

# Karin Golan

## List of Publications by Year in descending order

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31  
papers

1,765  
citations

759233

12  
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677142

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times ranked

3341  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lactate released by inflammatory bone marrow neutrophils induces their mobilization via endothelial GPR81 signaling. <i>Nature Communications</i> , 2020, 11, 3547.	12.8	93
2	Bone marrow regeneration requires mitochondrial transfer from donor Cx43-expressing hematopoietic progenitors to stroma. <i>Blood</i> , 2020, 136, 2607-2619.	1.4	47
3	Daily light and darkness onset and circadian rhythms metabolically synchronize hematopoietic stem cell differentiation and maintenance: The role of bone marrow norepinephrine, tumor necrosis factor, and melatonin cycles. <i>Experimental Hematology</i> , 2019, 78, 1-10.	0.4	23
4	Daily light-and-darkness onset regulates mouse hematopoietic stem cells. <i>Blood Advances</i> , 2019, 3, 704-704.	5.2	3
5	Acute Inflammation Induces Lactate Release By Bone Marrow Neutrophils That Promotes Their Mobilization Via Endothelial GPR81 Signaling. <i>Blood</i> , 2019, 134, 3582-3582.	1.4	0
6	Daily Onset of Light and Darkness Differentially Controls Hematopoietic Stem Cell Differentiation and Maintenance. <i>Cell Stem Cell</i> , 2018, 23, 572-585.e7.	11.1	86
7	Bone Marrow Hematopoietic Connexin 43 Is Required for Mitotransfer and AMPK Dependent Mesenchymal Microenvironment Regeneration after Irradiation. <i>Blood</i> , 2018, 132, 872-872.	1.4	2
8	Connexin-43 Is a Negative Regulator of Mitochondrial Fission, Mitophagy and Apoptosis of Dividing Hematopoietic Stem Cells through the Drp1-Pink1 Axis. <i>Blood</i> , 2018, 132, 639-639.	1.4	2
9	Nocturnal Melatonin Renews Bone and Blood Forming Stem Cells Reservoir By Metabolic Reprograming. <i>Blood</i> , 2018, 132, 3326-3326.	1.4	0
10	Distinct bone marrow blood vessels differentially regulate haematopoiesis. <i>Nature</i> , 2016, 532, 323-328.	27.8	553
11	Mitochondria Transfer from Hematopoietic Stem and Progenitor Cells to Pdgfr $\alpha$ <sup>+</sup> /Sca-1-/CD48 <sup>dim</sup> BM Stromal Cells Via CX43 Gap Junctions and AMPK Signaling Inversely Regulate ROS Generation in Both Cell Populations. <i>Blood</i> , 2016, 128, 5-5.	1.4	11
12	Daily Light and Darkness Signals Regulate Bone Marrow Stem Cell Development and Leukocyte Production Via Tnfr $\alpha$ and an Interplay Between Norepinephrine and Melatonin. <i>Blood</i> , 2016, 128, 721-721.	1.4	1
13	EPCR Guides Hematopoietic Stem Cells Homing to the Bone Marrow Independently of Niche Clearance. <i>Blood</i> , 2016, 128, 4538-4538.	1.4	0
14	An MTCH2 pathway repressing mitochondria metabolism regulates haematopoietic stem cell fate. <i>Nature Communications</i> , 2015, 6, 7901.	12.8	187
15	PAR1 signaling regulates the retention and recruitment of EPCR-expressing bone marrow hematopoietic stem cells. <i>Nature Medicine</i> , 2015, 21, 1307-1317.	30.7	125
16	EPCR/PAR1 Signaling Navigates Long-Term Repopulating Hematopoietic Stem Cell Bone Marrow Homing to Thrombomodulin-Enriched Blood Vessels. <i>Blood</i> , 2015, 126, 33-33.	1.4	3
17	Reactive Oxygen Species Regulate Hematopoietic Stem Cell Self-Renewal, Migration and Development, As Well As Their Bone Marrow Microenvironment. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 1605-1619.	5.4	241
18	Dynamic Cross Talk between S1P and CXCL12 Regulates Hematopoietic Stem Cells Migration, Development and Bone Remodeling. <i>Pharmaceuticals</i> , 2013, 6, 1145-1169.	3.8	37

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19	Hematopoietic Stem Cells and Their BM Stromal Microenvironment Share a Dynamic Inverse Metabolic State During Quiescence and Proliferation Via ROS Transfer Between The Two Populations. Blood, 2013, 122, 587-587.	1.4	0
20	Regulation Of Hematopoietic Stem Cell Trafficking By The Coagulation Pathway. Blood, 2013, 122, 456-456.	1.4	2
21	EPCR Limits Nitric Oxide Levels, Mediating Human and Murine Stem Cell Adhesion and Retention In The Bone Marrow, By Conjugating PAR1 and CXCR4 Signaling. Blood, 2013, 122, 795-795.	1.4	0
22	Blood Cell Replenishment and Bone Marrow Stem Cell Pool Renewal Are Regulated By Different Circadian Peaks Via Norepinephrine and TNF $\alpha$ /S1P Signaling. Blood, 2013, 122, 217-217.	1.4	0
23	Human and Murine $\beta$ -Defensin-Derived Peptides Induce Rapid Mobilization Of Murine Hematopoietic Stem and Progenitor Cells Via Activation Of CXCR4 Signaling and CXCL12 Release. Blood, 2013, 122, 890-890.	1.4	0
24	S1P promotes murine progenitor cell egress and mobilization via S1P1-mediated ROS signaling and SDF-1 release. Blood, 2012, 119, 2478-2488.	1.4	175
25	Microrna-155 Promotes Hematopoietic Stem and Progenitor Cell Mobilization and Proliferation. Blood, 2012, 120, 214-214.	1.4	4
26	Endothelial Blood-Bone Marrow-Barrier Dynamically Regulates Balanced Stem and Progenitor Cell Trafficking and Maintenance. Blood, 2012, 120, 507-507.	1.4	0
27	CXCL12 secretion by bone marrow stromal cells is dependent on cell contact and mediated by connexin-43 and connexin-45 gap junctions. Nature Immunology, 2011, 12, 391-398.	14.5	142
28	MT1-MMP and RECK: opposite and essential roles in hematopoietic stem and progenitor cell retention and migration. Journal of Molecular Medicine, 2011, 89, 1167-1174.	3.9	20
29	Coagulation Factor Thrombin Regulates Hematopoietic Stem and Progenitor Cell Egress and Mobilization Via PAR-1 & CXCR4 Upregulation, SDF-1 Secretion and EPCR Shedding. Blood, 2011, 118, 2341-2341.	1.4	1
30	The Chemotactic Lipid S1P Regulates Hematopoietic Progenitor Cell Egress and Mobilization Via Its Major Receptor S1P1 and by SDF-1 Inhibition In a p38/Akt/mTOR Dependent Manner. Blood, 2010, 116, 553-553.	1.4	7
31	GSK3 $\beta$ Signaling Regulates the Motility of Hematopoietic Progenitors Via Prune.. Blood, 2010, 116, 1553-1553.	1.4	0