Anna Janowska-Wieczorek

List of Publications by Year
in descending order

83 papers	7,410 citations	94269 37 h-index	71532 76 g-index
84 all docs	84 docs citations	84 times ranked	9264 citing authors

#	Article	IF	Citations
1	Trafficking of Normal Stem Cells and Metastasis of Cancer Stem Cells Involve Similar Mechanisms: Pivotal Role of the SDF-1-CXCR4 Axis. Stem Cells, 2005, 23, 879-894.	1.4	709
2	Microvesicles derived from activated platelets induce metastasis and angiogenesis in lung cancer. International Journal of Cancer, 2005, 113, 752-760.	2.3	668
3	Migration of Bone Marrow and Cord Blood Mesenchymal Stem Cells In Vitro Is Regulated by Stromal-Derived Factor-1-CXCR4 and Hepatocyte Growth Factor-c-met Axes and Involves Matrix Metalloproteinases. Stem Cells, 2006, 24, 1254-1264.	1.4	586
4	Numerous growth factors, cytokines, and chemokines are secreted by human CD34+ cells, myeloblasts, erythroblasts, and megakaryoblasts and regulate normal hematopoiesis in an autocrine/paracrine manner. Blood, 2001, 97, 3075-3085.	0.6	457
5	CXCR4â€“SDF-1 signaling is active in rhabdomyosarcoma cells and regulates locomotion, chemotaxis, and adhesion. Blood, 2002, 100, 2597-2606.	0.6	289
6	Platelet-derived microparticles stimulate proliferation, survival, adhesion, and chemotaxis of hematopoietic cells. Experimental Hematology, 2002, 30, 450-459.	0.2	287
7	Mesenchymal stromal cells derived from various tissues: Biological, clinical and cryopreservation aspects. Cryobiology, 2015, 71, 181-197.	0.3	278
8	Elucidation of CXCR7-Mediated Signaling Events and Inhibition of CXCR4-Mediated Tumor Cell Transendothelial Migration by CXCR7 Ligands. Journal of Immunology, 2009, 183, 3204-3211.	0.4	263
9	Enhancing the Migration Ability of Mesenchymal Stromal Cells by Targeting the SDF-1/CXCR4 Axis. BioMed Research International, 2013, 2013, 1-15.	0.9	240
10	Expression of Functional CXCR4 by Muscle Satellite Cells and Secretion of SDF-1 by Muscle-Derived Fibroblasts is Associated with the Presence of Both Muscle Progenitors in Bone Marrow and Hematopoietic Stem/Progenitor Cells in Muscles. Stem Cells, 2003, 21, 363-371.	1.4	234
11	Incorporation of CXCR4 into membrane lipid rafts primes homing-related responses of hematopoietic stem/progenitor cells to an SDF-1 gradient. Blood, 2005, 105, 40-48.	0.6	234
12	Functional receptor for C3a anaphylatoxin is expressed by normal hematopoietic stem/progenitor cells, and C3a enhances their homing-related responses to SDF-1. Blood, 2003, 101, 3784-3793.	0.6	217
13	Tissue-specific muscle, neural and liver stem/progenitor cells reside in the bone marrow, respond to an SDF-1 gradient and are mobilized into peripheral blood during stress and tissue injury. Blood Cells, Molecules, and Diseases, 2004, 32, 52-57.	0.6	214
14	The SDF-1-CXCR4 Axis Stimulates VEGF Secretion and Activates Integrins but does not Affect Proliferation and Survival in Lymphohematopoietic Cells. Stem Cells, 2001, 19, 453-466.	1.4	208
15	Mobilization studies in mice deficient in either C3 or C3a receptor (C3aR) reveal a novel role for complement in retention of hematopoietic stem/progenitor cells in bone marrow. Blood, 2004, 103, 2071-2078.	0.6	167
16	Biology of the hemopoietic microenvironment. European Journal of Haematology, 1992, 49, 225-233.	1.1	167
17	Enhancing effect of platelet-derived microvesicles on the invasive potential of breast cancer cells. Transfusion, 2006, 46, 1199-1209.	0.8	157
18	Both hepatocyte growth factor (HGF) and stromal-derived factor-1 regulate the metastatic behavior of human rhabdomyosarcoma cells, but only HGF enhances their resistance to radiochemotherapy. Cancer Research, 2003, 63, 7926-35.	0.4	152

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19	Multidrug resistance in haemopoietic cell lines, myelodysplastic syndromes and acute myeloblastic leukaemia. British Journal of Haematology, 1989, 72, 40-44.	1.2	148
20	Expression of matrix metalloproteinases (MMP-2 and -9) and tissue inhibitors of metalloproteinases (TIMP-1 and -2) in acute myelogenous leukaemia blasts: comparison with normal bone marrow cells. British Journal of Haematology, 1999, 105, 402-411.	1.2	100
21	Reovirus therapy of lymphoid malignancies. Blood, 2002, 100, 4146-4153.	0.6	100
22	Autocrine/Paracrine Mechanisms in Human Hematopoiesis. Stem Cells, 2001, 19, 99-107.	1.4	99
23	Leukemia Inhibitory Factor: A Newly Identified Metastatic Factor in Rhabdomyosarcomas. Cancer Research, 2007, 67, 2131-2140.	0.4	94
24	Monoclonal antibodies against human granulocytes and myeloid differentiation antigens. Human Immunology, 1982, 5, 309-323.	1.2	86
25	Fifth complement cascade protein (C5) cleavage fragments disrupt the SDF-1/CXCR4 axis: Further evidence that innate immunity orchestrates the mobilization of hematopoietic stem/progenitor cells. Experimental Hematology, 2010, 38, 321-332.	0.2	64
26	Thrombopoietin, but not cytokines binding to gp130 protein-coupled receptors, activates MAPKp42/44, AKT, and STAT proteins in normal human CD34+ cells, megakaryocytes, and platelets. Experimental Hematology, 2002, 30, 751-760.	0.2	63
27	Carboxypeptidase M Expressed by Human Bone Marrow Cells Cleaves the C-Terminal Lysine of Stromal Cell-Derived Factor-1 Î±: Another Player in Hematopoietic Stem/Progenitor Cell Mobilization?. Stem Cells, 2008, 26, 1211-1220.	1.4	63
28	The Ins and Outs of Hematopoietic Stem Cells: Studies to Improve Transplantation Outcomes. Stem Cell Reviews and Reports, 2011, 7, 590-607.	5.6	59
29	A Novel Role of Complement in Mobilization: Immunodeficient Mice Are Poor Granulocyte-Colony Stimulating Factor Mobilizers Because They Lack Complement-Activating Immunoglobulins. Stem Cells, 2007, 25, 3093-3100.	1.4	58
30	Mesenchymal stromal cells derived from umbilical cord blood migrate in response to complement C1q. Cytotherapy, 2012, 14, 285-295.	0.3	58
31	Valproic Acid Increases CXCR4 Expression in Hematopoietic Stem/Progenitor Cells by Chromatin Remodeling. Stem Cells and Development, 2009, 18, 831-838.	1.1	54
32	Biological significance of MAPK, AKT and JAK-STAT protein activation by various erythropoietic factors in normal human early erythroid cells. British Journal of Haematology, 2001, 115, 195-204.	1.2	53
33	Microscope-based label-free microfluidic cytometry. Optics Express, 2011, 19, 387.	1.7	52
34	Expression of the active form of MMP-2 on the surface of leukemic cells accounts for their in vitro invasion. Journal of Cancer Research and Clinical Oncology, 1998, 124, 245-252.	1.2	42
35	Circulating CXCR4-positive stem/progenitor cells compete for SDF-1-positive niches in bone marrow, muscle and neural tissues: an alternative hypothesis to stem cell plasticity. Folia Histochemica Et Cytobiologica, 2003, 41, 13-21.	0.6	41
36	Polymeric nanoparticle-mediated silencing of CD44 receptor in CD34+ acute myeloid leukemia cells. Leukemia Research, 2014, 38, 1299-1308.	0.4	40

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37	MT1-MMP association with membrane lipid rafts facilitates G-CSFâˆ'induced hematopoietic stem/progenitor cell mobilization. Experimental Hematology, 2010, 38, 823-835.	0.2	38
38	CXCR4 transfection of cord blood mesenchymal stromal cells with the use of cationic liposome enhances their migration toward stromal cellâ€"derived factor-1. Cytotherapy, 2013, 15, 840-849.	0.3	38
39	Matrix Metalloproteinases and Their Tissue Inhibitors - Expression, Role and Regulation in Human Malignant Non-Hodgkin's Lymphomas. Leukemia and Lymphoma, 2000, 39, 485-493.	0.6	32
40	Progress in RNAi-mediated Molecular Therapy of Acute and Chronic Myeloid Leukemia. Molecular Therapy - Nucleic Acids, 2015, 4, e240.	2.3	31
41	Recombinant human erythropoietin for a Jehovah's witness with anemia of thermal injury. American Journal of Hematology, 1991, 37, 53-54.	2.0	30
42	Matrix Metalloproteinases in the Hematopoietic Microenvironment. Hematology, 1999, 4, 515-527.	0.7	30
43	Complement C1q enhances homingâ€related responses of hematopoietic stem/progenitor cells. Transfusion, 2010, 50, 2002-2010.	0.8	28
44	Unstimulated human acute myelogenous leukemia blasts secrete matrix metalloproteinases. Journal of Cancer Research and Clinical Oncology, 1997, 123, 100-106.	1.2	25
45	Cationic Liposome-MediatedCXCR4Gene Delivery into Hematopoietic Stem/Progenitor Cells: Implications for Clinical Transplantation and Gene Therapy. Stem Cells and Development, 2012, 21, 1587-1596.	1.1	25
46	Encapsulation of factor IXâ€"engineered mesenchymal stem cells in fibrinogenâ€"alginate microcapsules enhances their viability and transgene secretion. Journal of Tissue Engineering, 2012, 3, 204173141246201.	2.3	24
47	Migration, Proliferation, and Differentiation of Cord Blood Mesenchymal Stromal Cells Treated with Histone Deacetylase Inhibitor Valproic Acid. Stem Cells International, 2014, 2014, 1-14.	1.2	23
48	Novel evidence that pituitary gonadotropins directly stimulate human leukemic cells-studies of myeloid cell lines and primary patient AML and CML cells. Oncotarget, 2016, 7, 3033-3046.	0.8	21
49	Monoclonal antibody specific for granulocytic-lineage cells and reactive with human pluripotent and committed haematopoietic progenitor cells. British Journal of Haematology, 1984, 58, 159-168.	1.2	20
50	Persistence of cytomegalovirus in human long-term bone marrow culture: Relationship to hemopoiesis. Journal of Medical Virology, 1991, 35, 76-84.	2.5	20
51	Platelet-derived microparticles bind to hematopoietic stem/progenitor cells and enhance their engraftment. Blood, 2001, 98, 3143-3149.	0.6	20
52	The limited infectability by R5 HIV of CD34+ cells from thymus, cord, and peripheral blood and bone marrow is explained by their ability to produce Î²-chemokines. Experimental Hematology, 2000, 28, 1334-1342.	0.2	19
53	Valproic acid exerts differential effects on CXCR4 expression in leukemic cells. Leukemia Research, 2010, 34, 235-242.	0.4	19
54	Physical characterization of hematopoietic stem cells using multidirectional label-free light scatterings. Optics Express, 2016, 24, 28877.	1.7	18

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55	Cell-matrix Interactions of Factor IX (FIX)-engineered human mesenchymal stromal cells encapsulated in RGD-alginate vs. Fibrinogen-alginate microcapsules. Artificial Cells, Nanomedicine and Biotechnology, 2014, 42, 102-109.	1.9	14
56	The role of complement in the trafficking of hematopoietic stem/progenitor cells. Transfusion, 2012, 52, 2706-2716.	0.8	12
57	Fibronectin-Alginate microcapsules improve cell viability and protein secretion of encapsulated Factor IX-engineered human mesenchymal stromal cells. Artificial Cells, Nanomedicine and Biotechnology, 2015, 43, 318-327.	1.9	12
58	The Hematopoietic Microenvironment: Matrix Metalloproteinases in the Hematopoietic Microenvironment. Hematology, 2000, 4, 515-527.	0.7	12
59	Sustained expression of coagulation factor IX by modified cord bloodâ€derived mesenchymal stromal cells. Journal of Gene Medicine, 2014, 16, 131-142.	1.4	9
60	Further evidence that paroxysmal nocturnal haemoglobinuria is a disorder of defective cell membrane lipid rafts. Journal of Cellular and Molecular Medicine, 2015, 19, 2193-2201.	1.6	9
61	Decreased Antibodyâ€Dependent Cellular Cytotoxicity in Various Types of Leukaemia in Man. Scandinavian Journal of Haematology, 1981, 27, 181-185.	0.0	7
62	Familial Erythrocytosis. Scandinavian Journal of Haematology, 1979, 23, 217-222.	0.0	5
63	Membrane Type-1 Matrix Metalloproteinase Expression in Acute Myeloid Leukemia and Its Upregulation by Tumor Necrosis Factor-Î±. Cancers, 2012, 4, 743-762.	1.7	5
64	Decreased Antibody-Dependent Cellular Cytotoxicity in Preleukemic Syndromes. Acta Haematologica, 1983, 69, 132-135.	0.7	4
65	Similarities in long-term cultures of blood and bone marrow from patients with acute myelogenous leukemia. International Journal of Cell Cloning, 1991, 9, 461-473.	1.6	4
66	Expression of matrix metalloproteinases (MMP-2 and -9) and tissue inhibitors of metalloproteinases (TIMP-1 and -2) in acute myelogenous leukaemia blasts: comparison with normal bone marrow cells. British Journal of Haematology, 1999, 105, 402-411.	1.2	4
67	Deficiency of mature B and T lymphocyte subsets in the blood of non-Hodgkin lymphoma patients. American Journal of Hematology, 1987, 26, 125-134.	2.0	3
68	A Potential New Application of Mobilization/Leukapheresis for Enrichment of Peripheral Blood in Circulating Non-Hematopoietic CXCR4+CD45â" Tissue-Committed Stem Cells (TCSC) for Organ/Tissue Regeneration.. Blood, 2004, 104, 151-151.	0.6	2
69	CXCR4 Is a PAX Family Transcription Factor Regulated Gene.. Blood, 2004, 104, 4205-4205.	0.6	2
70	The Potent Deacetylase Inhibitor Trichostatin a (TSA) Increases CXCR4 Expression in Hematopoietic Stem/Progenitor Cells by Chromatin Remodelling. Blood, 2008, 112, 3487-3487.	0.6	2
71	Complement Cascade (CC) Cleavage Fragments - C3a and C5a Anaphylatoxins - As New Unexpected Hypoxia-Related Stimulators of Erythropoiesis.. Blood, 2007, 110, 2220-2220.	0.6	1
72	Novel Mechanistic Insight Into Mobilization of Hematopoietic Stem/Progenitor Cells (HSPCs): Complement Cascade and Membrane Attack Complex Activated in Bone Marrow Sinusoids During Mobilization Release From Erythrocytes Sphingosine-1 Phosphate â€" An Underappreciated Chemoattractant Executing Egress of HSPCs.. Blood, 2009, 114, 31-31.	0.6	1

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73	Leukemia Inhibitory Factor: A Newly Identified Chemoattractant and Regulator of Metastasis of Rhabdomyosarcomas and Neuroblastomas to Bone Marrow.. Blood, 2004, 104, 1278-1278.	0.6	1
74	MMP-14 Mediates Migration of Acute Myelogenous Leukemia Cells. Blood, 2008, 112, 2943-2943.	0.6	1
75	CXCR7 Is Expressed in B Acute Lymphoblastic Leukemia (ALL) Cells and Mediates Their Transendothelial Migration.. Blood, 2008, 112, 1916-1916.	0.6	1
76	LIF-LIF-R and SDF-1-CXCR4 Axes Regulate Overlapping and Complementary Steps of Metastasis of Rhabdomyosarcoma - Implication for Developing Better Antimetastatic Therapies.. Blood, 2005, 106, 2296-2296.	0.6	0
77	Mobilization Studies in Immunodeficient Mice Support a Role of Complement in Modulating the Trafficking of Hematopoietic Stem Cells (HSC) - A Pivotal Role of C3 Cleavage Fragments in Retention and C5 Fragments in Mobilization/Egress of HSC.. Blood, 2006, 108, 3375-3375.	0.6	0
78	G-CSF Induces Expression of Both Hepatocyte Growth Factor (HGF) and Its Receptor (c-Met) in Human Hematopoietic Stem/Progenitor Cells and Mature Myeloid Cells - Novel Evidence That during Mobilization the HGF-c-Met Axis Counterbalances G-CSF-Induced Attenuation of the SDF-1-CXCR4 Axis.. Blood, 2007, 110, 2203-2203.	0.6	0
79	C1q Complement Cascade Protein as a Novel Modulator of the SDF-1-CXCR4 Axis and Hematopoietic Stem/Progenitor Cell Trafficking.. Blood, 2007, 110, 1212-1212.	0.6	0
80	The Role of C5a in the Mobilization of Hematopoietic Stem/Progenitor Cells. Blood, 2008, 112, 3472-3472.	0.6	0
81	MT1-MMP Associates with Membrane Lipid Rafts and Is Required for G-CSF-Induced Hematopoietic Stem/Progenitor Cell Mobilization.. Blood, 2009, 114, 3536-3536.	0.6	0
82	Studies in C4b-Deficient Mice Provide Further Evidence That Complement Cascade Orchestrates the Mobilization of Hematopoietic Stem/Progenitor Cells.. Blood, 2012, 120, 2316-2316.	0.6	0
83	A Novel Perspective On Hematopoietic Stem/Progenitor Cell Homing - an Expanding Family of Bone Marrow Homing Factors That Can Support SDF-1-Mediated Homing or Even Replace SDF-1. Blood, 2012, 120, 1247-1247.	0.6	0