

Francine E Garrett-Bakelman

List of Publications by Year in descending order

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42
papers

2,947
citations

471371

17
h-index

454834

30
g-index

43
all docs

43
docs citations

43
times ranked

5613
citing authors

#	ARTICLE	IF	CITATIONS
1	The N6-methyladenosine (m6A)-forming enzyme METTL3 controls myeloid differentiation of normal hematopoietic and leukemia cells. <i>Nature Medicine</i> , 2017, 23, 1369-1376.	15.2	971
2	The NASA Twins Study: A multidimensional analysis of a year-long human spaceflight. <i>Science</i> , 2019, 364, .	6.0	576
3	Distinct evolution and dynamics of epigenetic and genetic heterogeneity in acute myeloid leukemia. <i>Nature Medicine</i> , 2016, 22, 792-799.	15.2	322
4	DNMT3A mutations promote anthracycline resistance in acute myeloid leukemia via impaired nucleosome remodeling. <i>Nature Medicine</i> , 2016, 22, 1488-1495.	15.2	195
5	Chemotherapy Induces Senescence-Like Resilient Cells Capable of Initiating AML Recurrence. <i>Cancer Discovery</i> , 2021, 11, 1542-1561.	7.7	133
6	Epigenetic Identity in AML Depends on Disruption of Nonpromoter Regulatory Elements and Is Affected by Antagonistic Effects of Mutations in Epigenetic Modifiers. <i>Cancer Discovery</i> , 2017, 7, 868-883.	7.7	101
7	Combination Targeted Therapy to Disrupt Aberrant Oncogenic Signaling and Reverse Epigenetic Dysfunction in <i>IDH2</i>- and <i>TET2</i>-Mutant Acute Myeloid Leukemia. <i>Cancer Discovery</i> , 2017, 7, 494-505.	7.7	94
8	Enhanced Reduced Representation Bisulfite Sequencing for Assessment of DNA Methylation at Base Pair Resolution. <i>Journal of Visualized Experiments</i> , 2015, , e52246.	0.2	89
9	Cooperative Epigenetic Remodeling by TET2 Loss and NRAS Mutation Drives Myeloid Transformation and MEK Inhibitor Sensitivity. <i>Cancer Cell</i> , 2018, 33, 44-59.e8.	7.7	71
10	Temporal Telomere and DNA Damage Responses in the Space Radiation Environment. <i>Cell Reports</i> , 2020, 33, 108435.	2.9	40
11	Multi-omic, Single-Cell, and Biochemical Profiles of Astronauts Guide Pharmacological Strategies for Returning to Gravity. <i>Cell Reports</i> , 2020, 33, 108429.	2.9	37
12	Rational Targeting of Cooperating Layers of the Epigenome Yields Enhanced Therapeutic Efficacy against AML. <i>Cancer Discovery</i> , 2019, 9, 872-889.	7.7	36
13	Circulating miRNA Spaceflight Signature Reveals Targets for Countermeasure Development. <i>Cell Reports</i> , 2020, 33, 108448.	2.9	35
14	Cell-free DNA (cfDNA) and Exosome Profiling from a Year-Long Human Spaceflight Reveals Circulating Biomarkers. <i>IScience</i> , 2020, 23, 101844.	1.9	31
15	Clonal Hematopoiesis Before, During, and After Human Spaceflight. <i>Cell Reports</i> , 2020, 33, 108458.	2.9	30
16	Frequent somatic <i>TET2</i> mutations in chronic NK-LGL leukemia with distinct patterns of cytopenias. <i>Blood</i> , 2021, 138, 662-673.	0.6	30
17	DNA methylation landscapes of 1538 breast cancers reveal a replication-linked clock, epigenomic instability and cis-regulation. <i>Nature Communications</i> , 2021, 12, 5406.	5.8	29
18	CD97 is a critical regulator of acute myeloid leukemia stem cell function. <i>Journal of Experimental Medicine</i> , 2019, 216, 2362-2377.	4.2	24

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19	Mutant <i>IDH1</i> : a targetable driver of leukemic phenotypes linking metabolism, epigenetics and transcriptional regulation. <i>Epigenomics</i> , 2016, 8, 945-957.	1.0	21
20	Aid is a key regulator of myeloid/erythroid differentiation and DNA methylation in hematopoietic stem/progenitor cells. <i>Blood</i> , 2017, 129, 1779-1790.	0.6	18
21	Blocking UBE2N abrogates oncogenic immune signaling in acute myeloid leukemia. <i>Science Translational Medicine</i> , 2022, 14, eabb7695.	5.8	13
22	COCOA: coordinate covariation analysis of epigenetic heterogeneity. <i>Genome Biology</i> , 2020, 21, 240.	3.8	10
23	Harnessing the power of sphingolipids: Prospects for acute myeloid leukemia. <i>Blood Reviews</i> , 2022, 55, 100950.	2.8	9
24	Differentiation therapy for IDH1/2 mutant malignancies. <i>Cell Research</i> , 2013, 23, 975-977.	5.7	8
25	An Esrrb and Nanog Cell Fate Regulatory Module Controlled by Feed Forward Loop Interactions. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 630067.	1.8	8
26	Genomic and evolutionary portraits of disease relapse in acute myeloid leukemia. <i>Leukemia</i> , 2021, 35, 2688-2692.	3.3	7
27	CD97 Is a Critical Regulator of Acute Myeloid Leukemia Stem Cell Function. <i>Blood</i> , 2016, 128, 1077-1077.	0.6	3
28	Targeted detection and quantitation of histone modifications from 1,000 cells. <i>PLoS ONE</i> , 2020, 15, e0240829.	1.1	3
29	Divergent Dynamics of Epigenetic and Genetic Heterogeneity in Relapsed Acute Myeloid Leukemia. <i>Blood</i> , 2015, 126, 306-306.	0.6	2
30	Epigenetic Deregulation In Relapsed Acute Myeloid Leukemia. <i>Blood</i> , 2013, 122, 2499-2499.	0.6	1
31	High-Resolution Genomic Methylation Analysis Using Next Generation Sequencing Identifies Loci Associated With Differential Prognosis In Mantle Cell Lymphoma Patients Treated With Bortezomib + DA-EPOCH-R. <i>Blood</i> , 2013, 122, 3760-3760.	0.6	0
32	Conditional Loss of Dnmt3a Results in Myeloproliferation and Liver-Specific Myeloid Expansion. <i>Blood</i> , 2014, 124, 364-364.	0.6	0
33	The Significance of GADD45A Promoter DNA Hypermethylation in AML: Association with IDH1/2 and TET2 Mutation. <i>Blood</i> , 2014, 124, 69-69.	0.6	0
34	Validation of CRISPR targeting for proliferation and cytarabine resistance control genes in the acute myeloid leukemia cell line MOLM-13. <i>BioTechniques</i> , 2022, , .	0.8	0
35	Targeted detection and quantitation of histone modifications from 1,000 cells. , 2020, 15, e0240829.		0
36	Targeted detection and quantitation of histone modifications from 1,000 cells. , 2020, 15, e0240829.		0

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37	Targeted detection and quantitation of histone modifications from 1,000 cells. , 2020, 15, e0240829.		0
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41	Targeted detection and quantitation of histone modifications from 1,000 cells. , 2020, 15, e0240829.		0
42	Targeted detection and quantitation of histone modifications from 1,000 cells. , 2020, 15, e0240829.		0