

Mariusz Z Ratajczak

List of Publications by Year in descending order

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527
papers

30,370
citations

4641

85
h-index

6630

156
g-index

546
all docs

546
docs citations

546
times ranked

26511
citing authors

#	ARTICLE	IF	CITATIONS
1	Embryonic stem cell-derived microvesicles reprogram hematopoietic progenitors: evidence for horizontal transfer of mRNA and protein delivery. <i>Leukemia</i> , 2006, 20, 847-856.	3.3	1,405
2	Membrane-derived microvesicles: important and underappreciated mediators of cell-to-cell communication. <i>Leukemia</i> , 2006, 20, 1487-1495.	3.3	1,208
3	Mobilization of Bone Marrow-Derived Oct-4+ SSEA-4+ Very Small Embryonic-Like Stem Cells in Patients With Acute Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2009, 53, 1-9.	1.2	835
4	Trafficking of Normal Stem Cells and Metastasis of Cancer Stem Cells Involve Similar Mechanisms: Pivotal Role of the SDF-1-CXCR4 Axis. <i>Stem Cells</i> , 2005, 23, 879-894.	1.4	709
5	Microvesicles derived from activated platelets induce metastasis and angiogenesis in lung cancer. <i>International Journal of Cancer</i> , 2005, 113, 752-760.	2.3	668
6	A population of very small embryonic-like (VSEL) CXCR4+SSEA-1+Oct-4+ stem cells identified in adult bone marrow. <i>Leukemia</i> , 2006, 20, 857-869.	3.3	647
7	CXCR4â€“SDF-1 Signalling, Locomotion, Chemotaxis and Adhesion. <i>Journal of Molecular Histology</i> , 2003, 35, 233-245.	1.0	600
8	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. <i>Stem Cells</i> , 2006, 24, 1254-1264.	1.4	586
9	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. <i>Blood</i> , 2001, 97, 3075-3085.	0.6	457
10	Intracoronary infusion of bone marrow-derived selected CD34+CXCR4+ cells and non-selected mononuclear cells in patients with acute STEMI and reduced left ventricular ejection fraction: results of randomized, multicentre Myocardial Regeneration by Intracoronary Infusion of Selected Population of Stem Cells in Acute Myocardial Infarction (REGENT) Trial. <i>European Heart Journal</i> , 2009, 30, 1313-1321.	1.0	427
11	Mobilization of CD34/CXCR4+, CD34/CD117+, c-met+Stem Cells, and Mononuclear Cells Expressing Early Cardiac, Muscle, and Endothelial Markers Into Peripheral Blood in Patients With Acute Myocardial Infarction. <i>Circulation</i> , 2004, 110, 3213-3220.	1.6	423
12	STK-1, the human homolog of Flk-2/Flt-3, is selectively expressed in CD34+ human bone marrow cells and is involved in the proliferation of early progenitor/stem cells.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 459-463.	3.3	412
13	The pleiotropic effects of the SDF-1â€“CXCR4 axis in organogenesis, regeneration and tumorigenesis. <i>Leukemia</i> , 2006, 20, 1915-1924.	3.3	389
14	Morphological and molecular characterization of novel population of CXCR4+ SSEA-4+ Oct-4+ very small embryonic-like cells purified from human cord blood â€“ preliminary report. <i>Leukemia</i> , 2007, 21, 297-303.	3.3	356
15	Tumour-derived microvesicles carry several surface determinants and mRNA of tumour cells and transfer some of these determinants to monocytes. <i>Cancer Immunology, Immunotherapy</i> , 2006, 55, 808-818.	2.0	341
16	Cells Expressing Early Cardiac Markers Reside in the Bone Marrow and Are Mobilized Into the Peripheral Blood After Myocardial Infarction. <i>Circulation Research</i> , 2004, 95, 1191-1199.	2.0	325
17	Platelet-derived microparticles bind to hematopoietic stem/progenitor cells and enhance their engraftment. <i>Blood</i> , 2001, 98, 3143-3149.	0.6	316
18	In vivo treatment of human leukemia in a scid mouse model with c-myc antisense oligodeoxynucleotides.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 11823-11827.	3.3	315

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19	Stem cell plasticity revisited: CXCR4-positive cells expressing mRNA for early muscle, liver and neural cells "hide out" in the bone marrow. <i>Leukemia</i> , 2004, 18, 29-40.	3.3	309
20	Platelet- and megakaryocyte-derived microparticles transfer CXCR4 receptor to CXCR4-null cells and make them susceptible to infection by X4-HIV. <i>Aids</i> , 2003, 17, 33-42.	1.0	290
21	CXCR4 "SDF-1 signaling is active in rhabdomyosarcoma cells and regulates locomotion, chemotaxis, and adhesion. <i>Blood</i> , 2002, 100, 2597-2606.	0.6	289
22	Platelet-derived microparticles stimulate proliferation, survival, adhesion, and chemotaxis of hematopoietic cells. <i>Experimental Hematology</i> , 2002, 30, 450-459.	0.2	287
23	Pivotal role of paracrine effects in stem cell therapies in regenerative medicine: can we translate stem cell-secreted paracrine factors and microvesicles into better therapeutic strategies?. <i>Leukemia</i> , 2012, 26, 1166-1173.	3.3	274
24	Nucleic Acid Therapeutics: State of the Art and Future Prospects. <i>Blood</i> , 1998, 92, 712-736.	0.6	239
25	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. <i>Stem Cells</i> , 2003, 21, 363-371.	1.4	234
26	Incorporation of CXCR4 into membrane lipid rafts primes homing-related responses of hematopoietic stem/progenitor cells to an SDF-1 gradient. <i>Blood</i> , 2005, 105, 40-48.	0.6	234
27	Novel insight into stem cell mobilization-Plasma sphingosine-1-phosphate is a major chemoattractant that directs the egress of hematopoietic stem progenitor cells from the bone marrow and its level in peripheral blood increases during mobilization due to activation of complement cascade/membrane attack complex. <i>Leukemia</i> , 2010, 24, 976-985.	3.3	228
28	Functional receptor for C3a anaphylatoxin is expressed by normal hematopoietic stem/progenitor cells, and C3a enhances their homing-related responses to SDF-1. <i>Blood</i> , 2003, 101, 3784-3793.	0.6	217
29	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. <i>Blood Cells, Molecules, and Diseases</i> , 2004, 32, 52-57.	0.6	214
30	The SDF-1-CXCR4 Axis Stimulates VEGF Secretion and Activates Integrins but does not Affect Proliferation and Survival in Lymphohematopoietic Cells. <i>Stem Cells</i> , 2001, 19, 453-466.	1.4	208
31	A hypothesis for an embryonic origin of pluripotent Oct-4+ stem cells in adult bone marrow and other tissues. <i>Leukemia</i> , 2007, 21, 860-867.	3.3	204
32	Clinical Evidence That Very Small Embryonic-Like Stem Cells Are Mobilized Into Peripheral Blood in Patients After Stroke. <i>Stroke</i> , 2009, 40, 1237-1244.	1.0	197
33	Lung cancer secreted microvesicles: Underappreciated modulators of microenvironment in expanding tumors. <i>International Journal of Cancer</i> , 2009, 125, 1595-1603.	2.3	193
34	SARS-CoV-2 infection and overactivation of Nlrp3 inflammasome as a trigger of cytokine "storm" and risk factor for damage of hematopoietic stem cells. <i>Leukemia</i> , 2020, 34, 1726-1729.	3.3	179
35	Bone marrow as a home of heterogenous populations of nonhematopoietic stem cells. <i>Leukemia</i> , 2005, 19, 1118-1127.	3.3	178
36	S1P promotes murine progenitor cell egress and mobilization via S1P1-mediated ROS signaling and SDF-1 release. <i>Blood</i> , 2012, 119, 2478-2488.	0.6	175

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37	Exosomes: an overview of biogenesis, composition and role in ovarian cancer. <i>Journal of Ovarian Research</i> , 2014, 7, 14.	1.3	172
38	Differential MMP and TIMP production by human marrow and peripheral blood CD34+ cells in response to chemokines. <i>Experimental Hematology</i> , 2000, 28, 1274-1285.	0.2	168
39	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. <i>Blood</i> , 2004, 103, 2071-2078.	0.6	167
40	Extracellular microvesicles/exosomes: discovery, disbelief, acceptance, and the future?. <i>Leukemia</i> , 2020, 34, 3126-3135.	3.3	162
41	Novel epigenetic mechanisms that control pluripotency and quiescence of adult bone marrow-derived Oct4+ very small embryonic-like stem cells. <i>Leukemia</i> , 2009, 23, 2042-2051.	3.3	159
42	Enhancing effect of platelet-derived microvesicles on the invasive potential of breast cancer cells. <i>Transfusion</i> , 2006, 46, 1199-1209.	0.8	157
43	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. <i>Cancer Research</i> , 2003, 63, 7926-35.	0.4	152
44	Bone marrow as a source of circulating CXCR4+ tissue-committed stem cells. <i>Biology of the Cell</i> , 2005, 97, 133-146.	0.7	150
45	Transplantation of Bone Marrow-Derived Very Small Embryonic-Like Stem Cells Attenuates Left Ventricular Dysfunction and Remodeling After Myocardial Infarction. <i>Stem Cells</i> , 2008, 26, 1646-1655.	1.4	138
46	Stromal-derived factor 1 and thrombopoietin regulate distinct aspects of human megakaryopoiesis. <i>Blood</i> , 2000, 96, 4142-4151.	0.6	134
47	Role of the KIT protooncogene in normal and malignant human hematopoiesis.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 1710-1714.	3.3	133
48	SARS-CoV-2 Entry Receptor ACE2 Is Expressed on Very Small CD45 ^{hi} Precursors of Hematopoietic and Endothelial Cells and in Response to Virus Spike Protein Activates the Nlrp3 Inflammasome. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 266-277.	1.7	132
49	Cells enriched in markers of neural tissue-committed stem cells reside in the bone marrow and are mobilized into the peripheral blood following stroke. <i>Leukemia</i> , 2006, 20, 18-28.	3.3	131
50	Evidence That Very Small Embryonic-Like Stem Cells Are Mobilized into Peripheral Blood. <i>Stem Cells</i> , 2008, 26, 2083-2092.	1.4	130
51	Megakaryocyte precursors, megakaryocytes and platelets express the HIV co-receptor CXCR4 on their surface: determination of response to stromal-derived factor-1 by megakaryocytes and platelets. <i>British Journal of Haematology</i> , 1999, 104, 220-229.	1.2	128
52	Stromal cell-derived factor-1 and macrophage-derived chemokine: 2 chemokines that activate platelets. <i>Blood</i> , 2000, 96, 50-57.	0.6	127
53	Impaired mobilization of hematopoietic stem/progenitor cells in C5-deficient mice supports the pivotal involvement of innate immunity in this process and reveals novel promobilization effects of granulocytes. <i>Leukemia</i> , 2009, 23, 2052-2062.	3.3	127
54	Horizontal transfer of RNA and proteins between cells by extracellular microvesicles: 14 years later. <i>Clinical and Translational Medicine</i> , 2016, 5, 7.	1.7	127

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55	Very small embryonic-like stem cells are present in adult murine organs: ImageStream-based morphological analysis and distribution studies. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2008, 73A, 1116-1127.	1.1	121
56	SDF-1 Responsiveness Does Not Correlate With CXCR4 Expression Levels of Developing Human Bone Marrow B Cells. <i>Blood</i> , 1999, 94, 2990-2998.	0.6	120
57	Very small embryonic-like stem cells: Characterization, developmental origin, and biological significance. <i>Experimental Hematology</i> , 2008, 36, 742-751.	0.2	120
58	Conditioning for hematopoietic transplantation activates the complement cascade and induces a proteolytic environment in bone marrow: a novel role for bioactive lipids and soluble C5b-C9 as homing factors. <i>Leukemia</i> , 2012, 26, 106-116.	3.3	115
59	Adult murine bone marrow-derived very small embryonic-like stem cells differentiate into the hematopoietic lineage after coculture over OP9 stromal cells. <i>Experimental Hematology</i> , 2011, 39, 225-237.	0.2	113
60	A novel view of the adult bone marrow stem cell hierarchy and stem cell trafficking. <i>Leukemia</i> , 2015, 29, 776-782.	3.3	112
61	Macrophage Migration Inhibitory Factor Is Secreted by Rhabdomyosarcoma Cells, Modulates Tumor Metastasis by Binding to CXCR4 and CXCR7 Receptors and Inhibits Recruitment of Cancer-Associated Fibroblasts. <i>Molecular Cancer Research</i> , 2010, 8, 1328-1343.	1.5	109
62	Identification of very small embryonic like (VSEL) stem cells in bone marrow. <i>Cell and Tissue Research</i> , 2008, 331, 125-134.	1.5	107
63	Innate immunity as orchestrator of stem cell mobilization. <i>Leukemia</i> , 2010, 24, 1667-1675.	3.3	107
64	A Novel View of the Adult Stem Cell Compartment From the Perspective of a Quiescent Population of Very Small Embryonic-Like Stem Cells. <i>Circulation Research</i> , 2017, 120, 166-178.	2.0	105
65	Hyperactivation of P2X7 receptors as a culprit of COVID-19 neuropathology. <i>Molecular Psychiatry</i> , 2021, 26, 1044-1059.	4.1	104
66	TNF- α Is Critical to Facilitate Hemopoietic Stem Cell Engraftment and Function. <i>Journal of Immunology</i> , 2008, 180, 49-57.	0.4	102
67	Very Small Embryonic-Like Stem Cells (VSELs). <i>Circulation Research</i> , 2019, 124, 208-210.	2.0	102
68	Very Small Embryonic-Like (VSEL) Stem Cells: Purification from Adult Organs, Characterization, and Biological Significance. <i>Stem Cell Reviews and Reports</i> , 2008, 4, 89-99.	5.6	101
69	The role of stromal-derived factor-1 α CXCR7 axis in development and cancer. <i>European Journal of Pharmacology</i> , 2009, 625, 31-40.	1.7	101
70	A novel perspective on stem cell homing and mobilization: review on bioactive lipids as potent chemoattractants and cationic peptides as underappreciated modulators of responsiveness to SDF-1 gradients. <i>Leukemia</i> , 2012, 26, 63-72.	3.3	101
71	Autocrine/Paracrine Mechanisms in Human Hematopoiesis. <i>Stem Cells</i> , 2001, 19, 99-107.	1.4	99
72	α Small stem cells in adult tissues: Very small embryonic-like stem cells stand up!. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2009, 75A, 4-13.	1.1	98

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73	Morphological characterization of very small embryonic-like stem cells (VSELs) by ImageStream system analysis. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 292-303.	1.6	97
74	Very small embryonic-like (VSEL) stem cells in adult organs and their potential role in rejuvenation of tissues and longevity. <i>Experimental Gerontology</i> , 2008, 43, 1009-1017.	1.2	96
75	Molecular signature of adult bone marrow-purified very small embryonic-like stem cells supports their developmental epiblast/germ line origin. <i>Leukemia</i> , 2010, 24, 1450-1461.	3.3	96
76	Transplantation studies in C3-deficient animals reveal a novel role of the third complement component (C3) in engraftment of bone marrow cells. <i>Leukemia</i> , 2004, 18, 1482-1490.	3.3	94
77	Leukemia Inhibitory Factor: A Newly Identified Metastatic Factor in Rhabdomyosarcomas. <i>Cancer Research</i> , 2007, 67, 2131-2140.	0.4	94
78	Prospective Identification and Skeletal Localization of Cells Capable of Multilineage Differentiation In Vivo. <i>Stem Cells and Development</i> , 2010, 19, 1557-1570.	1.1	94
79	Withaferin A Alone and in Combination with Cisplatin Suppresses Growth and Metastasis of Ovarian Cancer by Targeting Putative Cancer Stem Cells. <i>PLoS ONE</i> , 2014, 9, e107596.	1.1	94
80	The role of insulin (INS) and insulin-like growth factor-I (IGF-I) in regulating human erythropoiesis. Studies in vitro under serum-free conditions – comparison to other cytokines and growth factors. <i>Leukemia</i> , 1998, 12, 371-381.	3.3	92
81	Mobilization of CD34+, CD117+, CXCR4+, c-met+ stem cells is correlated with left ventricular ejection fraction and plasma NT-proBNP levels in patients with acute myocardial infarction. <i>European Heart Journal</i> , 2006, 27, 283-289.	1.0	92
82	Overlapping and distinct role of CXCR7-SDF-1/ITAC and CXCR4-SDF-1 axes in regulating metastatic behavior of human rhabdomyosarcomas. <i>International Journal of Cancer</i> , 2010, 127, 2554-2568.	2.3	91
83	The ImageStream System: a key step to a new era in imaging. <i>Folia Histochemica Et Cytobiologica</i> , 2007, 45, 279-90.	0.6	91
84	Mouse Fibroblasts Lacking RB1 Function Form Spheres and Undergo Reprogramming to a Cancer Stem Cell Phenotype. <i>Cell Stem Cell</i> , 2009, 4, 336-347.	5.2	89
85	Human hematopoietic stem/progenitor-enriched CD34+ cells are mobilized into peripheral blood during stress related to ischemic stroke or acute myocardial infarction. <i>European Journal of Haematology</i> , 2005, 75, 461-467.	1.1	88
86	Biologic and therapeutic significance of MYB expression in human melanoma.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 4499-4503.	3.3	87
87	Very small embryonic-like stem cells (VSELs) represent a real challenge in stem cell biology: recent pros and cons in the midst of a lively debate. <i>Leukemia</i> , 2014, 28, 473-484.	3.3	87
88	Are bone marrow stem cells plastic or heterogeneous – That is the question. <i>Experimental Hematology</i> , 2005, 33, 613-623.	0.2	86
89	The migration of bone marrow-derived non-hematopoietic tissue-committed stem cells is regulated in an SDF-1, HGF, and LIF-dependent manner. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2006, 54, 121-135.	1.0	86
90	Hunt for pluripotent stem cell – Regenerative medicine search for almighty cell. <i>Journal of Autoimmunity</i> , 2008, 30, 151-162.	3.0	86

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91	Daily Onset of Light and Darkness Differentially Controls Hematopoietic Stem Cell Differentiation and Maintenance. <i>Cell Stem Cell</i> , 2018, 23, 572-585.e7.	5.2	86
92	Stem Cells, Including a Population of Very Small Embryonic-Like Stem Cells, are Mobilized Into Peripheral Blood in Patients After Skin Burn Injury. <i>Stem Cell Reviews and Reports</i> , 2012, 8, 184-194.	5.6	85
93	Bcr-abl-positive cells secrete angiogenic factors including matrix metalloproteinases and stimulate angiogenesis in vivo in Matrigel implants. <i>Leukemia</i> , 2002, 16, 1160-1166.	3.3	84
94	Myb and Ets Proteins Are Candidate Regulators of c-kit Expression in Human Hematopoietic Cells. <i>Blood</i> , 1998, 91, 1934-1946.	0.6	83
95	Coreceptor/Chemokine Receptor Expression on Human Hematopoietic Cells: Biological Implications for Human Immunodeficiency Virus Type 1 Infection. <i>Blood</i> , 1999, 93, 1145-1156.	0.6	83
96	Role of vascular endothelial growth factor (VEGF) and placenta-derived growth factor (PlGF) in regulating human haemopoietic cell growth. <i>British Journal of Haematology</i> , 1998, 103, 969-979.	1.2	82
97	Ceramide-1-Phosphate Regulates Migration of Multipotent Stromal Cells and Endothelial Progenitor Cells—Implications for Tissue Regeneration. <i>Stem Cells</i> , 2013, 31, 500-510.	1.4	82
98	Emerging Strategies to Enhance Homing and Engraftment of Hematopoietic Stem Cells. <i>Stem Cell Reviews and Reports</i> , 2016, 12, 121-128.	5.6	82
99	CXCR7: a new SDF-1 α binding receptor in contrast to normal CD34 ⁺ progenitors is functional and is expressed at higher level in human malignant hematopoietic cells. <i>European Journal of Haematology</i> , 2010, 85, 472-483.	1.1	81
100	Oligodeoxynucleotide-mediated inhibition of c-myc gene expression in autografted bone marrow: a pilot study. <i>Blood</i> , 2002, 99, 1150-1158.	0.6	79
101	Modulation of the SDF-1 α -CXCR4 axis by the third complement component (C3)—Implications for trafficking of CXCR4 ⁺ stem cells. <i>Experimental Hematology</i> , 2006, 34, 986-995.	0.2	78
102	Strategies to enhance umbilical cord blood stem cell engraftment in adult patients. <i>Expert Review of Hematology</i> , 2010, 3, 273-283.	1.0	78
103	Regulation of Expression of Stromal-Derived Factor-1 Receptors: CXCR4 and CXCR7 in Human Rhabdomyosarcomas. <i>Molecular Cancer Research</i> , 2010, 8, 1-14.	1.5	77
104	Retinal Pigment Epithelium Damage Enhances Expression of Chemoattractants and Migration of Bone Marrow-Derived Stem Cells. <i>Stem Cells</i> , 2006, 24, 1646.		75
105	Bone marrow-derived pluripotent very small embryonic-like stem cells (VSELs) are mobilized after acute myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 44, 865-873.	0.9	75
106	Transplantation of expanded bone marrow-derived very small embryonic-like stem cells (VSELs) improves left ventricular function and remodelling after myocardial infarction. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 1319-1328.	1.6	73
107	The Nlrp3 inflammasome as a rising star in studies of normal and malignant hematopoiesis. <i>Leukemia</i> , 2020, 34, 1512-1523.	3.3	73
108	Paracrine Proangiopoietic Effects of Human Umbilical Cord Blood-Derived Purified CD133 ⁺ Cells—Implications for Stem Cell Therapies in Regenerative Medicine. <i>Stem Cells and Development</i> , 2013, 22, 422-430.	1.1	72

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109	Membrane lipid rafts, master regulators of hematopoietic stem cell retention in bone marrow and their trafficking. <i>Leukemia</i> , 2015, 29, 1452-1457.	3.3	72
110	Sirt1 Regulates DNA Methylation and Differentiation Potential of Embryonic Stem Cells by Antagonizing Dnmt3l. <i>Cell Reports</i> , 2017, 18, 1930-1945.	2.9	72
111	Igf2-H19, an imprinted tandem gene, is an important regulator of embryonic development, a guardian of proliferation of adult pluripotent stem cells, a regulator of longevity, and a "passkey" to cancerogenesis. <i>Folia Histochemica Et Cytobiologica</i> , 2012, 50, 171-179.	0.6	72
112	Mobilization studies in complement-deficient mice reveal that optimal AMD3100 mobilization of hematopoietic stem cells depends on complement cascade activation by AMD3100-stimulated granulocytes. <i>Leukemia</i> , 2010, 24, 573-582.	3.3	71
113	Defective engraftment of C3aR ^{hi} hematopoietic stem progenitor cells shows a novel role of the C3a-C3aR axis in bone marrow homing. <i>Leukemia</i> , 2009, 23, 1455-1461.	3.3	70
114	Epiblast/Germ Line Hypothesis of Cancer Development Revisited: Lesson from the Presence of Oct-4+ Cells in Adult Tissues. <i>Stem Cell Reviews and Reports</i> , 2010, 6, 307-316.	5.6	70
115	The bone marrow-expressed antimicrobial cationic peptide LL-37 enhances the responsiveness of hematopoietic stem progenitor cells to an SDF-1 gradient and accelerates their engraftment after transplantation. <i>Leukemia</i> , 2012, 26, 736-745.	3.3	70
116	Novel evidence that crosstalk between the complement, coagulation and fibrinolysis proteolytic cascades is involved in mobilization of hematopoietic stem/progenitor cells (HSPCs). <i>Leukemia</i> , 2014, 28, 2148-2154.	3.3	70
117	Hematopoietic Stem/Progenitor Cells Express Several Functional Sex Hormone Receptors—Novel Evidence for a Potential Developmental Link Between Hematopoiesis and Primordial Germ Cells. <i>Stem Cells and Development</i> , 2015, 24, 927-937.	1.1	70
118	An Intricate Web: Chemokine Receptors, HIV-1 and Hematopoiesis. <i>Stem Cells</i> , 1998, 16, 79-88.	1.4	68
119	Bioactive Lipids S1P and C1P Are Prometastatic Factors in Human Rhabdomyosarcoma, and Their Tissue Levels Increase in Response to Radio/Chemotherapy. <i>Molecular Cancer Research</i> , 2013, 11, 793-807.	1.5	66
120	Binding of stromal derived factor-1 α (SDF-1 α) to CXCR4 chemokine receptor in normal human megakaryoblasts but not in platelets induces phosphorylation of mitogen-activated protein kinase p42/44 (MAPK), ELK-1 transcription factor and serine/threonine kinase AK. <i>European Journal of Haematology</i> , 2000, 64, 164-172.	1.1	65
121	Global Gene Expression Analysis of Very Small Embryonic-Like Stem Cells Reveals that the Ezh2-Dependent Bivalent Domain Mechanism Contributes to Their Pluripotent State. <i>Stem Cells and Development</i> , 2012, 21, 1639-1652.	1.1	65
122	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. <i>Experimental Hematology</i> , 2010, 38, 321-332.	0.2	64
123	Various types of stem cells, including a population of very small embryonic-like stem cells, are mobilized into peripheral blood in patients with Crohn's disease. <i>Inflammatory Bowel Diseases</i> , 2012, 18, 1711-1722.	0.9	64
124	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. <i>Experimental Hematology</i> , 2002, 30, 751-760.	0.2	63
125	Potential Clinical Applications of Stem Cells in Regenerative Medicine. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1201, 1-22.	0.8	63
126	Rhabdomyosarcoma cells show an energy producing anabolic metabolic phenotype compared with primary myocytes. <i>Molecular Cancer</i> , 2008, 7, 79.	7.9	61

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127	Optimization of isolation and further characterization of umbilical cord blood-derived very small embryonic/epiblast-like stem cells (VSELs). <i>European Journal of Haematology</i> , 2010, 84, 34-46.	1.1	59
128	Hematopoietic differentiation of umbilical cord blood-derived very small embryonic/epiblast-like stem cells. <i>Leukemia</i> , 2011, 25, 1278-1285.	3.3	59
129	The Ins and Outs of Hematopoietic Stem Cells: Studies to Improve Transplantation Outcomes. <i>Stem Cell Reviews and Reports</i> , 2011, 7, 590-607.	5.6	59
130	Very small embryonic/epiblast-like stem cells (VSELs) and their potential role in aging and organ rejuvenation – an update and comparison to other primitive small stem cells isolated from adult tissues. <i>Aging</i> , 2012, 4, 235-246.	1.4	59
131	CCR5-binding chemokines modulate CXCL12 (SDF-1)-induced responses of progenitor B cells in human bone marrow through heterologous desensitization of the CXCR4 chemokine receptor. <i>Blood</i> , 2002, 100, 2321-2329.	0.6	58
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