

Magdalena J Kucia

List of Publications by Year in descending order

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245
papers

17,276
citations

13854

67
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docs citations

253
times ranked

16301
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	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
3	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
4	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
5	CXCR4â€“SDF-1 Signalling, Locomotion, Chemotaxis and Adhesion. <i>Journal of Molecular Histology</i> , 2003, 35, 233-245.	1.0	600
6	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
7	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, 1213-1221.	1.0	427
8	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
9	The pleiotropic effects of the SDF-1â€“CXCR4 axis in organogenesis, regeneration and tumorigenesis. <i>Leukemia</i> , 2006, 20, 1915-1924.	3.3	389
10	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
11	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
12	Stem cell plasticity revisited: CXCR4-positive cells expressing mRNA for early muscle, liver and neural cells â€“hide outâ€™ in the bone marrow. <i>Leukemia</i> , 2004, 18, 29-40.	3.3	309
13	CXCR4â€“SDF-1 signaling is active in rhabdomyosarcoma cells and regulates locomotion, chemotaxis, and adhesion. <i>Blood</i> , 2002, 100, 2597-2606.	0.6	289
14	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
15	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
16	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
17	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
18	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

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19	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
20	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
21	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
22	Bone marrow as a home of heterogenous populations of nonhematopoietic stem cells. <i>Leukemia</i> , 2005, 19, 1118-1127.	3.3	178
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	Evidence That Very Small Embryonic-Like Stem Cells Are Mobilized into Peripheral Blood. <i>Stem Cells</i> , 2008, 26, 2083-2092.	1.4	130
31	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
32	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
33	Very small embryonic-like stem cells: Characterization, developmental origin, and biological significance. <i>Experimental Hematology</i> , 2008, 36, 742-751.	0.2	120
34	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
35	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
36	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

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37	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
38	Innate immunity as orchestrator of stem cell mobilization. <i>Leukemia</i> , 2010, 24, 1667-1675.	3.3	107
39	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
40	Very Small Embryonic-Like Stem Cells (VSELS). <i>Circulation Research</i> , 2019, 124, 208-210.	2.0	102
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	Are bone marrow stem cells plastic or heterogenous? That is the question. <i>Experimental Hematology</i> , 2005, 33, 613-623.	0.2	86

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55	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
56	Hunt for pluripotent stem cell â€œ Regenerative medicine search for almighty cell. <i>Journal of Autoimmunity</i> , 2008, 30, 151-162.	3.0	86
57	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
58	Ceramide-1-Phosphate Regulates Migration of Multipotent Stromal Cells and Endothelial Progenitor Cellsâ€™ Implications for Tissue Regeneration. <i>Stem Cells</i> , 2013, 31, 500-510.	1.4	82
59	CXCR7: a new SDFâ€™1â€™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
60	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
61	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
62	Clinical relevance of thyroid dysfunction in human haematopoiesis: biochemical and molecular studies. <i>European Journal of Endocrinology</i> , 2010, 162, 295-305.	1.9	75
63	Transplantation of expanded bone marrowâ€™derived very small embryonicâ€™like stem cells (VSELâ€™s) improves left ventricular function and remodelling after myocardial infarction. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 1319-1328.	1.6	73
64	The Nlrp3 inflammasome as a â€™rising starâ€™ in studies of normal and malignant hematopoiesis. <i>Leukemia</i> , 2020, 34, 1512-1523.	3.3	73
65	Paracrine Proangiopoietic Effects of Human Umbilical Cord Blood-Derived Purified CD133⁺ Cellsâ€™ Implications for Stem Cell Therapies in Regenerative Medicine. <i>Stem Cells and Development</i> , 2013, 22, 422-430.	1.1	72
66	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
67	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
68	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
69	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
70	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
71	Hematopoietic Stem/Progenitor Cells Express Several Functional Sex Hormone Receptorsâ€™ 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
72	Technical note: Milk composition in miceâ€™ Methodological aspects and effects of mouse strain and lactation day. <i>Journal of Dairy Science</i> , 2009, 92, 632-637.	1.4	67

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73	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
74	Global Gene Expression Analysis of Very Small Embryonic-Like Stem Cells Reveals that the <i>Ezh2</i> -Dependent Bivalent Domain Mechanism Contributes to Their Pluripotent State. <i>Stem Cells and Development</i> , 2012, 21, 1639-1652.	1.1	65
75	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
76	Rhabdomyosarcoma cells show an energy producing anabolic metabolic phenotype compared with primary myocytes. <i>Molecular Cancer</i> , 2008, 7, 79.	7.9	61
77	Hematopoietic differentiation of umbilical cord blood-derived very small embryonic/epiblast-like stem cells. <i>Leukemia</i> , 2011, 25, 1278-1285.	3.3	59
78	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
79	Molecular characterization of isolated from murine adult tissues very small embryonic/epiblast like stem cells (VSELs). <i>Molecules and Cells</i> , 2010, 29, 533-538.	1.0	58
80	Heterogeneous populations of bone marrow stem cells--are we spotting on the same cells from the different angles?. <i>Folia Histochemica Et Cytobiologica</i> , 2004, 42, 139-46.	0.6	57
81	Higher number of stem cells in the bone marrow of circulating low Igf-1 level Laron dwarf mice – novel view on Igf-1, stem cells and aging. <i>Leukemia</i> , 2011, 25, 729-733.	3.3	55
82	Pluripotent and multipotent stem cells in adult tissues. <i>Advances in Medical Sciences</i> , 2012, 57, 1-17.	0.9	54
83	An evidence that SARS-Cov-2/COVID-19 spike protein (SP) damages hematopoietic stem/progenitor cells in the mechanism of pyroptosis in Nlrp3 inflammasome-dependent manner. <i>Leukemia</i> , 2021, 35, 3026-3029.	3.3	53
84	Circulating progenitor cells in stable coronary heart disease and acute coronary syndromes: relevant reparatory mechanism?. <i>Heart</i> , 2008, 94, 27-33.	1.2	52
85	The role of pluripotent embryonic-like stem cells residing in adult tissues in regeneration and longevity. <i>Differentiation</i> , 2011, 81, 153-161.	1.0	52
86	Cancer from the perspective of stem cells and misappropriated tissue regeneration mechanisms. <i>Leukemia</i> , 2018, 32, 2519-2526.	3.3	52
87	Endurance Exercise Mobilizes Developmentally Early Stem Cells into Peripheral Blood and Increases Their Number in Bone Marrow: Implications for Tissue Regeneration. <i>Stem Cells International</i> , 2016, 2016, 1-10.	1.2	51
88	Human haematopoietic stem/progenitor cells express several functional sex hormone receptors. <i>Journal of Cellular and Molecular Medicine</i> , 2016, 20, 134-146.	1.6	49
89	The Nlrp3 Inflammasome Orchestrates Mobilization of Bone Marrow-Residing Stem Cells into Peripheral Blood. <i>Stem Cell Reviews and Reports</i> , 2019, 15, 391-403.	5.6	49
90	Very Small Embryonic/Epiblast-Like Stem Cells. <i>American Journal of Pathology</i> , 2009, 174, 1985-1992.	1.9	48

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91	The negative effect of prolonged somatotrophic/insulin signaling on an adult bone marrow-residing population of pluripotent very small embryonic-like stem cells (VSELs). <i>Age</i> , 2013, 35, 315-330.	3.0	48
92	Induction of a tumor-metastasis-receptive microenvironment as an unwanted and underestimated side effect of treatment by chemotherapy or radiotherapy. <i>Journal of Ovarian Research</i> , 2013, 6, 95.	1.3	46
93	Bone-marrow-derived stem cells – our key to longevity?. <i>Journal of Applied Genetics</i> , 2007, 48, 307-319.	1.0	45
94	Very small embryonic-like stem cells in adult tissues – Potential implications for aging. <i>Mechanisms of Ageing and Development</i> , 2009, 130, 58-66.	2.2	45
95	Bone marrow-derived very small embryonic-like stem cells: Their developmental origin and biological significance. <i>Developmental Dynamics</i> , 2007, 236, 3309-3320.	0.8	44
96	A multi-instrumental approach to identify and purify very small embryonic like stem cells (VSELs) from adult tissues. <i>Micron</i> , 2009, 40, 386-393.	1.1	44
97	Cleavage fragments of the third complement component (C3) enhance stromal derived factor-1 (SDF-1)-mediated platelet production during reactive postbleeding thrombocytosis. <i>Leukemia</i> , 2007, 21, 973-982.	3.3	43
98	Evidence of mobilization of pluripotent stem cells into peripheral blood of patients with myocardial ischemia. <i>Experimental Hematology</i> , 2010, 38, 1131-1142.e1.	0.2	43
99	Novel evidence that extracellular nucleotides and purinergic signaling induce innate immunity-mediated mobilization of hematopoietic stem/progenitor cells. <i>Leukemia</i> , 2018, 32, 1920-1931.	3.3	43
100	Bone Marrow Transplantation Temporarily Improves Pancreatic Function in Streptozotocin-Induced Diabetes: Potential Involvement of Very Small Embryonic-Like Cells. <i>Transplantation</i> , 2010, 89, 677-685.	0.5	42
101	The Proper Criteria for Identification and Sorting of Very Small Embryonic-Like Stem Cells, and Some Nomenclature Issues. <i>Stem Cells and Development</i> , 2014, 23, 702-713.	1.1	42
102	A novel insight into aging: are there pluripotent very small embryonic-like stem cells (VSELs) in adult tissues overtime depleted in an Igf-1-dependent manner?. <i>Ageing</i> , 2010, 2, 875-883.	1.4	41
103	Intermittent Hypoxia Mobilizes Bone Marrow-Derived Very Small Embryonic-Like Stem Cells and Activates Developmental Transcriptional Programs in Mice. <i>Sleep</i> , 2010, 33, 1439-1446.	0.6	40
104	Very small embryonic-like stem cells in cardiovascular repair. , 2011, 129, 21-28.		40
105	Nuclear and Chromatin Reorganization during Cell Senescence and Aging – A Mini-Review. <i>Gerontology</i> , 2011, 57, 76-84.	1.4	40
106	Evidence for the involvement of sphingosine-1-phosphate in the homing and engraftment of hematopoietic stem cells to bone marrow. <i>Oncotarget</i> , 2015, 6, 18819-18828.	0.8	38
107	Evidence for induction of a tumor metastasis-receptive microenvironment for ovarian cancer cells in bone marrow and other organs as an unwanted and underestimated side effect of chemotherapy/radiotherapy. <i>Journal of Ovarian Research</i> , 2015, 8, 20.	1.3	38
108	Parental imprinting regulates insulin-like growth factor signaling: a Rosetta Stone for understanding the biology of pluripotent stem cells, aging and cancerogenesis. <i>Leukemia</i> , 2013, 27, 773-779.	3.3	37

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109	Evidence that a lipolytic enzyme—hematopoietic-specific phospholipase C- β 2—promotes mobilization of hematopoietic stem cells by decreasing their lipid raft-mediated bone marrow retention and increasing the promobilizing effects of granulocytes. <i>Leukemia</i> , 2016, 30, 919-928.	3.3	37
110	Adult marrow-derived very small embryonic-like stem cells and tissue engineering. <i>Expert Opinion on Biological Therapy</i> , 2007, 7, 1499-1514.	1.4	36
111	Reduced number of VSELs in the bone marrow of growth hormone transgenic mice indicates that chronically elevated Igf1 level accelerates age-dependent exhaustion of pluripotent stem cell pool: a novel view on aging. <i>Leukemia</i> , 2011, 25, 1370-1374.	3.3	35
112	Fetal Liver Very Small Embryonic/Epiblast Like Stem Cells Follow Developmental Migratory Pathway of Hematopoietic Stem Cells. <i>Annals of the New York Academy of Sciences</i> , 2009, 1176, 205-218.	1.8	34
113	Cardiomyocyte differentiation of bone marrow-derived Oct-4+CXCR4+SSEA-1+ very small embryonic-like stem cells. <i>International Journal of Oncology</i> , 2010, 37, 237-47.	1.4	34
114	Nlrp3 Inflammasome Signaling Regulates the Homing and Engraftment of Hematopoietic Stem Cells (HSPCs) by Enhancing Incorporation of CXCR4 Receptor into Membrane Lipid Rafts. <i>Stem Cell Reviews and Reports</i> , 2020, 16, 954-967.	1.7	34
115	Expression of the erythropoietin receptor by germline-derived cells - further support for a potential developmental link between the germline and hematopoiesis. <i>Journal of Ovarian Research</i> , 2014, 7, 66.	1.3	31
116	Identification of small Sca-1+, Lin $^{-}$, CD45 $^{+}$ multipotential cells in the neonatal murine retina. <i>Experimental Hematology</i> , 2009, 37, 1096-1107.e1.	0.2	30
117	Thrombin Regulates the Metastatic Potential of Human Rhabdomyosarcoma Cells: Distinct Role of PAR1 and PAR3 Signaling. <i>Molecular Cancer Research</i> , 2010, 8, 677-690.	1.5	30
118	The Inhibition of CD39 and CD73 Cell Surface Ectonucleotidases by Small Molecular Inhibitors Enhances the Mobilization of Bone Marrow Residing Stem Cells by Decreasing the Extracellular Level of Adenosine. <i>Stem Cell Reviews and Reports</i> , 2019, 15, 892-899.	1.7	30
119	Selective upregulation of interleukin-8 by human rhabdomyosarcomas in response to hypoxia: therapeutic implications. <i>International Journal of Cancer</i> , 2010, 126, 371-381.	2.3	29
120	High-protein diet during gestation and lactation affects mammary gland mRNA abundance, milk composition and pre-weaning litter growth in mice. <i>Animal</i> , 2011, 5, 268-277.	1.3	29
121	Bone Marrow — Home of Versatile Stem Cells. <i>Transfusion Medicine and Hemotherapy</i> , 2008, 35, 248-259.	0.7	27
122	Genome-wide analysis of murine bone marrow-derived very small embryonic-like stem cells reveals that mitogenic growth factor signaling pathways play a crucial role in the quiescence and ageing of these cells. <i>International Journal of Molecular Medicine</i> , 2013, 32, 281-290.	1.8	26
123	Circulating Stem Cell Populations in Preterm Infants. <i>JAMA Ophthalmology</i> , 2010, 128, 1311.	2.6	25
124	RasGrf1: genomic imprinting, VSELs, and aging. <i>Aging</i> , 2011, 3, 692-697.	1.4	25
125	Novel pleiotropic effects of bioactive phospholipids in human lung cancer metastasis. <i>Oncotarget</i> , 2017, 8, 58247-58263.	0.8	25
126	The Role of Innate Immunity in Trafficking of Hematopoietic Stem Cells—An Emerging Link Between Activation of Complement Cascade and Chemotactic Gradients of Bioactive Sphingolipids. <i>Advances in Experimental Medicine and Biology</i> , 2012, 946, 37-54.	0.8	24

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127	Circulating Very Small Embryonic-Like Stem Cells in Cardiovascular Disease. <i>Journal of Cardiovascular Translational Research</i> , 2011, 4, 138-144.	1.1	23
128	Does it make sense to target one tumor cell chemotactic factor or its receptor when several chemotactic axes are involved in metastasis of the same cancer?. <i>Clinical and Translational Medicine</i> , 2016, 5, 28.	1.7	23
129	Evaluation of a developmental hierarchy for breast cancer cells to assess risk-based patient selection for targeted treatment. <i>Scientific Reports</i> , 2018, 8, 367.	1.6	23
130	ATP-Nlrp3 Inflammasome-Complement Cascade Axis in Sterile Brain Inflammation in Psychiatric Patients and its Impact on Stem Cell Trafficking. <i>Stem Cell Reviews and Reports</i> , 2019, 15, 497-505.	5.6	23
131	Sca-1 expression is associated with decreased cardiomyogenic differentiation potential of skeletal muscle-derived adult primitive cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2006, 41, 650-660.	0.9	22
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242	Novel Evidence That Alternative Activation Pathway of Complement Cascade (ComC) Regulates Optimal Homing and Engraftment of Hematopoietic Stem/Progenitor Cells (HSPCs) in Reactive Oxygen Species (ROS) - Nlrp3 Inflammasome-Dependent Manner. <i>Blood</i> , 2021, 138, 1683-1683.	0.6	0
243	Unexpected Novel Findings That Caspase-1-KO Mice Are Poor Mobilizers and Engraft Poorly with Wild Type Bone Marrow Cells - Indicating a Presence of an Autocrine Feedback Loop Involving Interleukin 1b and Interleukin 18 Signaling That Potentiates Nlrp3 Inflammasome Activity, Both in HSPCs and in the BM Microenvironment for Optimal Stem Cell Trafficking. <i>Blood</i> , 2020, 136, 30-31.	0.6	0
244	A Novel Underappreciated Role for the Extracellular Adenosine Triphosphate (ATP)-P2X4 Purinergic Receptor Axis in the Homing and Engraftment of HSPCs. <i>Blood</i> , 2020, 136, 32-32.	0.6	0
245	A Novel View of the Role of Prostaglandin E2 (PGE2) in Facilitating Engraftment of HSPCs By Activating the NOX2-ROS-Nlrp3 Inflammasome Axis to Incorporate the CXCR4 Receptor into Membrane Lipid Rafts. <i>Blood</i> , 2020, 136, 3-3.	0.6	0