Mira Jeong

List of Publications by Year in descending order

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58 papers	4,821 citations	236925 25 h-index	276875 41 g-index
59 all docs	59 docs citations	59 times ranked	8906 citing authors

#	Article	IF	Citations
1	Dnmt3a is essential for hematopoietic stem cell differentiation. Nature Genetics, 2012, 44, 23-31.	21.4	916
2	Epigenomic Profiling of Young and Aged HSCs Reveals Concerted Changes during Aging that Reinforce Self-Renewal. Cell Stem Cell, 2014, 14, 673-688.	11.1	524
3	Dnmt3a and Dnmt3b Have Overlapping and Distinct Functions in Hematopoietic Stem Cells. Cell Stem Cell, 2014, 15, 350-364.	11.1	288
4	Large conserved domains of low DNA methylation maintained by Dnmt3a. Nature Genetics, 2014, 46, 17-23.	21.4	276
5	PPM1D Mutations Drive Clonal Hematopoiesis in Response to Cytotoxic Chemotherapy. Cell Stem Cell, 2018, 23, 700-713.e6.	11.1	272
6	Inhibition of the B7-H3 immune checkpoint limits tumor growth by enhancing cytotoxic lymphocyte function. Cell Research, 2017, 27, 1034-1045.	12.0	259
7	DNMT3A and TET2 compete and cooperate to repress lineage-specific transcription factors in hematopoietic stem cells. Nature Genetics, 2016, 48, 1014-1023.	21.4	200
8	Chronic Infection Depletes Hematopoietic Stem Cells through Stress-Induced Terminal Differentiation. Cell Reports, 2016, 17, 2584-2595.	6.4	196
9	Less Is More: Unveiling the Functional Core of Hematopoietic Stem Cells through Knockout Mice. Cell Stem Cell, 2012, 11, 302-317.	11.1	164
10	Loss of Dnmt3a Immortalizes Hematopoietic Stem Cells InÂVivo. Cell Reports, 2018, 23, 1-10.	6.4	159
11	Targeted DNA methylation in vivo using an engineered dCas9-MQ1 fusion protein. Nature Communications, 2017, 8, 16026.	12.8	158
12	DNA epigenome editing using CRISPR-Cas SunTag-directed DNMT3A. Genome Biology, 2017, 18, 176.	8.8	153
13	Long Non-Coding RNAs Control Hematopoietic Stem Cell Function. Cell Stem Cell, 2015, 16, 426-438.	11.1	147
14	Acute loss of TET function results in aggressive myeloid cancer in mice. Nature Communications, 2015, 6, 10071.	12.8	147
15	DNMT3A and TET1 cooperate to regulate promoter epigenetic landscapes in mouse embryonic stem cells. Genome Biology, 2018, 19, 88.	8.8	120
16	Flow cytometry analysis of murine hematopoietic stem cells. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2013, 83A, 27-37.	1.5	107
17	DOT1L as a therapeutic target for the treatment of DNMT3A-mutant acute myeloid leukemia. Blood, 2016, 128, 971-981.	1.4	107
18	DNMT3A Loss Drives Enhancer Hypomethylation in FLT3-ITD-Associated Leukemias. Cancer Cell, 2016, 29, 922-934.	16.8	107

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19	Genomic Hypomethylation in the Human Germline Associates with Selective Structural Mutability in the Human Genome. PLoS Genetics, 2012, 8, e1002692.	3.5	80
20	Large DNA Methylation Nadirs Anchor Chromatin Loops Maintaining Hematopoietic Stem Cell Identity. Molecular Cell, 2020, 78, 506-521.e6.	9.7	72
21	VDUP1 mediates nuclear export of HIF1Î± via CRM1-dependent pathway. Biochimica Et Biophysica Acta - Molecular Cell Research, 2008, 1783, 838-848.	4.1	57
22	Thioredoxin-Interacting Protein Regulates Hematopoietic Stem Cell Quiescence and Mobilization under Stress Conditions. Journal of Immunology, 2009, 183, 2495-2505.	0.8	49
23	New answers to old questions from genome-wide maps of DNA methylation in hematopoietic cells. Experimental Hematology, 2014, 42, 609-617.	0.4	37
24	The disordered N-terminal domain of DNMT3A recognizes H2AK119ub and is required for postnatal development. Nature Genetics, 2022, 54, 625-636.	21.4	31
25	Pseudomonas aeruginosa Eliminates Natural Killer Cells via Phagocytosis-Induced Apoptosis. PLoS Pathogens, 2009, 5, e1000561.	4.7	29
26	Dnmt3a loss and Idh2 neomorphic mutations mutually potentiate malignant hematopoiesis. Blood, 2020, 135, 845-856.	1.4	27
27	The safety and clinical effects of administering a multiantigen-targeted T cell therapy to patients with multiple myeloma. Science Translational Medicine, 2020, 12, .	12.4	25
28	Osteopontin Promotes the Development of Natural Killer Cells from Hematopoietic Stem Cells. Stem Cells, 2008, 26, 2114-2123.	3.2	24
29	Isolation and Characterization of Mouse Side Population Cells. Methods in Molecular Biology, 2013, 946, 151-162.	0.9	20
30	TXNIP regulates germinal center generation by suppressing BCL-6 expression. Immunology Letters, 2010, 129, 78-84.	2.5	17
31	VDUP1 exacerbates bacteremic shock in mice infected with Pseudomonas aeruginosa. Cellular Immunology, 2012, 280, 1-9.	3.0	11
32	Dnmt3a Is Essential for Hematopoietic Stem Cell Differentiation. Blood, 2011, 118, 386-386.	1.4	7
33	Genome-Wide Analysis of DNA Methylation in Hematopoietic Cells: DNA Methylation Analysis by WGBS. Methods in Molecular Biology, 2017, 1633, 137-149.	0.9	5
34	Dnmt3b Has Few Specific Functions In Adult Hematopoietic Stem Cells But Shows Abnormal Activity In The Absence Of Dnmt3a. Blood, 2013, 122, 734-734.	1.4	5
35	IL-22 producing NKp46+ innate lymphoid cells can differentiate from hematopoietic precursor cells. Immunology Letters, 2011, 141, 61-67.	2.5	3
36	Confounding by Repetitive Elements and CpG Islands Does Not Explain the Association between Hypomethylation and Genomic Instability. PLoS Genetics, 2013, 9, e1003333.	3.5	3

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37	DNA Epigenome Editing Using Crispr-Cas Suntag-Directed DNMT3A. Blood, 2016, 128, 2707-2707.	1.4	3
38	Dnmt3a Deletion and FLT3-ITD Cooperate in a Mouse Model of T-Lymphoblastic Leukemia (T-ALL).. Blood, 2012, 120, 2428-2428.	1.4	2
39	Haploinsufficiency of cohesin protease, Separase, promotes regeneration of hematopoietic stem cells in mice. Stem Cells, 2020, 38, 1624-1636.	3.2	1
40	Dnmt3a-Deletion Accelerates FLT3-ITD Malignancies In Mice By Hypomethylation Of Enhancer Sites and Activating Stem Cell Programs; Implications For Therapy. Blood, 2013, 122, 595-595.	1.4	1
41	Chronic Infection Depletes Hematopoietic Stem Cells through Stress-Induced Terminal Differentiation. Blood, 2016, 128, 732-732.	1.4	1
42	Terminal Differentiation Is the Major Route of Hematopoietic Stem Cell Loss During Chronic Infection. Open Forum Infectious Diseases, 2016, 3, .	0.9	0
43	Expression of Gpnmb in NK Cell Development from Hematopoietic Stem Cells. Immune Network, 2008, 8, 53.	3.6	0
44	Genome Wide DNA Methylation and Transcriptome Analysis in HSC Aging. Blood, 2011, 118, 2367-2367.	1.4	0
45	HSC Aging Epigenome: Widespread Alterations in DNA Methylation and Transcription.. Blood, 2012, 120, 2329-2329.	1.4	0
46	Dnmt3b Is Dispensable for Hematopoietic Stem Cell Differentiation, but Acts Synergistically with Dnmt3a to Control the Balance Between Self-Renewal and Differentiation. Blood, 2012, 120, 848-848.	1.4	0
47	Histone Alterations Are Associated with Hematopoietic Stem Cell (HSC) Differentiation and Aging. Blood, 2012, 120, 1188-1188.	1.4	0
48	Long Non-Coding RNAs Control Hematopoietic Stem Cells (HSC) Function. Blood, 2013, 122, 48-48.	1.4	0
49	Large Conserved Domains Of Low DNA Methylation Maintained By 5-Hydroxymethycytosine and Dnmt3a. Blood, 2013, 122, 2406-2406.	1.4	0
50	Combined Effect Of Dnmt3a Loss-Of-Function and Idh2 neomorphic mutation Promotes Hematopoietic Malignancy. Blood, 2013, 122, 884-884.	1.4	0
51	Dnmt3a and Tet2 interact to Repress differentiation lineage-specific transcriptional factors in Hematopoietic Stem Cells By the Regulation of Epigenome. Blood, 2014, 124, 242-242.	1.4	0
52	DOT1L As a Therapeutic Target for the Treatment of DNMT3A-Mutant Acute Myeloid Leukemia. Blood, 2014, 124, 614-614.	1.4	0
53	Chronic Infection Drives Hematopoietic Stem Cell Exhaustion through Differentiation and a Lowered Threshold for Apoptosis. Blood, 2015, 126, 2406-2406.	1.4	0
54	High Order Chromatin Structure Regulates Gene Expression in Hematopoietic Stem Cell Self-Renewal and Erythroid Differentiation. Blood, 2016, 128, 1033-1033.	1.4	0

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55	Crispr Engineering in CD34+ Progenitors Reveals Cis-Acting Regulatory Regions Mediating 3D Interactions and Stem Cell Fate Decisions. Blood, 2016, 128, 1466-1466.	1.4	0
56	High Prevalence of PPM1D Mutations in Therapy-Related AML/MDS Is Due to Context-Specific Clonal Hematopoiesis. Blood, 2018, 132, 746-746.	1.4	0
57	A Gene Depleted DNA Methylation Canyon Maintains Hematopoietic Stem Cell Self-Renewal and NPM1c+ Leukemia By Regulating the Gene Expression of HOXA Cluster. Blood, 2018, 132, 649-649.	1.4	0
58	Single Cell Profiling of DNMT3A-Mutant Progenitors Reveals LY86 As a Novel Pre-Leukemia Marker and Potential Therapeutic Target. Blood, 2019, 134, 2724-2724.	1.4	0