

# Magdalena J Kucia

## List of Publications by Citations

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241  
papers

14,658  
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62  
h-index

118  
g-index

251  
ext. papers

15,942  
ext. citations

5.3  
avg, IF

6.32  
L-index

#	Paper	IF	Citations
241	Embryonic stem cell-derived microvesicles reprogram hematopoietic progenitors: evidence for horizontal transfer of mRNA and protein delivery. <i>Leukemia</i> , <b>2006</b> , 20, 847-56	10.7	1145
240	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> , <b>2009</b> , 53, 1-9	15.1	710
239	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> , <b>2005</b> , 23, 879-94	5.8	647
238	A population of very small embryonic-like (VSEL) CXCR4(+)/SSEA-1(+)/Oct-4+ stem cells identified in adult bone marrow. <i>Leukemia</i> , <b>2006</b> , 20, 857-69	10.7	565
237	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> , <b>2006</b> , 24, 1254-64	5.8	544
236	CXCR4-SDF-1 signalling, locomotion, chemotaxis and adhesion. <i>Journal of Molecular Histology</i> , <b>2004</b> , 35, 233-45	3.3	527
235	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> , <b>2004</b> , 110, 3213-20	16.7	381
234	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> , <b>2004</b> , 25, 275-82	9.5	355
233	The pleiotropic effects of the SDF-1-CXCR4 axis in organogenesis, regeneration and tumorigenesis. <i>Leukemia</i> , <b>2006</b> , 20, 1915-24	10.7	354
232	Morphological and molecular characterization of novel population of CXCR4+ SSEA-4+ Oct-4+ very small embryonic-like cells purified from human cord blood: preliminary report. <i>Leukemia</i> , <b>2007</b> , 21, 297-303	10.7	316
231	Cells expressing early cardiac markers reside in the bone marrow and are mobilized into the peripheral blood after myocardial infarction. <i>Circulation Research</i> , <b>2004</b> , 95, 1191-9	15.7	287
230	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> , <b>2004</b> , 18, 29-40	10.7	286
229	CXCR4-SDF-1 signaling is active in rhabdomyosarcoma cells and regulates locomotion, chemotaxis, and adhesion. <i>Blood</i> , <b>2002</b> , 100, 2597-606	2.2	271
228	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> , <b>2012</b> , 26, 1166-73	10.7	225
227	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 sphingosine-1-phosphate receptor 1. <i>Journal of Cellular Biochemistry</i> , <b>2010</b> , 97, 271-277	10.7	211
226	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> , <b>2003</b> , 21, 363-71	5.8	208
225	Incorporation of CXCR4 into membrane lipid rafts primes homing-related responses of hematopoietic stem/progenitor cells to an SDF-1 gradient. <i>Blood</i> , <b>2005</b> , 105, 40-8	2.2	201

224	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> , <b>2004</b> , 32, 52-7	2.1	183
223	A hypothesis for an embryonic origin of pluripotent Oct-4(+) stem cells in adult bone marrow and other tissues. <i>Leukemia</i> , <b>2007</b> , 21, 860-7	10.7	176
222	Clinical evidence that very small embryonic-like stem cells are mobilized into peripheral blood in patients after stroke. <i>Stroke</i> , <b>2009</b> , 40, 1237-44	6.7	173
221	Bone marrow as a home of heterogenous populations of nonhematopoietic stem cells. <i>Leukemia</i> , <b>2005</b> , 19, 1118-27	10.7	158
220	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> , <b>2004</b> , 103, 2071-8	7.3	154
219	Novel epigenetic mechanisms that control pluripotency and quiescence of adult bone marrow-derived Oct4(+) very small embryonic-like stem cells. <i>Leukemia</i> , <b>2009</b> , 23, 2042-51	10.7	138
218	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> , <b>2003</b> , 63, 7926-35	10.1	138
217	Bone marrow as a source of circulating CXCR4+ tissue-committed stem cells. <i>Biology of the Cell</i> , <b>2005</b> , 97, 133-46	3.5	136
216	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> , <b>2006</b> , 20, 18-28	10.7	121
215	Transplantation of bone marrow-derived very small embryonic-like stem cells attenuates left ventricular dysfunction and remodeling after myocardial infarction. <i>Stem Cells</i> , <b>2008</b> , 26, 1646-55	5.8	120
214	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> , <b>2009</b> , 23, 2052-62	10.7	115
213	Evidence that very small embryonic-like stem cells are mobilized into peripheral blood. <i>Stem Cells</i> , <b>2008</b> , 26, 2083-92	5.8	114
212	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> , <b>2020</b> , 34, 1726-1729	10.7	102
211	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> , <b>2012</b> , 26, 106-16	10.7	102
210	Very small embryonic-like stem cells: characterization, developmental origin, and biological significance. <i>Experimental Hematology</i> , <b>2008</b> , 36, 742-51	3.1	100
209	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> , <b>2008</b> , 73A, 1116-27	4.6	99
208	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> , <b>2011</b> , 39, 225-37 <sup>1</sup>	3.1	97
207	The role of stromal-derived factor-1--CXCR7 axis in development and cancer. <i>European Journal of Pharmacology</i> , <b>2009</b> , 625, 31-40	5.3	96

206	Identification of very small embryonic like (VSEL) stem cells in bone marrow. <i>Cell and Tissue Research</i> , <b>2008</b> , 331, 125-34	4.2	95
205	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> , <b>2012</b> , 26, 63-72	10.7	94
204	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> , <b>2010</b> , 8, 1328-43	6.6	91
203	Innate immunity as orchestrator of stem cell mobilization. <i>Leukemia</i> , <b>2010</b> , 24, 1667-75	10.7	90
202	Molecular signature of adult bone marrow-purified very small embryonic-like stem cells supports their developmental epiblast/germ line origin. <i>Leukemia</i> , <b>2010</b> , 24, 1450-61	10.7	88
201	Very small embryonic-like (VSEL) stem cells: purification from adult organs, characterization, and biological significance. <i>Stem Cell Reviews and Reports</i> , <b>2008</b> , 4, 89-99	6.4	87
200	Morphological characterization of very small embryonic-like stem cells (VSEs) by ImageStream system analysis. <i>Journal of Cellular and Molecular Medicine</i> , <b>2008</b> , 12, 292-303	5.6	85
199	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> , <b>2004</b> , 18, 1482-90	10.7	85
198	"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> , <b>2009</b> , 75, 4-13	4.6	83
197	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> , <b>2010</b> , 127, 2554-68	7.5	82
196	Prospective identification and skeletal localization of cells capable of multilineage differentiation in vivo. <i>Stem Cells and Development</i> , <b>2010</b> , 19, 1557-70	4.4	81
195	Are bone marrow stem cells plastic or heterogenous--that is the question. <i>Experimental Hematology</i> , <b>2005</b> , 33, 613-23	3.1	81
194	The ImageStream System: a key step to a new era in imaging. <i>Folia Histochemica Et Cytobiologica</i> , <b>2007</b> , 45, 279-90	1.4	81
193	Very small embryonic-like (VSEL) stem cells in adult organs and their potential role in rejuvenation of tissues and longevity. <i>Experimental Gerontology</i> , <b>2008</b> , 43, 1009-17	4.5	79
192	Hunt for pluripotent stem cell -- regenerative medicine search for almighty cell. <i>Journal of Autoimmunity</i> , <b>2008</b> , 30, 151-62	15.5	78
191	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> , <b>2017</b> , 120, 166-178	15.7	77
190	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> , <b>2006</b> , 27, 283-9	9.5	76
189	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> , <b>2012</b> , 8, 184-94	6.4	75

188	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> , <b>2014</b> , 28, 473-84	10.7	74
187	Ceramide-1-phosphate regulates migration of multipotent stromal cells and endothelial progenitor cells--implications for tissue regeneration. <i>Stem Cells</i> , <b>2013</b> , 31, 500-10	5.8	73
186	CXCR7: a new SDF-1-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> , <b>2010</b> , 85, 472-83	3.8	73
185	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> , <b>2006</b> , 54, 121-35	4	73
184	Regulation of expression of stromal-derived factor-1 receptors: CXCR4 and CXCR7 in human rhabdomyosarcomas. <i>Molecular Cancer Research</i> , <b>2010</b> , 8, 1-14	6.6	72
183	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> , <b>2008</b> , 44, 865-73	5.8	65
182	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> , <b>2010</b> , 24, 573-82	10.7	64
181	Transplantation of expanded bone marrow-derived very small embryonic-like stem cells (VSEL-SCs) improves left ventricular function and remodelling after myocardial infarction. <i>Journal of Cellular and Molecular Medicine</i> , <b>2011</b> , 15, 1319-28	5.6	63
180	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> , <b>2012</b> , 26, 736-45	10.7	63
179	SARS-CoV-2 Entry Receptor ACE2 Is Expressed on Very Small CD45 Precursors of Hematopoietic and Endothelial Cells and in Response to Virus Spike Protein Activates the Nlrp3 Inflammasome. <i>Stem Cell Reviews and Reports</i> , <b>2021</b> , 17, 266-277	7.3	62
178	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> , <b>2010</b> , 6, 307-16	6.4	61
177	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> , <b>2014</b> , 28, 2148-54	10.7	60
176	Very Small Embryonic-Like Stem Cells (VSELs). <i>Circulation Research</i> , <b>2019</b> , 124, 208-210	15.7	59
175	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> , <b>2013</b> , 22, 422-30	4.4	58
174	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> , <b>2012</b> , 18, 1711-22	4.5	58
173	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> , <b>2013</b> , 11, 793-807	6.6	58
172	Rhabdomyosarcoma cells show an energy producing anabolic metabolic phenotype compared with primary myocytes. <i>Molecular Cancer</i> , <b>2008</b> , 7, 79	42.1	56
171	Heterogeneous populations of bone marrow stem cells--are we spotting on the same cells from the different angles?. <i>Folia Histochemica Et Cytobiologica</i> , <b>2004</b> , 42, 139-46	1.4	56

170	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> , <b>2015</b> , 24, 927-37	4.4	55
169	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> , <b>2012</b> , 21, 1639-52	4.4	55
168	Sirt1 Regulates DNA Methylation and Differentiation Potential of Embryonic Stem Cells by Antagonizing Dnmt3l. <i>Cell Reports</i> , <b>2017</b> , 18, 1930-1945	10.6	53
167	Hematopoietic differentiation of umbilical cord blood-derived very small embryonic/epiblast-like stem cells. <i>Leukemia</i> , <b>2011</b> , 25, 1278-85	10.7	53
166	Clinical relevance of thyroid dysfunction in human haematopoiesis: biochemical and molecular studies. <i>European Journal of Endocrinology</i> , <b>2010</b> , 162, 295-305	6.5	50
165	Molecular characterization of isolated from murine adult tissues very small embryonic/epiblast like stem cells (VSELs). <i>Molecules and Cells</i> , <b>2010</b> , 29, 533-8	3.5	50
164	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> , <b>2012</b> , 4, 235-46	5.6	50
163	The role of pluripotent embryonic-like stem cells residing in adult tissues in regeneration and longevity. <i>Differentiation</i> , <b>2011</b> , 81, 153-61	3.5	47
162	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> , <b>2011</b> , 25, 729-33	10.7	46
161	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> , <b>2016</b> , 2016, 5756901	5	46
160	Circulating progenitor cells in stable coronary heart disease and acute coronary syndromes: relevant reparatory mechanism?. <i>Heart</i> , <b>2008</b> , 94, 27-33	5.1	45
159	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> , <b>2013</b> , 35, 315-30		44
158	Pluripotent and multipotent stem cells in adult tissues. <i>Advances in Medical Sciences</i> , <b>2012</b> , 57, 1-17	2.8	44
157	Technical note: Milk composition in mice--methodological aspects and effects of mouse strain and lactation day. <i>Journal of Dairy Science</i> , <b>2009</b> , 92, 632-7	4	44
156	Bone marrow-derived very small embryonic-like stem cells: their developmental origin and biological significance. <i>Developmental Dynamics</i> , <b>2007</b> , 236, 3309-20	2.9	42
155	Very small embryonic-like stem cells in adult tissues--potential implications for aging. <i>Mechanisms of Ageing and Development</i> , <b>2009</b> , 130, 58-66	5.6	41
154	The Nlrp3 inflammasome as a "rising star" in studies of normal and malignant hematopoiesis. <i>Leukemia</i> , <b>2020</b> , 34, 1512-1523	10.7	40
153	Very small embryonic/epiblast-like stem cells: a missing link to support the germ line hypothesis of cancer development?. <i>American Journal of Pathology</i> , <b>2009</b> , 174, 1985-92	5.8	40

152	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> , <b>2007</b> , 21, 973-82	10.7	40
151	Bone-marrow-derived stem cells--our key to longevity?. <i>Journal of Applied Genetics</i> , <b>2007</b> , 48, 307-19	2.5	40
150	Human haematopoietic stem/progenitor cells express several functional sex hormone receptors. <i>Journal of Cellular and Molecular Medicine</i> , <b>2016</b> , 20, 134-46	5.6	39
149	A multi-instrumental approach to identify and purify very small embryonic like stem cells (VSELs) from adult tissues. <i>Micron</i> , <b>2009</b> , 40, 386-93	2.3	39
148	Evidence of mobilization of pluripotent stem cells into peripheral blood of patients with myocardial ischemia. <i>Experimental Hematology</i> , <b>2010</b> , 38, 1131-1142.e1	3.1	39
147	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> , <b>2013</b> , 6, 95	5.5	38
146	Intermittent hypoxia mobilizes bone marrow-derived very small embryonic-like stem cells and activates developmental transcriptional programs in mice. <i>Sleep</i> , <b>2010</b> , 33, 1439-46	1.1	38
145	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>Aging</i> , <b>2010</b> , 2, 875-83	5.6	38
144	The Nlrp3 Inflammasome Orchestrates Mobilization of Bone Marrow-Residing Stem Cells into Peripheral Blood. <i>Stem Cell Reviews and Reports</i> , <b>2019</b> , 15, 391-403	6.4	35
143	Nuclear and chromatin reorganization during cell senescence and aging - a mini-review. <i>Gerontology</i> , <b>2011</b> , 57, 76-84	5.5	35
142	Bone marrow transplantation temporarily improves pancreatic function in streptozotocin-induced diabetes: potential involvement of very small embryonic-like cells. <i>Transplantation</i> , <b>2010</b> , 89, 677-85	1.8	35
141	The proper criteria for identification and sorting of very small embryonic-like stem cells, and some nomenclature issues. <i>Stem Cells and Development</i> , <b>2014</b> , 23, 702-13	4.4	34
140	Evidence for the involvement of sphingosine-1-phosphate in the homing and engraftment of hematopoietic stem cells to bone marrow. <i>Oncotarget</i> , <b>2015</b> , 6, 18819-28	3.3	34
139	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> , <b>2015</b> , 8, 20	5.5	33
138	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> , <b>2011</b> , 25, 1370-4	10.7	33
137	Cancer from the perspective of stem cells and misappropriated tissue regeneration mechanisms. <i>Leukemia</i> , <b>2018</b> , 32, 2519-2526	10.7	33
136	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> , <b>2013</b> , 27, 773-9	10.7	32
135	Very small embryonic-like stem cells in cardiovascular repair. <i>Pharmacology &amp; Therapeutics</i> , <b>2011</b> , 129, 21-8	13.9	32

134	Novel evidence that extracellular nucleotides and purinergic signaling induce innate immunity-mediated mobilization of hematopoietic stem/progenitor cells. <i>Leukemia</i> , <b>2018</b> , 32, 1920-1931 <sup>10.7</sup>	31
133	Adult marrow-derived very small embryonic-like stem cells and tissue engineering. <i>Expert Opinion on Biological Therapy</i> , <b>2007</b> , 7, 1499-514	5.4 31
132	Evidence that a lipolytic enzyme--hematopoietic-specific phospholipase C- $\beta$ --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> , <b>2016</b> , 30, 919-28	10.7 30
131	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> , <b>2009</b> , 1176, 205-18	6.5 30
130	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> , <b>2014</b> , 7, 66	5.5 28
129	High-protein diet during gestation and lactation affects mammary gland mRNA abundance, milk composition and pre-weaning litter growth in mice. <i>Animal</i> , <b>2011</b> , 5, 268-77	3.1 26
128	Thrombin regulates the metastatic potential of human rhabdomyosarcoma cells: distinct role of PAR1 and PAR3 signaling. <i>Molecular Cancer Research</i> , <b>2010</b> , 8, 677-90	6.6 26
127	Cardiomyocyte differentiation of bone marrow-derived Oct-4+CXCR4+SSEA-1+ very small embryonic-like stem cells. <i>International Journal of Oncology</i> , <b>2010</b> , 37, 237-47	4.4 26
126	Identification of small Sca-1(+), Lin(-), CD45(-) multipotential cells in the neonatal murine retina. <i>Experimental Hematology</i> , <b>2009</b> , 37, 1096-107, 1107.e1	3.1 26
125	Bone Marrow - Home of Versatile Stem Cells. <i>Transfusion Medicine and Hemotherapy</i> , <b>2008</b> , 35, 248-259	4.2 26
124	Selective upregulation of interleukin-8 by human rhabdomyosarcomas in response to hypoxia: therapeutic implications. <i>International Journal of Cancer</i> , <b>2010</b> , 126, 371-81	7.5 25
123	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> , <b>2013</b> , 32, 281-90	4.4 22
122	RasGrf1: genomic imprinting, VSELs, and aging. <i>Aging</i> , <b>2011</b> , 3, 692-7	5.6 21
121	Circulating very small embryonic-like stem cells in cardiovascular disease. <i>Journal of Cardiovascular Translational Research</i> , <b>2011</b> , 4, 138-44	3.3 20
120	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> , <b>2019</b> , 15, 892-899	7.3 19
119	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> , <b>2006</b> , 41, 650-60	5.8 19
118	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> , <b>2012</b> , 946, 37-54	3.6 18
117	Circulating stem cell populations in preterm infants: implications for the development of retinopathy of prematurity. <i>JAMA Ophthalmology</i> , <b>2010</b> , 128, 1311-9	18



116	Novel pleiotropic effects of bioactive phospholipids in human lung cancer metastasis. <i>Oncotarget</i> , <b>2017</b> , 8, 58247-58263	3.3	18
115	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> , <b>2019</b> , 15, 497-505	6.4	17
114	The Emerging Link Between the Complement Cascade and Purinergic Signaling in Stress Hematopoiesis. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 1295	8.4	17
113	Morphology of ovaries in laron dwarf mice, with low circulating plasma levels of insulin-like growth factor-1 (IGF-1), and in bovine GH-transgenic mice, with high circulating plasma levels of IGF-1. <i>Journal of Ovarian Research</i> , <b>2012</b> , 5, 18	5.5	17
112	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> , <b>2020</b> , 16, 954-967	7.3	17
111	Evidence that the population of quiescent bone marrow-residing very small embryonic/epiblast-like stem cells (VSELs) expands in response to neurotoxic treatment. <i>Journal of Cellular and Molecular Medicine</i> , <b>2014</b> , 18, 1797-806	5.6	16
110	RasGRF1 regulates proliferation and metastatic behavior of human alveolar rhabdomyosarcomas. <i>International Journal of Oncology</i> , <b>2012</b> , 41, 995-1004	4.4	16
109	Quiescent CD34+ early erythroid progenitors are resistant to several erythropoietic 'inhibitory' cytokines; role of FLIP. <i>British Journal of Haematology</i> , <b>2003</b> , 123, 160-9	4.5	16
108	Public Opinion in Central Europe on EU Accession: The Czech Republic and Poland. <i>Journal of Common Market Studies</i> , <b>1999</b> , 37, 143-152	1.4	16
107	Novel evidence that pituitary gonadotropins directly stimulate human leukemic cells-studies of myeloid cell lines and primary patient AML and CML cells. <i>Oncotarget</i> , <b>2016</b> , 7, 3033-46	3.3	16
106	Evidence that vitronectin is a potent migration-enhancing factor for cancer cells chaperoned by fibrinogen: a novel view of the metastasis of cancer cells to low-fibrinogen lymphatics and body cavities. <i>Oncotarget</i> , <b>2016</b> , 7, 69829-69843	3.3	16
105	The developmental deposition of epiblast/germ cell-line derived cells in various organs as a hypothetical explanation of stem cell plasticity?. <i>Acta Neurobiologiae Experimentalis</i> , <b>2006</b> , 66, 331-41	1	16
104	Evaluation of a developmental hierarchy for breast cancer cells to assess risk-based patient selection for targeted treatment. <i>Scientific Reports</i> , <b>2018</b> , 8, 367	4.9	15
103	Sterile Inflammation of Brain, due to Activation of Innate Immunity, as a Culprit in Psychiatric Disorders. <i>Frontiers in Psychiatry</i> , <b>2018</b> , 9, 60	5	15
102	A novel view of paroxysmal nocturnal hemoglobinuria pathogenesis: more motile PNH hematopoietic stem/progenitor cells displace normal HSPCs from their niches in bone marrow due to defective adhesion, enhanced migration and mobilization in response to erythrocyte-released sphingosine-1-phosphate gradient. <i>Leukemia</i> , <b>2012</b> , 26, 1722-5.	10.7	15
101	Sphingosine-1-phosphate-mediated mobilization of hematopoietic stem/progenitor cells during intravascular hemolysis requires attenuation of SDF-1-CXCR4 retention signaling in bone marrow. <i>BioMed Research International</i> , <b>2013</b> , 2013, 814549	3	14
100	Innate immunity orchestrates the mobilization and homing of hematopoietic stem/progenitor cells by engaging purinergic signaling-an update. <i>Purinergic Signalling</i> , <b>2020</b> , 16, 153-166	3.8	12
99	Transcriptional landscape of bone marrow-derived very small embryonic-like stem cells during hypoxia. <i>Respiratory Research</i> , <b>2011</b> , 12, 63	7.3	11

98	The effect of low and high plasma levels of insulin-like growth factor-1 (IGF-1) on the morphology of major organs: studies of Laron dwarf and bovine growth hormone transgenic (bGHTg) mice. <i>Histology and Histopathology</i> , <b>2013</b> , 28, 1325-36	1.4	11
97	Novel evidence that an alternative complement cascade pathway is involved in optimal mobilization of hematopoietic stem/progenitor cells in Nlrp3 inflammasome-dependent manner. <i>Leukemia</i> , <b>2019</b> , 33, 2967-2970	10.7	10
96	The cell cycle- and insulin-signaling-inhibiting miRNA expression pattern of very small embryonic-like stem cells contributes to their quiescent state. <i>Experimental Biology and Medicine</i> , <b>2015</b> , 240, 1107-11	3.7	10
95	Decoding the Dots—The ImageStream system (ISS) as a novel and powerful tool for flow cytometric analysis. <i>Open Life Sciences</i> , <b>2008</b> , 3, 1-10	1.2	10
94	Hematopoietic stem cells from NOD mice exhibit autonomous behavior and a competitive advantage in allogeneic recipients. <i>Blood</i> , <b>2005</b> , 105, 2189-97	2.2	10
93	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> , <b>2021</b> , 35, 3026-3029	10.7	10
92	Toll-like receptor signaling-deficient mice are easy mobilizers: evidence that TLR signaling prevents mobilization of hematopoietic stem/progenitor cells in HO-1-dependent manner. <i>Leukemia</i> , <b>2016</b> , 30, 2416-2419	10.7	10
91	Pituitary sex hormones enhance the pro-metastatic potential of human lung cancer cells by downregulating the intracellular expression of heme oxygenase-1. <i>International Journal of Oncology</i> , <b>2017</b> , 50, 317-328	4.4	9
90	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> , <b>2016</b> , 5, 28	5.7	9
89	CD133 Expression Strongly Correlates with the Phenotype of Very Small Embryonic-/Epiblast-Like Stem Cells. <i>Advances in Experimental Medicine and Biology</i> , <b>2013</b> , 777, 125-41	3.6	9
88	Histological changes of testes in growth hormone transgenic mice with high plasma level of GH and insulin-like growth factor-1. <i>Folia Histochemica Et Cytobiologica</i> , <b>2015</b> , 53, 249-58	1.4	9
87	Further evidence that paroxysmal nocturnal haemoglobinuria is a disorder of defective cell membrane lipid rafts. <i>Journal of Cellular and Molecular Medicine</i> , <b>2015</b> , 19, 2193-201	5.6	8
86	Flt3-Ligand-Mobilized Peripheral Blood, but Not Flt3-Ligand-Expanded Bone Marrow, Facilitating Cells Promote Establishment of Chimerism and Tolerance. <i>Stem Cells</i> , <b>2006</b> , 24, 936-948	5.8	8
85	Hematopoietic Stem and Progenitor Cells (HSPCs). <i>Advances in Experimental Medicine and Biology</i> , <b>2019</b> , 1201, 49-77	3.6	8
84	The effect of calorie restriction on the presence of apoptotic ovarian cells in normal wild type mice and low-plasma-IGF-1 Laron dwarf mice. <i>Journal of Ovarian Research</i> , <b>2013</b> , 6, 67	5.5	5
83	Solute-dependent activation of cell motility in strongly hypertonic solutions in Dictyostelium discoideum, human melanoma HTB-140 cells and walker 256 carcinosarcoma cells. <i>Cellular and Molecular Biology Letters</i> , <b>2011</b> , 16, 412-30	8.1	5
82	A Novel Paradigm In Stem Cell Trafficking: The Ratio of Peripheral Blood Sphingosine-1 Phosphate (S1P) to Bone Marrow Ceramide-1 Phosphate (C1P) Regulates Mobilization and Homing of Hematopoietic Stem Cells. <i>Blood</i> , <b>2010</b> , 116, 554-554	2.2	5
81	The Nlrp3 inflammasome - the evolving story of its positive and negative effects on hematopoiesis. <i>Current Opinion in Hematology</i> , <b>2021</b> , 28, 251-261	3.3	5

80	Danger-associated molecular pattern molecules take unexpectedly a central stage in Nlrp3 inflammasome-caspase-1-mediated trafficking of hematopoietic stem/progenitor cells. <i>Leukemia</i> , <b>2021</b> , 35, 2658-2671	10.7	5
79	Bioactive Sphingolipids, Complement Cascade, and Free Hemoglobin Levels in Stable Coronary Artery Disease and Acute Myocardial Infarction. <i>Mediators of Inflammation</i> , <b>2018</b> , 2018, 2691934	4.3	4
78	The role of CXCR4/SDF-1, CD117/SCF, and c-met/HGF chemokine signalling in the mobilization of progenitor cells and the parameters of the left ventricular function, remodelling, and myocardial perfusion following acute myocardial infarction. <i>European Heart Journal Supplements</i> , <b>2008</b> , 10, K16-K23	1.5	4
77	Emerging concept of cancer as a stem cell disorder. <i>Open Life Sciences</i> , <b>2006</b> , 1, 73-87	1.2	4
76	The ACE2 Receptor for COVID-19 Entry Is Expressed on the Surface of Hematopoietic Stem/Progenitor Cells and Endothelial Progenitors As Well As Their Precursor Cells and Becomes Activated in Nlrp3 Inflammasome-Dependent Manner By Virus Spike Protein - a Potential Pathway Leading to a "Cytokine Storm". <i>Blood</i> , <b>2020</b> , 136, 8-8	2.2	4
75	Valproic Acid Decreases Endothelial Colony Forming Cells Differentiation and Induces Endothelial-to-Mesenchymal Transition-like Process. <i>Stem Cell Reviews and Reports</i> , <b>2020</b> , 16, 357-368	7.3	4
74	Extracellular Adenosine Triphosphate (eATP) and Its Metabolite, Extracellular Adenosine (eAdo), as Opposing "Yin-Yang" Regulators of Nlrp3 Inflammasome in the Trafficking of Hematopoietic Stem/Progenitor Cells. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 603942	8.4	4
73	Heme Oxygenase 1 (HO-1) as an Inhibitor of Trafficking of Normal and Malignant Hematopoietic Stem Cells - Clinical and Translational Implications. <i>Stem Cell Reviews and Reports</i> , <b>2021</b> , 17, 821-828	7.3	4
72	Novel evidence that pituitary sex hormones regulate migration, adhesion, and proliferation of embryonic stem cells and teratocarcinoma cells. <i>Oncology Reports</i> , <b>2018</b> , 39, 851-859	3.5	3
71	Novel Evidence That Extracellular Adenosine Triphosphate (ATP), As a Purinergic Signaling Mediator, Activates Mobilization By Engaging a P2X4 Ligand-Gated Cation Channel Receptor Expressed on the Surface of Hematopoietic and Innate Immunity Cells. <i>Blood</i> , <b>2019</b> , 134, 4472-4472	2.2	3
70	An In Vivo Evidence That the CD45negative Adult Marrow-Derived CXCR4+ SSEA-1+ OCT-4+ Very Small Embryonic-Like (VSEL) Stem Cells May Differentiate into CD45positive Long Term Repopulating Hematopoietic Stem Cells.. <i>Blood</i> , <b>2007</b> , 110, 505-505	2.2	3
69	Optimization of Isolation and Further Molecular and Functional Characterization of SSEA-4+/Oct-4+/CD133+/CXCR4+/LINneg/CD45neg Very Small Embryonic-Like (VSEL) Stem Cells Isolated from Umbilical Cord Blood.. <i>Blood</i> , <b>2008</b> , 112, 2316-2316	2.2	3
68	Plausible Links Between Metabolic Networks, Stem Cells, and Longevity. <i>Advances in Experimental Medicine and Biology</i> , <b>2019</b> , 1201, 355-388	3.6	3
67	Novel Evidence That the Ectonucleotidases CD39 and CD73, Which Are Expressed on Hematopoietic Stem/Progenitor Cells (HSPCs), Regulate Mobilization and Homing - Studies in CD39 <sup>-/-</sup> and CD73 <sup>-/-</sup> Mice and with Small-Molecule CD39 and CD73 Inhibitors. <i>Blood</i> , <b>2018</b> , 132, 2060-2060	2.2	2
66	A Potential New Application of Mobilization/Leukapheresis for Enrichment of Peripheral Blood in Circulating Non-Hematopoietic CXCR4+CD45 <sup>+</sup> Tissue-Committed Stem Cells (TCSC) for Organ/Tissue Regeneration.. <i>Blood</i> , <b>2004</b> , 104, 151-151	2.2	2
65	The Unique Pattern of Somatic Imprint in Oct-4+ Very Small Embryonic Like (VSEL) Stem Cells Isolated from Adult Tissues Further Supports Both Their Epiblast/Germ Line Origin and Explains Quiescent Status: Potential Modification of Somatic Imprint as a Key to Longevity?. <i>Blood</i> , <b>2008</b> , 112, 2316-2316	2.2	2
64	Novel Evidence That Neuroblastoma and Rhabdomyosarcoma, Two Types of Small Round Blue Cell Tumors, Frequently Infiltrate Bone Marrow and Express Functional Erythropoietin Receptor (EpoR) Therapeutic Implications. <i>Blood</i> , <b>2014</b> , 124, 4019-4019	2.2	2
63	Bone Marrow-Derived VSELS Engraft as Lung Epithelial Progenitor Cells after Bleomycin-Induced Lung Injury. <i>Cells</i> , <b>2021</b> , 10,	7.9	2

62	The P2X4 purinergic receptor has emerged as a potent regulator of hematopoietic stem/progenitor cell mobilization and homing-a novel view of P2X4 and P2X7 receptor interaction in orchestrating stem cell trafficking. <i>Leukemia</i> , <b>2021</b> ,	10.7	2
61	The third complement component as modulator of platelet production. <i>Advances in Experimental Medicine and Biology</i> , <b>2007</b> , 598, 226-39	3.6	2
60	An Evidence That Murine Marrow-Derived CXCR4+ SSEA-1+ Oct-4+ Very Small Embryonic-Like (VSEL) Stem Cells Are Pluripotent and Express Several Primordial Germ Cell (PGC) Markers - Hypotesis for Developmental Deposition of PGC in Various Organs.. <i>Blood</i> , <b>2006</b> , 108, 1676-1676	2.2	1
59	A Novel Population of Oct-4+ SSEA-1+ CXCR4+ CD34+ CD133+ Lin <sup>-</sup> CD45 <sup>-</sup> Very Small Embryonic-Like (VSEL) Stem Cells Identified in Human Cord Blood.. <i>Blood</i> , <b>2006</b> , 108, 3195-3195	2.2	1
58	Unexpected Evidence That Chronic IGF-1 Deficiency In Laron Dwarf Mice Maintains High Levels of Hematopoietic Stem Cells (HSCs) In BM - Are HSCs Gradually Depleted From BM with Age In An IGF-1 <sup>-</sup> dependent Manner? Implications for the Novel Effect of Caloric Restriction on the Hematopoietic Stem Cell Compartment and Longevity. <i>Blood</i> , <b>2010</b> , 116, 1551-1551	2.2	1
57	Studies with Diluted Plasma Reveal the Presence of a Remarkably Potent Factor That Enhances the Motility of Cancer Cells and Is Quenched by Fibrinogen - a Novel View of Cancer Metastasis. <i>Blood</i> , <b>2012</b> , 120, 3431-3431	2.2	1
56	Challenging Dogmas - Or How Much Evidence Is Necessary To Claim That There Is a Direct Developmental and Functional Link Between The Primordial Germ Cell (PGC) Lineage and Hematopoiesis?. <i>Blood</i> , <b>2013</b> , 122, 1215-1215	2.2	1
55	Novel Evidence That Pituitary Gonadotropins Directly Stimulate Human Leukemic cells <sup>†</sup> studies on Myeloid Cell Lines and Primary Patient AML and CML Cells. <i>Blood</i> , <b>2014</b> , 124, 2204-2204	2.2	1
54	Novel Evidence That, in Addition to Proteolytic Enzymes, Lipolytic Enzymes Are Involved in Mobilization of Hematopoietic Stem/Progenitor Cells (HSPCs) - an Important Pro-Mobilizing Role Identified for Hematopoietic-Specific Phospholipase C (PLC $\beta$ ). <i>Blood</i> , <b>2014</b> , 124, 2448-2448	2.2	1
53	Evidence for Induction of a Tumor-Metastasis-Receptive Microenvironment in Bone Marrow and Other Organs As an Unwanted and Underestimated Side Effect of Chemotherapy/Radiotherapy. <i>Blood</i> , <b>2014</b> , 124, 2925-2925	2.2	1
52	Hematopoiesis and innate immunity: an inseparable couple for good and bad times, bound together by an hormetic relationship. <i>Leukemia</i> , <b>2021</b> ,	10.7	1
51	Percoll Gradient Separation of Cord Blood Mononuclear Cells Reveals the Presence of a Novel Population of CXCR4+ Oct-4+ Small Embryonic-Like Stem Cells.. <i>Blood</i> , <b>2005</b> , 106, 1069-1069	2.2	1
50	Novel Evidence That the Pannexin 1 Channel Is Involved in Adenosine Triphosphate (ATP) Release from Cells for Optimal Mobilization of Hematopoietic Stem Progenitor Cells, and the Pannexin 1 SNP 5 (Rs3020015) T/C Polymorphism Characterizes Poor Mobilizer Status in Patients. <i>Blood</i> , <b>2019</b> , 134, 3248-3248	2.2	1
49	A Pivotal Role of Activation of Complement Cascade (CC) in Mobilization of Hematopoietic Stem/Progenitor Cells (HSPC). <i>Advances in Experimental Medicine and Biology</i> , <b>2008</b> , 45-58	3.6	1
48	Human CD34 very small embryonic-like stem cells can give rise to endothelial colony-forming cells with a multistep differentiation strategy using UM171 and nicotinamide acid.. <i>Leukemia</i> , <b>2022</b> ,	10.7	1
47	Novel Evidence That Alternative Pathway of Complement Cascade Activation is Required for Optimal Homing and Engraftment of Hematopoietic Stem/progenitor Cells.. <i>Stem Cell Reviews and Reports</i> , <b>2022</b> , 1	7.3	0
46	Very Small Embryonic-Like Stem Cells (VSELs) and Importance in Growth <b>2012</b> , 1257-1271		
45	Application of Epiblast/Germ Line-Derived Very Small Embryonic-Like Stem Cells for Neurogenesis. <i>Stem Cells and Cancer Stem Cells</i> , <b>2012</b> , 259-269		

44	Microvesicles and Their Emerging Role in Cellular Therapies for Organ and Tissue Regeneration <b>2013</b> , 203-216	
43	The Crosses of Auschwitz: Nationalism and Religion in Post-Communist Poland. By Genwiłe Zubrzycki. Chicago: University of Chicago Press, 2006. xx, 277 pp. Appendixes. Notes. Bibliography. Index. Illustrations. Plates. Photographs. Figures. Tables. Maps. 27.50, paper.. <i>Slavic Review</i> , <b>2007</b> , 11, 537-538	0
42	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> , <b>2020</b> , 136, 30-31	2.2
41	A Novel Underappreciated Role for the Extracellular Adenosine Triphosphate (ATP)-P2X4 Purinergic Receptor Axis in the Homing and Engraftment of HSPCs. <i>Blood</i> , <b>2020</b> , 136, 32-32	2.2
40	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> , <b>2020</b> , 136, 3-3	2.2
39	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> , <b>2021</b> , 138, 1683-1683	2.2
38	The Novel Role of the Third Complement Component (C3) in Megakaryopoiesis: Implications for Pathogenesis of Reactive Thrombocytosis.. <i>Blood</i> , <b>2004</b> , 104, 2906-2906	2.2
37	Promotion of Chimerism and Tolerance by Flt3 Ligand-Mobilized Facilitating Cells Is Associated with Upregulation of CXCR4 and SDF-1.. <i>Blood</i> , <b>2004</b> , 104, 1286-1286	2.2
36	Leukemia Inhibitory Factor: A Newly Identified Chemoattractant and Regulator of Metastasis of Rhabdomyosarcomas and Neuroblastomas to Bone Marrow.. <i>Blood</i> , <b>2004</b> , 104, 1278-1278	2.2
35	Evidence That CXCR4+ Neural Tissue-Committed Stem Cells (TCSC) Reside/Hide out in the Bone Marrow and Are Mobilized into the Peripheral Blood during Stroke.. <i>Blood</i> , <b>2004</b> , 104, 2698-2698	2.2
34	CXCR4+ CD45 <sup>lo</sup> Tissue-Committed Stem Cells (TCSC) for Myocardium Reside in the Bone Marrow, Are Mobilized into the Peripheral Blood during Myocardial Infarction, and Home to Infarcted Myocardium in CXCR4-SDF-1 and HGF/SF-c-Met Dependent Manner.. <i>Blood</i> , <b>2004</b> , 104, 2131-2131	2.2
33	Evidence That Functional Neural Tissue-Committed Stem Cells (NTCSC) Reside in the Human Bone Marrow and Are Mobilized into Peripheral Blood in a Patients after Stroke.. <i>Blood</i> , <b>2005</b> , 106, 392-392	2.2
32	Prospective In Vivo Identification of Osteogenic Stem/Progenitor Cells from Bone Marrow-Derived Lin <sup>-</sup> Sca-1+/CD45 <sup>lo</sup> Cells.. <i>Blood</i> , <b>2007</b> , 110, 1409-1409	2.2
31	A Role for Complement System in Mobilization and Homing of Hematopoietic Stem/Progenitor Cells <b>2008</b> , 357-364	
30	Novel Evidence That Extracellular Nucleotides and Nucleosides Regulate the Expression of Heme Oxygenase 1 (HO-1) in Opposite Ways in Hematopoietic Stem/Progenitor Cells (HSPCs), Which Explains Why ATP Enhances Mobilization of HSPCs, While Its Metabolite Adenosine Inhibits This Process. <i>Blood</i> , <b>2018</b> , 132, 4528-4528	2.2
29	Efficient Ex Vivo Expansion of Highly Purified Human Umbilical Cord Blood-Derived Very Small CD34+lin-CD45- Stem Cells into Functional Endothelial Cells in Vitro in Chemically Identified, Feeder Layer-Free Medium Supplemented with Nicotinamide. <i>Blood</i> , <b>2019</b> , 134, 4882-4882	2.2
28	Novel Evidence That the Nlrp3 Inflammasome Plays a Role in Bone Marrow As a "Cogwheel" Connecting Purinergic Signaling with Activation of the Complement Cascade to Induce "Sterile Inflammation", Which Is Required for Optimal Mobilization of Hematopoietic Stem/Progenitor Cells. <i>Blood</i> , <b>2019</b> , 134, 4468-4468	2.2
27	Novel Evidence That Murine and Human Mesenchymal Stromal Cells Express Functional Gonadotropic Hormone Receptors, Demonstrating the Involvement of the Pituitary gonadotropin Bone Marrow Axis in Hematopoiesis. <i>Blood</i> , <b>2014</b> , 124, 1588-1588	2.2

- 26 Novel Evidence That a Lipolytic Enzyme - Hematopoietic-Specific Phospholipase C Beta 2 - Promotes Mobilization of Hematopoietic Stem Cells By Decreasing Their Lipid Raft-Mediated Bone Marrow Retention and Increasing the Pro-Mobilizing Effects of Granulocytes. *Blood*, **2015**, 126, 1896-1896 2.2
- 25 The Bone Marrow "Mystery Population" of Stem Cells 20 Years Later - a Puzzle Solved?. *Blood*, **2015**, 126, 2392-2392 2.2
- 24 Novel Evidence That Hematopoietic-Specific PLC- $\zeta$  Is Required for Normal Homing and Engraftment of Hematopoietic Stem Cells. *Blood*, **2016**, 128, 3342-3342 2.2
- 23 Heme Oxygenase 1 (HO-1) Is a Novel Negative Regulator of Normal and Malignant Hematopoietic Cell Trafficking. *Blood*, **2016**, 128, 2150-2150 2.2
- 22 Potential Application of Very Small Embryonic Like (VSEL) Stem Cells in Neural Regeneration **2010**, 231-243
- 21 The Number of Very Small Embryonic Like Stem Cells (VSEs) Decreases During Aging In An IGF-1-Dependent Manner - a Novel Link Between Aging, Caloric Restriction, and the Size of the Stem Cell Pool. *Blood*, **2010**, 116, 4796-4796 2.2
- 20 Polycomb Group Protein-Mediated Bivalent Domains Regulate Pluripotency of Oct4+ Very Small Embryonic-Like (VSEL) Stem Cells In Adult Bone Marrow. *Blood*, **2010**, 116, 4788-4788 2.2
- 19 An Unexpected Role for the Complement C5b-C9 Membrane Attack Complex (MAC) In Trafficking of Hematopoietic Stem/Progenitor Cells - a Novel Unexpected Link Between Innate Immunity and Hematopoiesis. *Blood*, **2010**, 116, 555-555 2.2
- 18 Evidence That a Bioactive Lipid, Ceramide-1 Phosphate (C1P), Is Upregulated In Bone Marrow Microenvironment After Myeloablative Therapy and Is a Potential Novel Homing Factor for Hematopoietic Stem Cells. *Blood*, **2010**, 116, 401-401 2.2
- 17 Novel Evidence That the Small Chemokine Macrophage Migration Inhibitory Factor (MIF) Is Highly Secreted by Human Rhabdomyosarcomas, Activates Both SDF-1 Binding Receptors, CXCR4 and CXCR7, and Unexpectedly Inhibits Recruitment of Stromal Cells to the Growing Tumor.. *Blood*, **2010**, 116, 3849-3849 2.2
- 16 Very Small Embryonic-like Stem Cells and Their Potential Relevance for Kidney Homeostasis **2011**, 189-201
- 15 Bone Marrow-Derived Very Small Embryonic-Like Cells: Cell Regeneration in Pancreatic Tissue **2012**, 335-343
- 14 Identification and Isolation of Very Small Embryonic-like Stem Cells from Murine and Human Specimens 91-101
- 13 A Novel View of Bone Marrow As a Stem Cell Sensor of Tissue/Organ Damage - Evidence That in Vivo Exposure to the Neurotoxin Kainic Acid (KA) Induces Proliferation and Neural Specification of Developmentally Early Stem Cells Directly in Bone Marrow Before They Are Mobilized Into Peripheral Blood. *Blood*, **2012**, 120, 4100-4100 2.2
- 12 Novel Evidence for the Presence of Potent, Paracrine, Pro-Angiopoietic Effects of Purified Human Umbilical Cord Blood-Derived CD133+ Cells - Implications for Adult Stem Cell Therapies in Regenerative Medicine. *Blood*, **2012**, 120, 4740-4740 2.2
- 11 A Novel Evidence That PNH Affected Cells Residing in Bone Marrow (BM) Due to Impaired Incorporation of CXCR4 and VLA-4 Into Membrane Lipid Rafts Show Defective SDF-1- and VCAM-1-Mediated Retention in BM What Leads to Their Increased Motility and Impaired Interaction with the BM Stem Cell Niche. *Blood*, **2012**, 120, 4251-4251 2.2
- 10 Novel Evidence That Hematopoietic Stem/Progenitor Cells (HSPCs) Are Mobilized During Hemolysis in an Erythrocyte Lysis-Derived, Sphingosine-1-Phosphate (S1P)-Dependent manner The Crucial Involvement of Complement Cascade (CC) Activation and Attenuation of CXCR4 Retention Signaling. *Blood*, **2012**, 120, 3189-3189 2.2
- 9 Most Primitive Murine Bone Marrow Hematopoietic Stem Cells Express Several Primordial Germline Cells (PGCs) Markers, Including SALL4 - a Proposed Developmental Link Between Hematopoietic and Primordial Germ Cell Lineages. *Blood*, **2012**, 120, 4745-4745 2.2

8	Novel Evidence That a Quiescent Murine Population of Bone Marrow (BM)-Residing, Developmentally Early, Very Small Sca-1+Lin <sup>-</sup> CD45 <sup>+</sup> Cells Is Highly Responsive to Prolonged Bleeding by in Vivo Proliferation and Differentiation Into CD45 <sup>+</sup> Hematopoietic Stem/Progenitor Cells (HSPCs). <i>Blood</i> , <b>2012</b> , 120, 1249-1249	2.2
7	New Molecular Evidence That Oct-4 Is Truly Expressed In a Rare Population Of Developmental Early Stem Cells In Human Umbilical Cord Blood (UCB) and That Epigenetic Modification Of Imprinting At Igf2-H19 Locus Regulates Their Quiescent State [Potential Implications For Regenerative Medicine]. <i>Blood</i> , <b>2012</b> , 120, 2000-2000	2.2
6	Novel In Vivo Evidence That Not Only Androgens But Also Pituitary Gonadotropins and Prolactin Directly Stimulate Murine Bone Marrow Stem Cells [Implications For Potential Treatment Strategies In Aplastic Anemias]. <i>Blood</i> , <b>2013</b> , 122, 2476-2476	2.2
5	Novel Evidence That Crosstalk Between Three Evolutionarily Ancient Proteolytic Enzyme Cascades (coagulation, fibrinolysis, and complement) Plays An Important Role In Mobilization Of Hematopoietic Stem/Progenitor Cells (HSPCs). <i>Blood</i> , <b>2013</b> , 122, 903-903	2.2
4	Novel Evidence That Human Umbilical Cord Blood-Purified CD133+ cells Secrete Several Soluble Factors and Microvesicles/Exosomes That Mediate Paracrine, Pro-Angiopoietic Effects Of These Cells [Implications For and Important Role Of Paracrine Effects in stem Cell Therapies In Regenerative Medicine]. <i>Blood</i> , <b>2013</b> , 122, 1216-1216	2.2
3	Novel Evidence That Sphingosine-1-Phosphate-Mediated Mobilization Of Hematopoietic Stem/Progenitor Cells (HSPCs) During Intravascular Hemolysis Requires Attenuation Of The SDF-1/CXCR4 Retention Axis Of HSPCs In Bone Marrow Niches [Implications For Paroxysmal Nocturnal Hemoglobinuria]. <i>Blood</i> , <b>2013</b> , 122, 2477-2477	2.2
2	Novel Therapeutic Approaches in Regenerative Medicine: Adult Tissue-Derived Very Small Embryonic-like Stem Cells and Harnessing Paracrine Signals of Adult Stem Cells. <i>Pancreatic Islet Biology</i> , <b>2014</b> , 19-33	0.4
1	Germinal Origin of Very Small Embryonic-Like Stem Cells (VSELs): Relation to Primordial Germ Cells. <i>Pancreatic Islet Biology</i> , <b>2022</b> , 243-262	0.4