

Ingrid G Winkler

List of Publications by Year in descending order

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86
papers

4,614
citations

147726

31
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98753

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docs citations

88
times ranked

5552
citing authors

#	ARTICLE	IF	CITATIONS
1	Bone marrow macrophages maintain hematopoietic stem cell (HSC) niches and their depletion mobilizes HSCs. <i>Blood</i> , 2010, 116, 4815-4828.	0.6	695
2	G-CSF potently inhibits osteoblast activity and CXCL12 mRNA expression in the bone marrow. <i>Blood</i> , 2005, 106, 3020-3027.	0.6	444
3	Vascular niche E-selectin regulates hematopoietic stem cell dormancy, self renewal and chemoresistance. <i>Nature Medicine</i> , 2012, 18, 1651-1657.	15.2	364
4	Mobilization by either cyclophosphamide or granulocyte colony-stimulating factor transforms the bone marrow into a highly proteolytic environment. <i>Experimental Hematology</i> , 2002, 30, 440-449.	0.2	265
5	The endosteal "osteoblastic" niche and its role in hematopoietic stem cell homing and mobilization. <i>Leukemia</i> , 2010, 24, 1979-1992.	3.3	243
6	Positioning of bone marrow hematopoietic and stromal cells relative to blood flow in vivo: serially reconstituting hematopoietic stem cells reside in distinct nonperfused niches. <i>Blood</i> , 2010, 116, 375-385.	0.6	228
7	Granulocyte colony-stimulating factor induces the release in the bone marrow of proteases that cleave c-KIT receptor (CD117) from the surface of hematopoietic progenitor cells. <i>Experimental Hematology</i> , 2003, 31, 109-117.	0.2	176
8	Hematopoietic stem cell mobilizing agents G-CSF, cyclophosphamide or AMD3100 have distinct mechanisms of action on bone marrow HSC niches and bone formation. <i>Leukemia</i> , 2012, 26, 1594-1601.	3.3	136
9	Neurological heterotopic ossification following spinal cord injury is triggered by macrophage-mediated inflammation in muscle. <i>Journal of Pathology</i> , 2015, 236, 229-240.	2.1	131
10	Hematopoietic Progenitor Cell Mobilization Results in Hypoxia with Increased Hypoxia-Inducible Transcription Factor-1 α and Vascular Endothelial Growth Factor A in Bone Marrow. <i>Stem Cells</i> , 2007, 25, 1954-1965.	1.4	128
11	Mechanisms of hematopoietic stem cell mobilization: When innate immunity assails the cells that make blood and bone. <i>Experimental Hematology</i> , 2006, 34, 996-1009.	0.2	118
12	Pharmacologic stabilization of HIF-1 α increases hematopoietic stem cell quiescence in vivo and accelerates blood recovery after severe irradiation. <i>Blood</i> , 2013, 121, 759-769.	0.6	109
13	Interaction of c-Myb with p300 is required for the induction of acute myeloid leukemia (AML) by human AML oncogenes. <i>Blood</i> , 2014, 123, 2682-2690.	0.6	103
14	Endothelial E-selectin inhibition improves acute myeloid leukaemia therapy by disrupting vascular niche-mediated chemoresistance. <i>Nature Communications</i> , 2020, 11, 2042.	5.8	99
15	Serine protease inhibitors <i>serpina1</i> and <i>serpina3</i> are down-regulated in bone marrow during hematopoietic progenitor mobilization. <i>Journal of Experimental Medicine</i> , 2005, 201, 1077-1088.	4.2	96
16	Single-Cell Transcriptional Profiling of Aortic Endothelium Identifies a Hierarchy from Endovascular Progenitors to Differentiated Cells. <i>Cell Reports</i> , 2019, 27, 2748-2758.e3.	2.9	96
17	Mobilization with granulocyte colony-stimulating factor blocks medullar erythropoiesis by depleting F4/80+VCAM1+CD169+ER-HR3+Ly6G+ erythroid island macrophages in the mouse. <i>Experimental Hematology</i> , 2014, 42, 547-561.e4.	0.2	82
18	Cellular players of hematopoietic stem cell mobilization in the bone marrow niche. <i>International Journal of Hematology</i> , 2017, 105, 129-140.	0.7	78

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19	Self-repopulating recipient bone marrow resident macrophages promote long-term hematopoietic stem cell engraftment. <i>Blood</i> , 2018, 132, 735-749.	0.6	69
20	Mobilization of hematopoietic stem cells: state of the art. <i>Current Opinion in Organ Transplantation</i> , 2008, 13, 53-58.	0.8	66
21	Tissue engineered humanized bone supports human hematopoiesis in vivo. <i>Biomaterials</i> , 2015, 61, 103-114.	5.7	62
22	Detection and Molecular Characterisation of Feline Foamy Virus Serotypes in Naturally Infected Cats. <i>Virology</i> , 1998, 247, 144-151.	1.1	56
23	A novel mouse model of veno-occlusive disease provides strategies to prevent thioguanine-induced hepatic toxicity. <i>Gut</i> , 2013, 62, 594-605.	6.1	48
24	Tissue Inhibitor of Metalloproteinase-3 (TIMP-3) Regulates Hematopoiesis and Bone Formation In Vivo. <i>PLoS ONE</i> , 2010, 5, e13086.	1.1	47
25	Construction of Infectious Feline Foamy Virus Genomes: Cat Antisera Do Not Cross-Neutralize Feline Foamy Virus Chimera with Serotype-Specific Env Sequences. <i>Virology</i> , 2000, 266, 150-156.	1.1	46
26	HIF-1 α is required for hematopoietic stem cell mobilization and 4-prolyl hydroxylase inhibitors enhance mobilization by stabilizing HIF-1 α . <i>Leukemia</i> , 2015, 29, 1366-1378.	3.3	45
27	Hierarchy of immature hematopoietic cells related to blood flow and niche. <i>Current Opinion in Hematology</i> , 2011, 18, 220-225.	1.2	41
28	Adhesion to E-selectin promotes growth inhibition and apoptosis of human and murine hematopoietic progenitor cells independent of PSGL-1. <i>Blood</i> , 2004, 103, 1685-1692.	0.6	39
29	B-lymphopoiesis is stopped by mobilizing doses of G-CSF and is rescued by overexpression of the anti-apoptotic protein Bcl2. <i>Haematologica</i> , 2013, 98, 325-333.	1.7	38
30	CD169 ⁺ macrophages mediate pathological formation of woven bone in skeletal lesions of prostate cancer. <i>Journal of Pathology</i> , 2016, 239, 218-230.	2.1	37
31	Hypoxia inducible factor (HIF)-2 α accelerates disease progression in mouse models of leukemia and lymphoma but is not a poor prognosis factor in human AML. <i>Leukemia</i> , 2015, 29, 2075-2085.	3.3	36
32	Acute Myeloid Leukemia Chemo-Resistance Is Mediated by E-selectin Receptor CD162 in Bone Marrow Niches. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 668.	1.8	32
33	Contrasting effects of P-selectin and E-selectin on the differentiation of murine hematopoietic progenitor cells. <i>Experimental Hematology</i> , 2005, 33, 232-242.	0.2	25
34	A rapid streptavidin-capture ELISA specific for the detection of antibodies to feline foamy virus. <i>Journal of Immunological Methods</i> , 1997, 207, 69-77.	0.6	24
35	Mobilization of Hematopoietic Stem Cells by Depleting Bone Marrow Macrophages. <i>Methods in Molecular Biology</i> , 2012, 904, 117-138.	0.4	23
36	Imaging flow cytometry reveals that granulocyte colony-stimulating factor treatment causes loss of erythroblastic islands in the mouse bone marrow. <i>Experimental Hematology</i> , 2020, 82, 33-42.	0.2	23

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37	Granulocyte Colony-Stimulating Factor and an RAR?? Specific Agonist, VTP195183, Synergize to Enhance the Mobilization of Hematopoietic Progenitor Cells. <i>Transplantation</i> , 2007, 83, 375-384.	0.5	21
38	Fms-like tyrosine kinase 3 (Flt3) ligand depletes erythroid island macrophages and blocks medullar erythropoiesis in the mouse. <i>Experimental Hematology</i> , 2016, 44, 207-212.e4.	0.2	20
39	Vascular Niche E-Selectin Protects Acute Myeloid Leukaemia Stem Cells from Chemotherapy. <i>Blood</i> , 2014, 124, 620-620.	0.6	20
40	It takes nerves to recover from chemotherapy. <i>Nature Medicine</i> , 2013, 19, 669-671.	15.2	18
41	Mobilization of hematopoietic stem cells with highest self-renewal by G-CSF precedes clonogenic cell mobilization peak. <i>Experimental Hematology</i> , 2016, 44, 303-314.e1.	0.2	18
42	Flow Cytometry Analysis of Cell Cycling and Proliferation in Mouse Hematopoietic Stem and Progenitor Cells. <i>Methods in Molecular Biology</i> , 2012, 844, 31-43.	0.4	16
43	Cell Adhesion Molecules in Normal and Malignant Hematopoiesis: from Bench to Bedside. <i>Current Stem Cell Reports</i> , 2016, 2, 356-367.	0.7	16
44	HIF prolyl hydroxylase inhibitor FG-4497 enhances mouse hematopoietic stem cell mobilization via VEGFR2/KDR. <i>Blood Advances</i> , 2019, 3, 406-418.	2.5	16
45	Nichotherapy for stem cells: There goes the neighborhood. <i>BioEssays</i> , 2013, 35, 183-190.	1.2	14
46	Bacterial Lipopolysaccharides Suppress Erythroblastic Islands and Erythropoiesis in the Bone Marrow in an Extrinsic and G- CSF-, IL-1-, and TNF-Independent Manner. <i>Frontiers in Immunology</i> , 2020, 11, 583550.	2.2	13
47	Oncostatin M regulates hematopoietic stem cell (HSC) niches in the bone marrow to restrict HSC mobilization. <i>Leukemia</i> , 2022, 36, 333-347.	3.3	10
48	Macrophages form erythropoietic niches and regulate iron homeostasis to adapt erythropoiesis in response to infections and inflammation. <i>Experimental Hematology</i> , 2021, 103, 1-14.	0.2	9
49	Mobilisation strategies for normal and malignant cells. <i>Pathology</i> , 2011, 43, 547-565.	0.3	8
50	Role of macrophages and phagocytes in orchestrating normal and pathologic hematopoietic niches. <i>Experimental Hematology</i> , 2021, 100, 12-31.e1.	0.2	8
51	Flow Cytometry Measurement of Bone Marrow Perfusion in the Mouse and Sorting of Progenitors and Stems Cells According to Position Relative to Blood Flow In Vivo. <i>Methods in Molecular Biology</i> , 2012, 844, 45-63.	0.4	8
52	Administration Of E-Selectin Antagonist GMI-1271 Improves Survival After High-Dose Chemotherapy By Alleviating Mucositis and Accelerating Neutrophil Recovery. <i>Blood</i> , 2013, 122, 2266-2266.	0.6	7
53	Vascular E-Selectin Protects Leukemia Cells from Chemotherapy By Directly Activating Pro-Survival NF-Kb Signalling - Therapeutic Blockade of E-Selectin Dampens NF-Kb Activation. <i>Blood</i> , 2016, 128, 2823-2823.	0.6	7
54	Prostacyclin is an Endosteal Bone Marrow Niche Component and its Clinical Analog Iloprost Protects Hematopoietic Stem Cell Potential During Stress. <i>Stem Cells</i> , 2021, 39, 1532-1545.	1.4	4

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55	Antibody to Human Foamy Virus Not Detected in Individuals Treated with Blood Products or in Blood Donors. <i>Vox Sanguinis</i> , 2000, 79, 118-119.	0.7	3
56	Engraftment Outcomes after HPC Co-Culture with Mesenchymal Stromal Cells and Osteoblasts. <i>Journal of Clinical Medicine</i> , 2013, 2, 115-135.	1.0	3
57	Inteligência artificial e virtualização em ambientes virtuais de ensino e aprendizagem. <i>ETD: Educação Tecnológica Digital</i> , 2021, 23, 2-19.	0.0	3
58	Prostaglandin I2 in the Endosteal Bone Marrow Niche As a Novel Regulator of Hematopoietic Stem Cells. <i>Blood</i> , 2018, 132, 2575-2575.	0.6	3
59	Hematopoietic stem cell mobilization and erythropoiesis suppression in response to lipopolysaccharides involve two distinct TLR4-dependent mechanisms with different requirement for G-CSF receptors. <i>Experimental Hematology</i> , 2016, 44, S60.	0.2	2
60	Adhesion to E-selectin primes macrophages for activation through AKT and mTOR. <i>Immunology and Cell Biology</i> , 2021, 99, 622-639.	1.0	2
61	Oncostatin M Is a Novel Niche Factor That Restrains Hematopoietic Stem Cell Mobilization in Response to G-CSF and CXCR4 Antagonist Plerixafor. <i>Blood</i> , 2019, 134, 4469-4469.	0.6	2
62	Blocking Vascular Niche E-Selectin Dampens AML Stem Cell Regeneration/Survival Potential In Vivo By Inhibiting MAPK/ERK and PI3K/AKT Signalling Pathways. <i>Blood</i> , 2019, 134, 2657-2657.	0.6	2
63	Absence of E-Selectin at the Vascular Niche Delays Hematopoietic Stem Cell Turn-Over.. <i>Blood</i> , 2007, 110, 609-609.	0.6	2
64	Impairment of Hematopoietic Stem Cell (HSC) Niche by G-CSF Is Associated with Rapid Mobilization of Serially Reconstituting HSC and Reduced Competitive Repopulation of Mobilized Bone Marrow. <i>Blood</i> , 2011, 118, 1889-1889.	0.6	2
65	FG-4497, a Pharmacological Stabilizer of HIF-1 β Protein, Synergistically Enhances Hematopoietic Stem Cells (HSC) Mobilization in Response to G-CSF and Plerixafor. <i>Blood</i> , 2012, 120, 216-216.	0.6	2
66	Mobilisation of Reconstituting HSC Is Boosted By Synergy Between G-CSF and E-Selectin Antagonist GMI-1271.. <i>Blood</i> , 2014, 124, 317-317.	0.6	2
67	Radio-resistant recipient bone marrow (BM) macrophages (MACS) are necessary for hematopoietic stem cell (HSC) engraftment post transplantation. <i>Experimental Hematology</i> , 2016, 44, S43-S44.	0.2	1
68	Prostaglandin I2 is produced in the endosteal region of the bone marrow and protects haematopoietic stem cell from irradiation stress. <i>Experimental Hematology</i> , 2016, 44, S102-S103.	0.2	1
69	The Inhibition of the Osteoblast Niche during Hematopoietic Stem Cell Mobilization Is an Indirect Effect Involving Mature Bone Marrow Leukocytes, IL6 and Soluble IL6 Receptor.. <i>Blood</i> , 2005, 106, 1966-1966.	0.6	1
70	Mobilization of CD8+ Central Memory T-Cells with Enhanced Reconstitution Potential in Mice By a Combination of G-CSF and GMI-1271-Mediated E-Selectin Blockade. <i>Blood</i> , 2015, 126, 512-512.	0.6	1
71	OsteoMacs maintain the endosteal hematopoietic stem cell niche and participate in mobilization. <i>Bone</i> , 2009, 44, S32-S33.	1.4	0
72	Pharmacological stabilization of hypoxia-inducible factor-1 β (HIF-1 β) enhances hematopoietic stem cell mobilization in response to G-CSF and plerixafor. <i>Experimental Hematology</i> , 2013, 41, S73.	0.2	0

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73	Mobilising doses of G-CSF stop medullary erythropoiesis by depleting CD169+ macrophages. <i>Experimental Hematology</i> , 2013, 41, S59.	0.2	0
74	Bacterial liposaccharides block medullary erythropoiesis by depleting F4/80+ VCAM1+ CD169+ ER-HR3+ Ly-6G+ erythroid island macrophages in the bone marrow. <i>Experimental Hematology</i> , 2014, 42, S40.	0.2	0
75	Autologous haematopoietic stem cell transplantation requires recipient BM macrophages. <i>Experimental Hematology</i> , 2015, 43, S71.	0.2	0
76	358 Alleviation of Acute Drug-Induced Liver Injury Following Acetaminophen Overdose by Therapeutic Blockade of E-Selectin in Preclinical Mouse Model. <i>Gastroenterology</i> , 2016, 150, S1029.	0.6	0
77	Therapeutic blockade of macrophage colony stimulating factor (CSF-1) delays leukaemia progression of AML in mice in vivo. <i>Experimental Hematology</i> , 2016, 44, S42.	0.2	0
78	MACROPHAGE INVOLVEMENT IN THE RESPONSE OF ACUTE MYELOID LEUKAEMIA TO CHEMOTHERAPY. <i>Experimental Hematology</i> , 2019, 76, S70.	0.2	0
79	The Role of Tissue Inhibitor of Metalloproteinase-3 (TIMP-3) in Hematopoiesis. <i>Blood</i> , 2008, 112, 1362-1362.	0.6	0
80	Interaction of c-Myb with p300 Is Required for the Induction of Acute Myeloid Leukemia by Human AML Oncogenes, and Represents a Potential Therapeutic Target.. <i>Blood</i> , 2012, 120, 2402-2402.	0.6	0
81	Hypoxia Inducible Factor (HIF)-2 α Enhances Proliferation Of Malignant Hematopoietic Cells In The Hypoxic Malignant Bone Marrow. <i>Blood</i> , 2013, 122, 2895-2895.	0.6	0
82	Mobilizing Doses Of G-CSF Stop Medullary Erythropoiesis By Depleting F4/80+ VCAM1+ ER-HR3+ CD169+ Erythroid-Island Macrophages. <i>Blood</i> , 2013, 122, 309-309.	0.6	0
83	Suppression of Medullar Erythropoiesis in Response to Bacterial Lipopolysaccharides (LPS) Involves Two Distinct TLR4-Dependent Mechanisms with Contrasted Requirements for G-CSF Receptors. <i>Blood</i> , 2016, 128, 546-546.	0.6	0
84	Therapeutic Blockade of Macrophage Colony Stimulating Factor (CSF-1) Delays AML Progression in Mice In Vivo. <i>Blood</i> , 2016, 128, 2835-2835.	0.6	0
85	Vascular E-Selectin Acts As a Gatekeeper Inducing Commitment and Loss of Self-Renewal in HSC Transmigrating through the Marrow Vasculature. <i>Blood</i> , 2018, 132, 4552-4552.	0.6	0
86	CD162 Is a Key E-Selectin Receptor Promoting Acute Myeloid Leukemia Chemo-Resistance in the Bone Marrow Niche. <i>Blood</i> , 2019, 134, 907-907.	0.6	0