cerebral Ischemia. <i>Stroke</i> , 2012, 43, 2748-2756.	1.0	65
46	Polyoma Middle T-induced Vascular Tumor Formation: The Role of the Plasminogen Activator/Plasmin System. <i>Journal of Cell Biology</i> , 1997, 137, 953-963.	2.3	65
47	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, 8350-8355.	3.3	64
48	Characterization of the Endothelium-Specific Murine Vascular Endothelial Growth Factor Receptor-2 (Flk-1) Promoter. <i>Circulation Research</i> , 1996, 79, 277-285.	2.0	64
49	Adipocyte-Specific Hypoxia-Inducible Factor 2 [±] Deficiency Exacerbates Obesity-Induced Brown Adipose Tissue Dysfunction and Metabolic Dysregulation. <i>Molecular and Cellular Biology</i> , 2016, 36, 376-393.	1.1	63
50	Endothelial cadherins in cancer. <i>Cell and Tissue Research</i> , 2014, 355, 523-527.	1.5	62
51	Loss of Epithelial Hypoxia-Inducible Factor Prolyl Hydroxylase 2 Accelerates Skin Wound Healing in Mice. <i>Molecular and Cellular Biology</i> , 2013, 33, 3426-3438.	1.1	61
52	Type I Collagen Limits VEGFR-2 Signaling by a SHP2 Protein-Tyrosine Phosphatase-Dependent Mechanism 1. <i>Circulation Research</i> , 2006, 98, 45-54.	2.0	55
53	Prognostic and predictive value of circulating tumor cell analysis in colorectal cancer patients. <i>Journal of Translational Medicine</i> , 2012, 10, 222.	1.8	52
54	Inhibition of solid tumor growth by gene transfer of VEGF receptor-1 mutants. <i>International Journal of Cancer</i> , 2004, 111, 348-357.	2.3	48

#	ARTICLE	IF	CITATIONS
55	Endothelium-specific Cre recombinase activity in flk-1-Cre transgenic mice. <i>Developmental Dynamics</i> , 2004, 229, 312-318.	0.8	47
56	Functions of the VEGF/VEGF Receptor System in the Vascular System. <i>Seminars in Thrombosis and Hemostasis</i> , 2000, 26, 553-560.	1.5	46
57	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, 1899-1908.	2.3	44
58	VEGFR2 Signaling Prevents Colorectal Cancer Cell Senescence to Promote Tumorigenesis in Mice With Colitis. <i>Gastroenterology</i> , 2015, 149, 177-189.e10.	0.6	44
59	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.	0.8	41
60	HIF prolyl hydroxylase 2 (PHD2) is a critical regulator of hematopoietic stem cell maintenance during steady-state and stress. <i>Blood</i> , 2013, 121, 5158-5166.	0.6	41
61	BIOLOGISTICS AND THE STRUGGLE FOR EFFICIENCY: CONCEPTS AND PERSPECTIVES. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2009, 12, 533-548.	0.9	33
62	Interplay between neural-cadherin and vascular endothelial-cadherin in breast cancer progression. <i>Breast Cancer Research</i> , 2012, 14, R154.	2.2	33
63	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.	2.1	32
64	Overexpression of factor inhibiting HIF-1 enhances vessel maturation and tumor growth <i>via</i> platelet-derived growth factor- β . <i>International Journal of Cancer</i> , 2012, 131, E603-13.	2.3	30
65	Thrombopoietin stimulates VEGF release from c-Mpl-expressing cell lines and haematopoietic progenitors. <i>FEBS Letters</i> , 1998, 423, 10-14.	1.3	29
66	Upregulation of vascular endothelial growth factor in severe chronic brain hypoxia of the rat. <i>Neuroscience Letters</i> , 1998, 252, 199-202.	1.0	28
67	Receptor tyrosine kinase inhibitors: Are they real tumor killers?. <i>International Journal of Cancer</i> , 2016, 138, 540-554.	2.3	26
68	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.	0.8	24
69	HIF prolyl hydroxylase-2 inhibition diminishes tumor growth through matrix metalloproteinase-induced TGF β 2 activation. <i>Cancer Biology and Therapy</i> , 2012, 13, 216-223.	1.5	21
70	PHD4 Stimulates Tumor Angiogenesis in Osteosarcoma Cells via TGF β . <i>Molecular Cancer Research</i> , 2013, 11, 1337-1348.	1.5	20
71	A role for prolyl hydroxylase domain proteins in hippocampal synaptic plasticity. <i>Hippocampus</i> , 2013, 23, 861-872.	0.9	19
72	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, 473-481.	1.7	18

#	ARTICLE	IF	CITATIONS
73	Angiogenesis in metabolic-vascular disease. <i>Thrombosis and Haemostasis</i> , 2017, 117, 1289-1295.	1.8	17
74	Isolated Pancreatic Islets in Three-Dimensional Matrices are Responsive to Stimulators and Inhibitors of Angiogenesis. <i>Cell Transplantation</i> , 2006, 15, 489-497.	1.2	16
75	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.	0.8	15
76	Hematopoietic hypoxia-inducible factor 2 [±] deficiency ameliorates pathological retinal neovascularization via modulation of endothelial cell apoptosis. <i>FASEB Journal</i> , 2019, 33, 1758-1770.	0.2	15
77	Lymphangiogenesis in Regenerating Tissue. <i>Circulation Research</i> , 2005, 96, 1132-1134.	2.0	14
78	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, 2987-2995.	1.4	14
79	Spatiotemporal Expression of flk-1 in Pulmonary Epithelial Cells during Lung Development. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2008, 39, 163-170.	1.4	14
80	Endothelial Receptor Tyrosine Kinases involved in Blood Vessel Development and Tumor Angiogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2000, 476, 57-66.	0.8	14
81	Development of a molecular multimarker assay for the analysis of circulating tumor cells in adenocarcinoma patients. <i>Clinical Laboratory</i> , 2012, 58, 373-84.	0.2	12
82	Microenvironmentally-driven Plasticity of CD44 isoform expression determines Engraftment and Stem-like Phenotype in CRC cell lines. <i>Theranostics</i> , 2020, 10, 7599-7621.	4.6	11
83	Tracking Adult Neovascularization during Ischemia and Inflammation Using Vegfr2-LacZ Reporter Mice. <i>Journal of Vascular Research</i> , 2008, 45, 437-444.	0.6	10
84	Propranolol and angiogenesis inhibition in hereditary haemorrhagic telangiectasia. <i>Thrombosis and Haemostasis</i> , 2012, 108, 1-2.	1.8	10
85	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, 2267-2277.	1.4	10
86	In situ Hybridization with RNA Probes. , 1999, 96, 107-117.		8
87	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, 6049.	1.8	8
88	HIF in Vascular Development and Tumour Angiogenesis. <i>Novartis Foundation Symposium</i> , 2007, 283, 126-138.	1.2	6
89	A novel Flk1-TVA transgenic mouse model for gene delivery to angiogenic vasculature. <i>Transgenic Research</i> , 2008, 17, 403-415.	1.3	6
90	PHD3 Acts as Tumor Suppressor in Mouse Osteosarcoma and Influences Tumor Vascularization via PDGF-C Signaling. <i>Cancers</i> , 2018, 10, 496.	1.7	5

#	ARTICLE	IF	CITATIONS
91	The Role of Vascular Endothelial Growth Factors and Their Receptors During Embryonic Vascular Development. , 2002, , 21-54.		4
92	Genetic mapping of the vascular endothelial growth factor (Vegf) gene to mouse Chromosome 17. Mammalian Genome, 1997, 8, 451-452.	1.0	3
93	Lack of vascular endothelial growth factor receptor-2/Flk1 signaling does not affect substantia nigra development. Neuroscience Letters, 2013, 553, 142-147.	1.0	3
94	Role of SCL/Tal-1, GATA, and Ets transcription factor binding sites for the regulation of Flk-1 expression during murine vascular development. Blood, 2000, 96, 3078-3085.	0.6	3
95	Angiogenic Growth Factors in Embryos and Tumors. Contributions To Oncology / Beitrage Zur Onkologie, 1992, 44, 224-231.	0.1	2
96	Cellular Automaton Modeling of Tumor Invasion. , 2020, , 851-863.		2
97	Judah Folkman. Thrombosis and Haemostasis, 2008, 99, 250.	1.8	1
98	The role of growth factors in angiogenesis. Journal of Molecular and Cellular Cardiology, 1991, 23, S17.	0.9	0
99	2.W12.5 Adventitial gene transfer to rabbit carotid arteries. Atherosclerosis, 1997, 134, 109-110.	0.4	0
100	De novo expression of vascular endothelial growth factor and its receptors in human pancreatic cancer: Evidence for a novel autocrine mitogenic loop. Gastroenterology, 2000, 118, A447.	0.6	0
101	Lymphangiogenesis in vitro. Blood, 2006, 107, 853-854.	0.6	0
102	Notch, hypoxia and arterial cell fate. Vascular Pharmacology, 2006, 45, 177-178.	1.0	0
103	Heparanase and Thrombin: Common Signalling Pathways in Melanoma Cells?. Thrombosis and Haemostasis, 2018, 118, 1688-1689.	1.8	0
104	In Situ Hybridization Analysis of Vascular Endothelium. , 2004, , 301-312.		0
105	The Role of Vascular Endothelial Growth Factor in Tumor Angiogenesis. , 1998, , 305-318.		0
106	Cellular Automaton Modeling of Tumor Invasion. , 2019, , 1-13.		0