

Magdalena J Kucia

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

241
papers

14,658
citations

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	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> , 2022 , 1	7.3	0
240	Germinal Origin of Very Small Embryonic-Like Stem Cells (VSELs): Relation to Primordial Germ Cells. <i>Pancreatic Islet Biology</i> , 2022 , 243-262	0.4	
239	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> , 2022 ,	10.7	1
238	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	2.2	
237	Hematopoiesis and innate immunity: an inseparable couple for good and bad times, bound together by an hormetic relationship. <i>Leukemia</i> , 2021 ,	10.7	1
236	The Nlrp3 inflammasome - the evolving story of its positive and negative effects on hematopoiesis. <i>Current Opinion in Hematology</i> , 2021 , 28, 251-261	3.3	5
235	Bone Marrow-Derived VSELs Engraft as Lung Epithelial Progenitor Cells after Bleomycin-Induced Lung Injury. <i>Cells</i> , 2021 , 10,	7.9	2
234	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	10.7	10
233	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> , 2021 ,	10.7	2
232	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> , 2021 , 17, 266-277	7.3	62
231	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> , 2021 , 17, 821-828	7.3	4
230	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> , 2021 , 35, 2658-2671	10.7	5
229	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	10.7	102
228	Innate immunity orchestrates the mobilization and homing of hematopoietic stem/progenitor cells by engaging purinergic signaling-an update. <i>Purinergic Signalling</i> , 2020 , 16, 153-166	3.8	12
227	The Nlrp3 inflammasome as a "rising star" in studies of normal and malignant hematopoiesis. <i>Leukemia</i> , 2020 , 34, 1512-1523	10.7	40
226	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	2.2	
225	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	2.2	

224	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	2.2	
223	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> , 2020 , 136, 3-3	2.2	4
222	Valproic Acid Decreases Endothelial Colony Forming Cells Differentiation and Induces Endothelial-to-Mesenchymal Transition-like Process. <i>Stem Cell Reviews and Reports</i> , 2020 , 16, 357-368	7.3	4
221	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	7.3	17
220	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> , 2020 , 11, 603942	8.4	4
219	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	7.3	19
218	Very Small Embryonic-Like Stem Cells (VSELs). <i>Circulation Research</i> , 2019 , 124, 208-210	15.7	59
217	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	6.4	35
216	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	6.4	17
215	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> , 2019 , 33, 2967-2970	10.7	10
214	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> , 2019 , 134, 4472-4472	2.2	3
213	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> , 2019 , 134, 4882-4882	2.2	
212	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> , 2019 , 134, 3248-3248	2.2	1
211	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> , 2019 , 134, 4468-4468	2.2	
210	Plausible Links Between Metabolic Networks, Stem Cells, and Longevity. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1201, 355-388	3.6	3
209	Hematopoietic Stem and Progenitor Cells (HSPCs). <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1201, 49-77	3.6	8
208	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	4.9	15
207	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	10.7	31

206	Sterile Inflammation of Brain, due to Activation of Innate Immunity, as a Culprit in Psychiatric Disorders. <i>Frontiers in Psychiatry</i> , 2018 , 9, 60	5	15
205	The Emerging Link Between the Complement Cascade and Purinergic Signaling in Stress Hematopoiesis. <i>Frontiers in Immunology</i> , 2018 , 9, 1295	8.4	17
204	Bioactive Sphingolipids, Complement Cascade, and Free Hemoglobin Levels in Stable Coronary Artery Disease and Acute Myocardial Infarction. <i>Mediators of Inflammation</i> , 2018 , 2018, 2691934	4.3	4
203	Novel evidence that pituitary sex hormones regulate migration, adhesion, and proliferation of embryonic stem cells and teratocarcinoma cells. <i>Oncology Reports</i> , 2018 , 39, 851-859	3.5	3
202	Novel Evidence That the Ectonucleotidases CD39 and CD73, Which Are Expressed on Hematopoietic Stem/Progenitor Cells (HSPCs), Regulate Mobilization and Homing - Studies in CD39 ^{-/-} and CD73 ^{-/-} Mice and with Small-Molecule CD39 and CD73 Inhibitors. <i>Blood</i> , 2018 , 132, 2060-2060	2.2	2
201	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> , 2018 , 132, 1522-1522	2.2	
200	Cancer from the perspective of stem cells and misappropriated tissue regeneration mechanisms. <i>Leukemia</i> , 2018 , 32, 2519-2526	10.7	33
199	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	15.7	77
198	Sirt1 Regulates DNA Methylation and Differentiation Potential of Embryonic Stem Cells by Antagonizing Dnmt3l. <i>Cell Reports</i> , 2017 , 18, 1930-1945	10.6	53
197	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> , 2017 , 50, 317-328	4.4	9
196	Novel pleiotropic effects of bioactive phospholipids in human lung cancer metastasis. <i>Oncotarget</i> , 2017 , 8, 58247-58263	3.3	18
195	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	5.7	9
194	Human haematopoietic stem/progenitor cells express several functional sex hormone receptors. <i>Journal of Cellular and Molecular Medicine</i> , 2016 , 20, 134-46	5.6	39
193	Evidence that a lipolytic enzyme--hematopoietic-specific phospholipase C- β --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, 919-28	10.7	30
192	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> , 2016 , 7, 3033-46	3.3	16
191	Novel Evidence That Hematopoietic-Specific PLC- β Is Required for Normal Homing and Engraftment of Hematopoietic Stem Cells. <i>Blood</i> , 2016 , 128, 3342-3342	2.2	
190	Heme Oxygenase 1 (HO-1) Is a Novel Negative Regulator of Normal and Malignant Hematopoietic Cell Trafficking. <i>Blood</i> , 2016 , 128, 2150-2150	2.2	
189	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> , 2016 , 7, 69829-69843	3.3	16

188	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, 5756901	5	46
187	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> , 2016 , 30, 2416-2419	10.7	10
186	Further evidence that paroxysmal nocturnal haemoglobinuria is a disorder of defective cell membrane lipid rafts. <i>Journal of Cellular and Molecular Medicine</i> , 2015 , 19, 2193-201	5.6	8
185	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, 18819-28	3.3	34
184	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> , 2015 , 240, 1107-11	3.7	10
183	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	5.5	33
182	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, 927-37	4.4	55
181	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> , 2015 , 53, 249-58	1.4	9
180	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. <i>Blood</i> , 2015 , 126, 1896-1896	2.2	
179	The Bone Marrow "Mystery Population" of Stem Cells 20 Years Later - a Puzzle Solved?. <i>Blood</i> , 2015 , 126, 2392-2392	2.2	
178	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, 473-84	10.7	74
177	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, 702-13	4.4	34
176	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, 2148-54	10.7	60
175	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	5.5	28
174	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> , 2014 , 18, 1797-806	5.6	16
173	Novel Evidence That Pituitary Gonadotropins Directly Stimulate Human Leukemic cells - Studies on Myeloid Cell Lines and Primary Patient AML and CML Cells. <i>Blood</i> , 2014 , 124, 2204-2204	2.2	1
172	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 β). <i>Blood</i> , 2014 , 124, 2448-2448	2.2	1
171	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> , 2014 , 124, 2925-2925	2.2	1

170	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> , 2014 , 124, 4019-4019	2.2	2
169	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> , 2014 , 124, 1588-1588	2.2	
168	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> , 2014 , 19-33	0.4	
167	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, 315-30		44
166	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> , 2013 , 6, 67	5.5	5
165	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	5.5	38
164	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, 422-30	4.4	58
163	Microvesicles and Their Emerging Role in Cellular Therapies for Organ and Tissue Regeneration 2013 , 203-216		
162	CD133 Expression Strongly Correlates with the Phenotype of Very Small Embryonic-/Epiblast-Like Stem Cells. <i>Advances in Experimental Medicine and Biology</i> , 2013 , 777, 125-41	3.6	9
161	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, 773-9	10.7	32
160	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> , 2013 , 2013, 814549	3	14
159	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	6.6	58
158	Ceramide-1-phosphate regulates migration of multipotent stromal cells and endothelial progenitor cells--implications for tissue regeneration. <i>Stem Cells</i> , 2013 , 31, 500-10	5.8	73
157	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, 281-90	4.4	22
156	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> , 2013 , 122, 1215-1215	2.2	1
155	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> , 2013 , 28, 1325-36	1.4	11
154	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> , 2013 , 122, 2393-2393	2.2	
153	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> , 2013 , 122, 2476-2476	2.2	

152	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> , 2013 , 122, 903-903	2.2	
151	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	2.2	
150	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-Induced Mobilization of HSPCs. <i>Blood</i> , 2013 , 122, 2477-2477	2.2	
149	Pluripotent and multipotent stem cells in adult tissues. <i>Advances in Medical Sciences</i> , 2012 , 57, 1-17	2.8	44
148	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> , 2012 , 26, 1722-5	10.7	15
147	Very Small Embryonic-Like Stem Cells (VSELs) and Importance in Growth 2012 , 1257-1271		
146	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> , 2012 , 5, 18	5.5	17
145	Application of Epiblast/Germ Line-Derived Very Small Embryonic-Like Stem Cells for Neurogenesis. <i>Stem Cells and Cancer Stem Cells</i> , 2012 , 259-269		
144	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	3.6	18
143	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, 1711-22	4.5	58
142	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, 1166-73	10.7	225
141	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	10.7	94
140	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, 184-94	6.4	75
139	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, 106-16	10.7	102
138	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, 1639-52	4.4	55
137	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, 736-45	10.7	63
136	RasGRF1 regulates proliferation and metastatic behavior of human alveolar rhabdomyosarcomas. <i>International Journal of Oncology</i> , 2012 , 41, 995-1004	4.4	16
135	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> , 2012 , 120, 3431-3431	2.2	1

134	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, 235-46	5.6	50
133	Bone Marrow-Derived Very Small Embryonic-Like Cells: Cell Regeneration in Pancreatic Tissue 2012 , 335-343		
132	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. <i>Blood</i> , 2012 , 120, 1192-1197	2.2	
131	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. <i>Blood</i> , 2012 , 120, 4740-4740	2.2	
130	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. <i>Blood</i> , 2012 , 120, 1256-1256	2.2	
129	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 Signaling. <i>Blood</i> , 2012 , 120, 3166-3166	2.2	
128	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. <i>Blood</i> , 2012 , 120, 4745-4745	2.2	
127	Novel Evidence That a Quiescent Murine Population of Bone Marrow (BM)-Residing, Developmentally Early, Very Small Sca-1+Lin ⁻ CD45 ⁻ Cells Is Highly Responsive to Prolonged Bleeding by in Vivo Proliferation and Differentiation Into CD45 ⁺ Hematopoietic Stem/Progenitor Cells (HSPCs). <i>Blood</i> , 2012 , 120, 1249-1249	2.2	
126	The role of pluripotent embryonic-like stem cells residing in adult tissues in regeneration and longevity. <i>Differentiation</i> , 2011 , 81, 153-61	3.5	47
125	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, 268-77	3.1	26
124	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, 729-33	10.7	46
123	Hematopoietic differentiation of umbilical cord blood-derived very small embryonic/epiblast-like stem cells. <i>Leukemia</i> , 2011 , 25, 1278-85	10.7	53
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