

Beate Heissig

List of Publications by Year in descending order

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69
papers

10,922
citations

109137

35
h-index

118652

62
g-index

71
all docs

71
docs citations

71
times ranked

10291
citing authors

#	ARTICLE	IF	CITATIONS
1	Impaired recruitment of bone-marrow-derived endothelial and hematopoietic precursor cells blocks tumor angiogenesis and growth. <i>Nature Medicine</i> , 2001, 7, 1194-1201.	15.2	1,784
2	Recruitment of Stem and Progenitor Cells from the Bone Marrow Niche Requires MMP-9 Mediated Release of Kit-Ligand. <i>Cell</i> , 2002, 109, 625-637.	13.5	1,630
3	Chemokine-mediated interaction of hematopoietic progenitors with the bone marrow vascular niche is required for thrombopoiesis. <i>Nature Medicine</i> , 2004, 10, 64-71.	15.2	697
4	Vascular and haematopoietic stem cells: novel targets for anti-angiogenesis therapy?. <i>Nature Reviews Cancer</i> , 2002, 2, 826-835.	12.8	670
5	Vascular Endothelial Growth Factor and Angiopoietin-1 Stimulate Postnatal Hematopoiesis by Recruitment of Vasculogenic and Hematopoietic Stem Cells. <i>Journal of Experimental Medicine</i> , 2001, 193, 1005-1014.	4.2	646
6	Cytokine-mediated deployment of SDF-1 induces revascularization through recruitment of CXCR4+ hemangiocytes. <i>Nature Medicine</i> , 2006, 12, 557-567.	15.2	616
7	Placental growth factor reconstitutes hematopoiesis by recruiting VEGFR1+ stem cells from bone-marrow microenvironment. <i>Nature Medicine</i> , 2002, 8, 841-849.	15.2	602
8	Plasma elevation of stromal cell-derived factor-1 induces mobilization of mature and immature hematopoietic progenitor and stem cells. <i>Blood</i> , 2001, 97, 3354-3360.	0.6	494
9	Autocrine stimulation of VEGFR-2 activates human leukemic cell growth and migration. <i>Journal of Clinical Investigation</i> , 2000, 106, 511-521.	3.9	384
10	Inhibition of both paracrine and autocrine VEGF/ VEGFR-2 signaling pathways is essential to induce long-term remission of xenotransplanted human leukemias. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 10857-10862.	3.3	254
11	Mobilization of Endothelial and Hematopoietic Stem and Progenitor Cells by Adenovector-Mediated Elevation of Serum Levels of SDF-1, VEGF, and Angiopoietin-1. <i>Annals of the New York Academy of Sciences</i> , 2001, 938, 36-47.	1.8	251
12	Granulocyte colony-stimulating factor promotes neovascularization by releasing vascular endothelial growth factor from neutrophils. <i>FASEB Journal</i> , 2005, 19, 2005-2007.	0.2	236
13	Low-dose irradiation promotes tissue revascularization through VEGF release from mast cells and MMP-9-mediated progenitor cell mobilization. <i>Journal of Experimental Medicine</i> , 2005, 202, 739-750.	4.2	218
14	Efficient mobilization and recruitment of marrow-derived endothelial and hematopoietic stem cells by adenoviral vectors expressing angiogenic factors. <i>Gene Therapy</i> , 2002, 9, 631-641.	2.3	172
15	Angiogenesis: vascular remodeling of the extracellular matrix involves metalloproteinases. <i>Current Opinion in Hematology</i> , 2003, 10, 136-141.	1.2	168
16	Stromal-derived factor 1-induced megakaryocyte migration and platelet production is dependent on matrix metalloproteinases. <i>Blood</i> , 2000, 96, 4152-4159.	0.6	152
17	Contribution of marrow-derived progenitors to vascular and cardiac regeneration. <i>Seminars in Cell and Developmental Biology</i> , 2002, 13, 61-67.	2.3	135
18	Interleukin-1 β (IL-1 β) promotes angiogenesis in vivo via VEGFR-2 pathway by inducing inflammatory cell VEGF synthesis and secretion. <i>FASEB Journal</i> , 2002, 16, 1471-1473.	0.2	133

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19	Molecular pathways regulating mobilization of marrow-derived stem cells for tissue revascularization. <i>Trends in Molecular Medicine</i> , 2003, 9, 109-117.	3.5	126
20	Angiogenic Factors Reconstitute Hematopoiesis by Recruiting Stem Cells from Bone Marrow Microenvironment. <i>Annals of the New York Academy of Sciences</i> , 2003, 996, 49-60.	1.8	124
21	The Regulation of Hematopoietic Stem Cell and Progenitor Mobilization by Chemokine SDF-1. <i>Leukemia and Lymphoma</i> , 2003, 44, 575-582.	0.6	115
22	Matrix metalloproteinase-9 regulates TNF- α and FasL expression in neuronal, glial cells and its absence extends life in a transgenic mouse model of amyotrophic lateral sclerosis. <i>Experimental Neurology</i> , 2007, 205, 74-81.	2.0	105
23	Role of c-kit/Kit ligand signaling in regulating vasculogenesis. <i>Thrombosis and Haemostasis</i> , 2003, 90, 570-576.	1.8	103
24	A role for niches in hematopoietic cell development. <i>Hematology</i> , 2005, 10, 247-253.	0.7	72
25	The Plasminogen Fibrinolytic Pathway Is Required for Hematopoietic Regeneration. <i>Cell Stem Cell</i> , 2007, 1, 658-670.	5.2	72
26	The multifaceted role of plasminogen in inflammation. <i>Cellular Signalling</i> , 2020, 75, 109761.	1.7	68
27	Inhibition of PAI-1 induces neutrophil-driven neoangiogenesis and promotes tissue regeneration via production of angiocrine factors in mice. <i>Blood</i> , 2012, 119, 6382-6393.	0.6	65
28	Metalloproteinase regulation improves in vitro generation of efficacious platelets from mouse embryonic stem cells. <i>Journal of Experimental Medicine</i> , 2008, 205, 1917-1927.	4.2	62
29	Role of neutrophil-derived matrix metalloproteinase-9 in tissue regeneration. <i>Histology and Histopathology</i> , 2010, 25, 765-70.	0.5	61
30	Role of mesenchymal stem cell-derived fibrinolytic factor in tissue regeneration and cancer progression. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 4759-4770.	2.4	55
31	Adipocyte-Derived Microvesicles Are Associated with Multiple Angiogenic Factors and Induce Angiogenesis in Vivo and in Vitro. <i>Endocrinology</i> , 2010, 151, 2567-2576.	1.4	53
32	Endothelial progenitor cells are cellular hubs essential for neoangiogenesis of certain aggressive adenocarcinomas and metastatic transition but not adenomas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, E54; author reply E55.	3.3	51
33	MT1-MMP plays a critical role in hematopoiesis by regulating HIF-mediated chemokine/cytokine gene transcription within niche cells. <i>Blood</i> , 2012, 119, 5405-5416.	0.6	51
34	Plasminogen activator inhibitor-1 regulates macrophage-dependent postoperative adhesion by enhancing EGF-HER1 signaling in mice. <i>FASEB Journal</i> , 2017, 31, 2625-2637.	0.2	48
35	Inhibition of Plasmin Protects Against Colitis in Mice by Suppressing Matrix Metalloproteinase 9-Mediated Cytokine Release From Myeloid Cells. <i>Gastroenterology</i> , 2015, 148, 565-578.e4.	0.6	41
36	Pharmacological targeting of plasmin prevents lethality in a murine model of macrophage activation syndrome. <i>Blood</i> , 2017, 130, 59-72.	0.6	40

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37	Inhibition of plasmin attenuates murine acute graft-versus-host disease mortality by suppressing the matrix metalloproteinase-9-dependent inflammatory cytokine storm and effector cell trafficking. <i>Leukemia</i> , 2015, 29, 145-156.	3.3	36
38	Tissue type plasminogen activator regulates myeloid-cell dependent neoangiogenesis during tissue regeneration. <i>Blood</i> , 2010, 115, 4302-4312.	0.6	35
39	Tumor Necrosis Factor Receptor-associated Factor (TRAF) 2 Controls Homeostasis of the Colon to Prevent Spontaneous Development of Murine Inflammatory Bowel Disease. <i>Journal of Biological Chemistry</i> , 2011, 286, 17879-17888.	1.6	31
40	Plasmin inhibitor reduces T-cell lymphoid tumor growth by suppressing matrix metalloproteinase-9-dependent CD11b+/F4/80+ myeloid cell recruitment. <i>Leukemia</i> , 2012, 26, 332-339.	3.3	24
41	Bone Marrow-Derived CD11b+Jagged2+ Cells Promote Epithelial-to-Mesenchymal Transition and Metastasis in Colorectal Cancer. <i>Cancer Research</i> , 2013, 73, 4233-4246.	0.4	22
42	The fibrinolytic factor tPA drives LRP1-mediated melanoma growth and metastasis. <i>FASEB Journal</i> , 2019, 33, 3465-3480.	0.2	21
43	Cancer therapy targeting the fibrinolytic system. <i>Advanced Drug Delivery Reviews</i> , 2016, 99, 172-179.	6.6	20
44	The Multifaceted Role of Plasminogen in Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2304.	1.8	19
45	New functions of the fibrinolytic system in bone marrow cell-derived angiogenesis. <i>International Journal of Hematology</i> , 2012, 95, 131-137.	0.7	18
46	Hes1 promotes blast crisis in chronic myelogenous leukemia through MMP-9 upregulation in leukemic cells. <i>Blood</i> , 2014, 123, 3932-3942.	0.6	18
47	Contribution of the fibrinolytic pathway to hematopoietic regeneration. <i>Journal of Cellular Physiology</i> , 2009, 221, 521-525.	2.0	16
48	Fibrinolytic crosstalk with endothelial cells expands murine mesenchymal stromal cells. <i>Blood</i> , 2016, 128, 1063-1075.	0.6	16
49	The Multifaceted Roles of EGFL7 in Cancer and Drug Resistance. <i>Cancers</i> , 2021, 13, 1014.	1.7	14
50	The EGFL7-ITGB3-KLF2 axis enhances survival of multiple myeloma in preclinical models. <i>Blood Advances</i> , 2020, 4, 1021-1037.	2.5	13
51	Increased soluble urokinase plasminogen activator receptor (suPAR) serum levels after granulocyte colony-stimulating factor treatment do not predict successful progenitor cell mobilization in vivo. <i>Blood</i> , 2006, 107, 3408-3409.	0.6	10
52	Plasminogen deficiency attenuates postnatal erythropoiesis in male C57BL/6 mice through decreased activity of the LH-testosterone axis. <i>Experimental Hematology</i> , 2012, 40, 143-154.	0.2	9
53	The angiogenic factor Eglf7 alters thymogenesis by activating Flt3 signaling. <i>Biochemical and Biophysical Research Communications</i> , 2017, 490, 209-216.	1.0	7
54	Low-dose oral cyclophosphamide therapy reduces atherosclerosis progression by decreasing inflammatory cells in a murine model of atherosclerosis. <i>IJC Heart and Vasculature</i> , 2020, 28, 100529.	0.6	7

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55	Aloysia Citrodora Essential Oil Inhibits Melanoma Cell Growth and Migration by Targeting HB-EGF-EGFR Signaling. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8151.	1.8	7
56	Predominantly BCR-ABL negative myeloid precursors in interferon- γ treated chronic myelogenous leukemia: a follow-up study of peripheral blood colony-forming cells with fluorescence in situ hybridization. <i>Annals of Hematology</i> , 2001, 80, 9-16.	0.8	5
57	CD14+ peripheral blood mononuclear cells from chronic myeloid leukemia and normal donors are inhibitory to short- and long-term cultured colony-forming cells. <i>Leukemia Research</i> , 2000, 24, 217-231.	0.4	4
58	The Plasminogen Fibrinolytic Pathway Is Required for Hematopoietic Regeneration. <i>Cell Stem Cell</i> , 2008, 3, 120.	5.2	4
59	Does long-term culture favor normal clonogenic cells from interferon-treated patients with chronic myelogenous leukemia?. <i>Leukemia</i> , 1999, 13, S55-S64.	3.3	3
60	Tissue Type Plasminogen Activator Regulates Myeloid-Cell Dependent Neoangiogenesis During Tissue Regeneration.. <i>Blood</i> , 2009, 114, 3052-3052.	0.6	3
61	The role of plasmin in the pathogenesis of murine multiple myeloma. <i>Biochemical and Biophysical Research Communications</i> , 2017, 488, 387-392.	1.0	2
62	siRNA against CD40 delivered via a fungal recognition receptor ameliorates murine acute graft-versus-host disease. <i>EJHaem</i> , 0, , .	0.4	2
63	Novel Functions for a Fibrinolytic Pathway in Controlling the Stem Cell Niche.. <i>Blood</i> , 2006, 108, 1394-1394.	0.6	0
64	Novel Functions for a Fibrinolytic Pathway in Controlling Hematopoiesis.. <i>Blood</i> , 2007, 110, 86-86.	0.6	0
65	Metalloproteinase regulation improves in vitro generation of efficacious platelets from mouse embryonic stem cells. <i>Journal of Cell Biology</i> , 2008, 182, i7-i7.	2.3	0
66	Bone marrow-derived cells play a key role in tissue regeneration. <i>Seibutsu Butsuri Kagaku</i> , 2009, 53, 109-114.	0.1	0
67	MT1-MMP Plays a Critical Role In the Modulation of Hematopoiesis.. <i>Blood</i> , 2010, 116, 3851-3851.	0.6	0
68	A Plasmin Inhibitor Prevents Lethal Acute Graft-Versus-Host Disease in Mice. <i>Blood</i> , 2011, 118, 1897-1897.	0.6	0
69	MT1-MMP Regulates Hematopoiesis Through HIF-Mediated Chemo-/Cytokine Release From the Bone Marrow Niche,. <i>Blood</i> , 2011, 118, 3409-3409.	0.6	0