

Mira Jeong

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

4,821
citations

236833

25
h-index

276775

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. <i>Nature Genetics</i> , 2012, 44, 23-31.	9.4	916
2	Epigenomic Profiling of Young and Aged HSCs Reveals Concerted Changes during Aging that Reinforce Self-Renewal. <i>Cell Stem Cell</i> , 2014, 14, 673-688.	5.2	524
3	Dnmt3a and Dnmt3b Have Overlapping and Distinct Functions in Hematopoietic Stem Cells. <i>Cell Stem Cell</i> , 2014, 15, 350-364.	5.2	288
4	Large conserved domains of low DNA methylation maintained by Dnmt3a. <i>Nature Genetics</i> , 2014, 46, 17-23.	9.4	276
5	PPM1D Mutations Drive Clonal Hematopoiesis in Response to Cytotoxic Chemotherapy. <i>Cell Stem Cell</i> , 2018, 23, 700-713.e6.	5.2	272
6	Inhibition of the B7-H3 immune checkpoint limits tumor growth by enhancing cytotoxic lymphocyte function. <i>Cell Research</i> , 2017, 27, 1034-1045.	5.7	259
7	DNMT3A and TET2 compete and cooperate to repress lineage-specific transcription factors in hematopoietic stem cells. <i>Nature Genetics</i> , 2016, 48, 1014-1023.	9.4	200
8	Chronic Infection Depletes Hematopoietic Stem Cells through Stress-Induced Terminal Differentiation. <i>Cell Reports</i> , 2016, 17, 2584-2595.	2.9	196
9	Less Is More: Unveiling the Functional Core of Hematopoietic Stem Cells through Knockout Mice. <i>Cell Stem Cell</i> , 2012, 11, 302-317.	5.2	164
10	Loss of Dnmt3a Immortalizes Hematopoietic Stem Cells In Vivo. <i>Cell Reports</i> , 2018, 23, 1-10.	2.9	159
11	Targeted DNA methylation in vivo using an engineered dCas9-MQ1 fusion protein. <i>Nature Communications</i> , 2017, 8, 16026.	5.8	158
12	DNA epigenome editing using CRISPR-Cas SunTag-directed DNMT3A. <i>Genome Biology</i> , 2017, 18, 176.	3.8	153
13	Long Non-Coding RNAs Control Hematopoietic Stem Cell Function. <i>Cell Stem Cell</i> , 2015, 16, 426-438.	5.2	147
14	Acute loss of TET function results in aggressive myeloid cancer in mice. <i>Nature Communications</i> , 2015, 6, 10071.	5.8	147
15	DNMT3A and TET1 cooperate to regulate promoter epigenetic landscapes in mouse embryonic stem cells. <i>Genome Biology</i> , 2018, 19, 88.	3.8	120
16	Flow cytometry analysis of murine hematopoietic stem cells. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2013, 83A, 27-37.	1.1	107
17	DOT1L as a therapeutic target for the treatment of DNMT3A-mutant acute myeloid leukemia. <i>Blood</i> , 2016, 128, 971-981.	0.6	107
18	DNMT3A Loss Drives Enhancer Hypomethylation in FLT3-ITD-Associated Leukemias. <i>Cancer Cell</i> , 2016, 29, 922-934.	7.7	107

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19	Genomic Hypomethylation in the Human Germline Associates with Selective Structural Mutability in the Human Genome. <i>PLoS Genetics</i> , 2012, 8, e1002692.	1.5	80
20	Large DNA Methylation Nadirs Anchor Chromatin Loops Maintaining Hematopoietic Stem Cell Identity. <i>Molecular Cell</i> , 2020, 78, 506-521.e6.	4.5	72
21	VDUP1 mediates nuclear export of HIF1 α via CRM1-dependent pathway. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2008, 1783, 838-848.	1.9	57
22	Thioredoxin-Interacting Protein Regulates Hematopoietic Stem Cell Quiescence and Mobilization under Stress Conditions. <i>Journal of Immunology</i> , 2009, 183, 2495-2505.	0.4	49
23	New answers to old questions from genome-wide maps of DNA methylation in hematopoietic cells. <i>Experimental Hematology</i> , 2014, 42, 609-617.	0.2	37
24	The disordered N-terminal domain of DNMT3A recognizes H2AK119ub and is required for postnatal development. <i>Nature Genetics</i> , 2022, 54, 625-636.	9.4	31
25	<i>Pseudomonas aeruginosa</i> Eliminates Natural Killer Cells via Phagocytosis-Induced Apoptosis. <i>PLoS Pathogens</i> , 2009, 5, e1000561.	2.1	29
26	Dnmt3a loss and Idh2 neomorphic mutations mutually potentiate malignant hematopoiesis. <i>Blood</i> , 2020, 135, 845-856.	0.6	27
27	The safety and clinical effects of administering a multiantigen-targeted T cell therapy to patients with multiple myeloma. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	25
28	Osteopontin Promotes the Development of Natural Killer Cells from Hematopoietic Stem Cells. <i>Stem Cells</i> , 2008, 26, 2114-2123.	1.4	24
29	Isolation and Characterization of Mouse Side Population Cells. <i>Methods in Molecular Biology</i> , 2013, 946, 151-162.	0.4	20
30	TXNIP regulates germinal center generation by suppressing BCL-6 expression. <i>Immunology Letters</i> , 2010, 129, 78-84.	1.1	17
31	VDUP1 exacerbates bacteremic shock in mice infected with <i>Pseudomonas aeruginosa</i> . <i>Cellular Immunology</i> , 2012, 280, 1-9.	1.4	11
32	Dnmt3a Is Essential for Hematopoietic Stem Cell Differentiation. <i>Blood</i> , 2011, 118, 386-386.	0.6	7
33	Genome-Wide Analysis of DNA Methylation in Hematopoietic Cells: DNA Methylation Analysis by WGBS. <i>Methods in Molecular Biology</i> , 2017, 1633, 137-149.	0.4	5
34	Dnmt3b Has Few Specific Functions In Adult Hematopoietic Stem Cells But Shows Abnormal Activity In The Absence Of Dnmt3a. <i>Blood</i> , 2013, 122, 734-734.	0.6	5
35	IL-22 producing NKp46+ innate lymphoid cells can differentiate from hematopoietic precursor cells. <i>Immunology Letters</i> , 2011, 141, 61-67.	1.1	3
36	Confounding by Repetitive Elements and CpG Islands Does Not Explain the Association between Hypomethylation and Genomic Instability. <i>PLoS Genetics</i> , 2013, 9, e1003333.	1.5	3

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37	DNA Epigenome Editing Using Crispr-Cas Suntag-Directed DNMT3A. <i>Blood</i> , 2016, 128, 2707-2707.	0.6	3
38	Dnmt3a Deletion and FLT3-ITD Cooperate in a Mouse Model of T-Lymphoblastic Leukemia (T-ALL).. <i>Blood</i> , 2012, 120, 2428-2428.	0.6	2
39	Haploinsufficiency of cohesin protease, Separase, promotes regeneration of hematopoietic stem cells in mice. <i>Stem Cells</i> , 2020, 38, 1624-1636.	1.4	1
40	Dnmt3a-Deletion Accelerates FLT3-ITD Malignancies In Mice By Hypomethylation Of Enhancer Sites and Activating Stem Cell Programs; Implications For Therapy. <i>Blood</i> , 2013, 122, 595-595.	0.6	1
41	Chronic Infection Depletes Hematopoietic Stem Cells through Stress-Induced Terminal Differentiation. <i>Blood</i> , 2016, 128, 732-732.	0.6	1
42	Terminal Differentiation Is the Major Route of Hematopoietic Stem Cell Loss During Chronic Infection. <i>Open Forum Infectious Diseases</i> , 2016, 3, .	0.4	0
43	Expression of Gpnmb in NK Cell Development from Hematopoietic Stem Cells. <i>Immune Network</i> , 2008, 8, 53.	1.6	0
44	Genome Wide DNA Methylation and Transcriptome Analysis in HSC Aging. <i>Blood</i> , 2011, 118, 2367-2367.	0.6	0
45	HSC Aging Epigenome: Widespread Alterations in DNA Methylation and Transcription.. <i>Blood</i> , 2012, 120, 2329-2329.	0.6	0
46	Dnmt3b Is Dispensable for Hematopoietic Stem Cell Differentiation, but Acts Synergistically with Dnmt3a to Control the Balance Between Self-Renewal and Differentiation. <i>Blood</i> , 2012, 120, 848-848.	0.6	0
47	Histone Alterations Are Associated with Hematopoietic Stem Cell (HSC) Differentiation and Aging. <i>Blood</i> , 2012, 120, 1188-1188.	0.6	0
48	Long Non-Coding RNAs Control Hematopoietic Stem Cells (HSC) Function. <i>Blood</i> , 2013, 122, 48-48.	0.6	0
49	Large Conserved Domains Of Low DNA Methylation Maintained By 5-Hydroxymethylcytosine and Dnmt3a. <i>Blood</i> , 2013, 122, 2406-2406.	0.6	0
50	Combined Effect Of Dnmt3a Loss-Of-Function and Idh2 neomorphic mutation Promotes Hematopoietic Malignancy. <i>Blood</i> , 2013, 122, 884-884.	0.6	0
51	Dnmt3a and Tet2 interact to Repress differentiation lineage-specific transcriptional factors in Hematopoietic Stem Cells By the Regulation of Epigenome. <i>Blood</i> , 2014, 124, 242-242.	0.6	0
52	DOT1L As a Therapeutic Target for the Treatment of DNMT3A-Mutant Acute Myeloid Leukemia. <i>Blood</i> , 2014, 124, 614-614.	0.6	0
53	Chronic Infection Drives Hematopoietic Stem Cell Exhaustion through Differentiation and a Lowered Threshold for Apoptosis. <i>Blood</i> , 2015, 126, 2406-2406.	0.6	0
54	High Order Chromatin Structure Regulates Gene Expression in Hematopoietic Stem Cell Self-Renewal and Erythroid Differentiation. <i>Blood</i> , 2016, 128, 1033-1033.	0.6	0

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55	Crispr Engineering in CD34+ Progenitors Reveals Cis-Acting Regulatory Regions Mediating 3D Interactions and Stem Cell Fate Decisions. <i>Blood</i> , 2016, 128, 1466-1466.	0.6	0
56	High Prevalence of PPM1D Mutations in Therapy-Related AML/MDS Is Due to Context-Specific Clonal Hematopoiesis. <i>Blood</i> , 2018, 132, 746-746.	0.6	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. <i>Blood</i> , 2018, 132, 649-649.	0.6	0
58	Single Cell Profiling of DNMT3A-Mutant Progenitors Reveals LY86 As a Novel Pre-Leukemia Marker and Potential Therapeutic Target. <i>Blood</i> , 2019, 134, 2724-2724.	0.6	0