Kamila Bujko

List of Publications by Year in descending order

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36 papers	848 citations	516681 16 h-index	526264 27 g-index
39 all docs	39 docs citations	39 times ranked	1099 citing authors

#	Article	IF	Citations
1	The P2X4 purinergic receptor has emerged as a potent regulator of hematopoietic stem/progenitor cell mobilization and homingâ€"a novel view of P2X4 and P2X7 receptor interaction in orchestrating stem cell trafficking. Leukemia, 2022, 36, 248-256.	7.2	10
2	Novel Evidence That Alternative Pathway of Complement Cascade Activation is Required for Optimal Homing and Engraftment of Hematopoietic Stem/progenitor Cells. Stem Cell Reviews and Reports, 2022, 18, 1355-1365.	3.8	6
3	SARS-CoV-2 Entry Receptor ACE2 Is Expressed on Very Small CD45â^' Precursors of Hematopoietic and Endothelial Cells and in Response to Virus Spike Protein Activates the Nlrp3 Inflammasome. Stem Cell Reviews and Reports, 2021, 17, 266-277.	3.8	132
4	Danger-associated molecular pattern molecules take unexpectedly a central stage in Nlrp3 inflammasomeâ€"caspase-1-mediated trafficking of hematopoietic stem/progenitor cells. Leukemia, 2021, 35, 2658-2671.	7.2	14
5	Bone Marrow-Derived VSELs Engraft as Lung Epithelial Progenitor Cells after Bleomycin-Induced Lung Injury. Cells, 2021, 10, 1570.	4.1	11
6	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. Leukemia, 2021, 35, 3026-3029.	7.2	53
7	Nlrp3 Inflammasome Signaling Regulates the Homing and Engraftment of Hematopoietic Stem Cells (HSPCs) by Enhancing Incorporation of CXCR4 ReceptorÂinto Membrane Lipid Rafts. Stem Cell Reviews and Reports, 2020, 16, 954-967.	3.8	34
8	Innate immunity orchestrates the mobilization and homing of hematopoietic stem/progenitor cells by engaging purinergic signalingâ€"an update. Purinergic Signalling, 2020, 16, 153-166.	2.2	18
9	Pannexin-1 channel â€œfuelsâ€•by releasing ATP from bone marrow cells a state of sterile inflammation required for optimal mobilization and homing of hematopoietic stem cells. Purinergic Signalling, 2020, 16, 313-325.	2.2	17
10	The Nlrp3 inflammasome as a â€œrising starâ€•in studies of normal and malignant hematopoiesis. Leukemia, 2020, 34, 1512-1523.	7.2	73
11	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". Blood, 2020, 136, 8-8.	1.4	10
12	A Novel Underappreciated Role for the Extracellular Adenosine Triphosphate (ATP)-P2X4 Purinergic Receptor Axis in the Homing and Engraftment of HSPCs. Blood, 2020, 136, 32-32.	1.4	0
13	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. Blood, 2020, 136, 3-3.	1.4	0
14	An Overview of Novel Unconventional Mechanisms of Hematopoietic Development and Regulators of Hematopoiesis â€" a Roadmap for Future Investigations. Stem Cell Reviews and Reports, 2019, 15, 785-794.	3.8	20
15	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. Stem Cell Reviews and Reports, 2019, 15, 892-899.	3.8	30
16	The Complement Cascade as a Mediator of Human Malignant Hematopoietic Cell Trafficking. Frontiers in Immunology, 2019, 10, 1292.	4.8	13
17	The Nlrp3 Inflammasome Orchestrates Mobilization of Bone Marrow-Residing Stem Cells into Peripheral Blood. Stem Cell Reviews and Reports, 2019, 15, 391-403.	5.6	49
18	ATP-Nlrp3 Inflammasome-Complement Cascade Axis in Sterile Brain Inflammation in Psychiatric Patients and its Impact on Stem Cell Trafficking. Stem Cell Reviews and Reports, 2019, 15, 497-505.	5.6	23

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19	NLRP3 inflammasome couples purinergic signaling with activation of the complement cascade for the optimal release of cells from bone marrow. Leukemia, 2019, 33, 815-825.	7.2	45
20	Hematopoietic Stem and Progenitor Cells (HSPCs). Advances in Experimental Medicine and Biology, 2019, 1201, 49-77.	1.6	18
21	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. Blood, 2019, 134, 4472-4472.	1.4	3
22	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. Blood, 2019, 134, 4882-4882.	1.4	1
23	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. Blood, 2019, 134, 4468-4468.	1.4	0
24	Novel evidence that extracellular nucleotides and purinergic signaling induce innate immunity-mediated mobilization of hematopoietic stem/progenitor cells. Leukemia, 2018, 32, 1920-1931.	7.2	43
25	Cancer from the perspective of stem cells and misappropriated tissue regeneration mechanisms. Leukemia, 2018, 32, 2519-2526.	7.2	52
26	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. Blood, 2018, 132, 2060-2060.	1.4	3
27	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. Blood, 2018, 132, 4528-4528.	1.4	0
28	Do Cancer Cell Lines Have Fixed or Fluctuating Stem Cell Phenotypes? â€“ Studies with the NTera2 Cell Line. Stem Cell Reviews and Reports, 2017, 13, 603-610.	5.6	10
29	Signaling of the Complement Cleavage Product Anaphylatoxin C5a Through C5aR (CD88) Contributes to Pharmacological Hematopoietic Stem Cell Mobilization. Stem Cell Reviews and Reports, 2017, 13, 793-800.	5.6	18
30	Activation of the complement cascade enhances motility of leukemic cells by downregulating expression of HO-1. Leukemia, 2017, 31, 446-458.	7.2	50
31	Novel evidence that pituitary sex hormones regulate migration, adhesion, and proliferation of embryonic stem cells and teratocarcinoma cells. Oncology Reports, 2017, 39, 851-859.	2.6	5
32	Novel pleiotropic effects of bioactive phospholipids in human lung cancer metastasis. Oncotarget, 2017, 8, 58247-58263.	1.8	25
33	Study of bovine Mef2B gene: the temporal-spatial expression patterns, polymorphism and association analysis with meat production traits1,2. Journal of Animal Science, 2016, 94, 4536-4548.	0.5	4
34	Effect of Inorganic Dietary Selenium Supplementation on Selenoprotein and Lipid Metabolism Gene Expression Patterns in Liver and Loin Muscle of Growing Lambs. Biological Trace Element Research, 2016, 172, 336-345.	3.5	28
35	Stem cells and clinical practice: new advances and challenges at the time of emerging problems with induced pluripotent stem cell therapies. Polish Archives of Internal Medicine, 2016, 126, 879-890.	0.4	14
36	NADPH-Cytochrome P450 Reductase Is Regulated by All-Trans Retinoic Acid and by 1,25-Dihydroxyvitamin D3 in Human Acute Myeloid Leukemia Cells. PLoS ONE, 2014, 9, e91752.	2.5	13