Olga I Gan

List of Publications by Year in Descending Order

44 papers	4,053 citations	21 h-index	49 g-index
49 ext. papers	4,650 ext. citations	12.5 avg, IF	4.69 L-index

#	Paper	IF	Citations
44	Multiomic Profiling of Central Nervous System Leukemia Identifies mRNA Translation as a Therapeutic Target.. *Blood Cancer Discovery*, **2022**, 3, 16-31	7	0
43	Identification of the global miR-130a targetome reveals a role for TBL1XR1 in hematopoietic stem cell self-renewal and t(8;21) AML.. *Cell Reports*, **2022**, 38, 110481	10.6	0
42	Sphingosine-1-phosphate receptor 3 potentiates inflammatory programs in normal and leukemia stem cells to promote differentiation. *Blood Cancer Discovery*, **2021**, 2, 32-53	7	9
41	A latent subset of human hematopoietic stem cells resists regenerative stress to preserve stemness. *Nature Immunology*, **2021**, 22, 723-734	19.1	1
40	Mapping the cellular origin and early evolution of leukemia in Down syndrome. *Science*, **2021**, 373,	33.3	8
39	The Transition from Quiescent to Activated States in Human Hematopoietic Stem Cells Is Governed by Dynamic 3D Genome Reorganization. *Cell Stem Cell*, **2021**, 28, 488-501.e10	18	11
38	TFEB-mediated endolysosomal activity controls human hematopoietic stem cell fate. *Cell Stem Cell*, **2021**, 28, 1838-1850.e10	18	4
37	Dichotomous Regulation of Lysosomes By MYC and Tfeb Controls Hematopoietic Stem Cell Fate. *Blood*, **2020**, 136, 34-34	2.2	
36	Inherited myeloproliferative neoplasm risk affects haematopoietic stem cells. *Nature*, **2020**, 586, 769-775	50.4	32
35	Relapse-Fated Latent Diagnosis Subclones in Acute B Lineage Leukemia Are Drug Tolerant and Possess Distinct Metabolic Programs. *Cancer Discovery*, **2020**, 10, 568-587	24.4	37
34	An Enhancer-Based Reporter Identifies Leukemia Cells with Elevated Leukemogenic Potential Driven by ERG-USP9X Feed-Forward Regulation. *Cancer Research*, **2019**, 79, 3862-3876	10.1	3
33	Sphingolipid Modulation Activates Proteostasis Programs to Govern Human Hematopoietic Stem Cell Self-Renewal. *Cell Stem Cell*, **2019**, 25, 639-653.e7	18	40
32	Functional profiling of single CRISPR/Cas9-edited human long-term hematopoietic stem cells. *Nature Communications*, **2019**, 10, 4730	17.4	15
31	SMYD2 lysine methyltransferase regulates leukemia cell growth and regeneration after genotoxic stress. *Oncotarget*, **2017**, 8, 16712-16727	3.3	13
30	Ectopic miR-125a Expression Induces Long-Term Repopulating Stem Cell Capacity in Mouse and Human Hematopoietic Progenitors. *Cell Stem Cell*, **2016**, 19, 383-96	18	40
29	Distinct routes of lineage development reshape the human blood hierarchy across ontogeny. *Science*, **2016**, 351, aab2116	33.3	445
28	The Human Blood Hierarchy Is Shaped By Distinct Progenitor Lineages Across Development. *Blood*, **2015**, 126, 2360-2360	2.2	

27	Variable clonal repopulation dynamics influence chemotherapy response in colorectal cancer. *Science*, **2013**, 339, 543-8	33.3	550
26	A distinctive DNA damage response in human hematopoietic stem cells reveals an apoptosis-independent role for p53 in self-renewal. *Cell Stem Cell*, **2010**, 7, 186-97	18	213
25	CD47-Sirp□Interaction Modulates Homing and Engraftment of Human Acute Myeloid Leukemia Stem Cells in Mice.. *Blood*, **2009**, 114, 476-476	2.2	
24	Polymorphism in Sirpa modulates engraftment of human hematopoietic stem cells. *Nature Immunology*, **2007**, 8, 1313-23	19.1	369
23	Reversible cell surface expression of CD38 on CD34-positive human hematopoietic repopulating cells. *Experimental Hematology*, **2007**, 35, 1429-36	3.1	38
22	Low rhodamine 123 retention identifies long-term human hematopoietic stem cells within the Lin-CD34+CD38- population. *Blood*, **2007**, 109, 543-5	2.2	74
21	Identification of a New Genetic Determinant Controlling Human Hematopoietic Stem Cell Engraftment.. *Blood*, **2007**, 110, 175-175	2.2	
20	Individual stem cells with highly variable proliferation and self-renewal properties comprise the human hematopoietic stem cell compartment. *Nature Immunology*, **2006**, 7, 1225-33	19.1	139
19	Mouse Model for Shwachman-Diamond Syndrome with the R126T Disease Mutation Leads to Severe Growth and Developmental Deficiencies with Impairment of Hematopoiesis.. *Blood*, **2006**, 108, 1283-1283	2.2	
18	Human short-term repopulating stem cells are efficiently detected following intrafemoral transplantation into NOD/SCID recipients depleted of CD122+ cells. *Blood*, **2005**, 106, 1259-61	2.2	122
17	Lentivector-mediated clonal tracking reveals intrinsic heterogeneity in the human hematopoietic stem cell compartment and culture-induced stem cell impairment. *Blood*, **2004**, 103, 545-52	2.2	126
16	Development of a Novel NOD/SCID Transplant System That Provides Enhanced Detection of Rapid-SRC and Insight into Their Self-Renewal and Mobilization.. *Blood*, **2004**, 104, 249-249	2.2	5
15	SRC within the Lin-CD34+CD38+/Lo Population Possess Heterogeneous Migration, Repopulation, and Self-Renewal Potential.. *Blood*, **2004**, 104, 2670-2670	2.2	
14	Rapid myeloerythroid repopulation after intrafemoral transplantation of NOD-SCID mice reveals a new class of human stem cells. *Nature Medicine*, **2003**, 9, 959-63	50.5	240
13	Characterization of cord blood hematopoietic stem cells. *Annals of the New York Academy of Sciences*, **2003**, 996, 67-71	6.5	20
12	Short-term granulocyte colony-stimulating factor and erythropoietin treatment enhances hematopoiesis and survival in the mitomycin C-conditioned Fancc(-/-) mouse model, while long-term treatment is ineffective. *Blood*, **2002**, 100, 1499-501	2.2	8
11	In vivo dynamics of human stem cell repopulation in NOD/SCID mice. *Annals of the New York Academy of Sciences*, **2001**, 938, 184-90	6.5	14
10	Distinct classes of human stem cells that differ in proliferative and self-renewal potential. *Nature Immunology*, **2001**, 2, 75-82	19.1	272

9	Expansion of human cord blood CD34+CD38ells in ex vivo culture during retroviral transduction without a corresponding increase in SCID repopulating cell (SRC) frequency: dissociation of SRC phenotype and function. *Blood*, **2000**, 95, 102-110	2.2	217
8	Transduction of human CD34+ CD38- bone marrow and cord blood-derived SCID-repopulating cells with third-generation lentiviral vectors. *Molecular Therapy*, **2000**, 1, 566-73	11.7	163
7	Expansion of human cord blood CD34+CD38ells in ex vivo culture during retroviral transduction without a corresponding increase in SCID repopulating cell (SRC) frequency: dissociation of SRC phenotype and function. *Blood*, **2000**, 95, 102-110	2.2	3
6	Characterization and retroviral transduction of an early human lymphomyeloid precursor assayed in nonswitched long-term culture on murine stroma. *Experimental Hematology*, **1999**, 27, 1097-106	3.1	17
5	Hematopoietic compartment of Fanconi anemia group C null mice contains fewer lineage-negative CD34+ primitive hematopoietic cells and shows reduced reconstruction ability. *Experimental Hematology*, **1999**, 27, 1667-74	3.1	50
4	A newly discovered class of human hematopoietic cells with SCID-repopulating activity. *Nature Medicine*, **1998**, 4, 1038-45	50.5	556
3	Bone Marrow Failure in the Fanconi Anemia Group C Mouse Model After DNA Damage. *Blood*, **1998**, 91, 2737-2744	2.2	58
2	Differential Maintenance of Primitive Human SCID-Repopulating Cells, Clonogenic Progenitors, and Long-Term Culture-Initiating Cells After Incubation on Human Bone Marrow Stromal Cells. *Blood*, **1997**, 90, 641-650	2.2	140
1	Genetic predisposition to myeloproliferative neoplasms implicates hematopoietic stem cell biology		1