Francine E Garrett-Bakelman

List of Publications by Year
in descending order

42 papers	2,947 citations	471509 17 h-index	454955 30 g-index
43 all docs	43 docs citations	43 times ranked	5613 citing authors

#	Article	IF	Citations
1	Validation of CRISPR targeting for proliferation and cytarabine resistance control genes in the acute myeloid leukemia cell line MOLM-13. BioTechniques, 2022, , .	1.8	0
2	Blocking UBE2N abrogates oncogenic immune signaling in acute myeloid leukemia. Science Translational Medicine, 2022, 14, eabb7695.	12.4	13
3	Harnessing the power of sphingolipids: Prospects for acute myeloid leukemia. Blood Reviews, 2022, 55, 100950.	5.7	9
4	Genomic and evolutionary portraits of disease relapse in acute myeloid leukemia. Leukemia, 2021, 35, 2688-2692.	7.2	7
5	Frequent somatic TET2 mutations in chronic NK-LGL leukemia with distinct patterns of cytopenias. Blood, 2021, 138, 662-673.	1.4	30
6	An Esrrb and Nanog Cell Fate Regulatory Module Controlled by Feed Forward Loop Interactions. Frontiers in Cell and Developmental Biology, 2021, 9, 630067.	3.7	8
7	DNA methylation landscapes of 1538 breast cancers reveal a replication-linked clock, epigenomic instability and cis-regulation. Nature Communications, 2021, 12, 5406.	12.8	29
8	Chemotherapy Induces Senescence-Like Resilient Cells Capable of Initiating AML Recurrence. Cancer Discovery, 2021, 11, 1542-1561.	9.4	133
9	Clonal Hematopoiesis Before, During, and After Human Spaceflight. Cell Reports, 2020, 33, 108458.	6.4	30
10	Circulating miRNA Spaceflight Signature Reveals Targets for Countermeasure Development. Cell Reports, 2020, 33, 108448.	6.4	35
11	Multi-omic, Single-Cell, and Biochemical Profiles of Astronauts Guide Pharmacological Strategies for Returning to Gravity. Cell Reports, 2020, 33, 108429.	6.4	37
12	Cell-free DNA (cfDNA) and Exosome Profiling from a Year-Long Human Spaceflight Reveals Circulating Biomarkers. IScience, 2020, 23, 101844.	4.1	31
13	COCOA: coordinate covariation analysis of epigenetic heterogeneity. Genome Biology, 2020, 21, 240.	8.8	10
14	Temporal Telomere and DNA Damage Responses in the Space Radiation Environment. Cell Reports, 2020, 33, 108435.	6.4	40
15	Targeted detection and quantitation of histone modifications from 1,000 cells. PLoS ONE, 2020, 15, e0240829.	2.5	3
16	Targeted detection and quantitation of histone modifications from 1,000 cells. , 2020, 15, e0240829.		0
17	Targeted detection and quantitation of histone modifications from 1,000 cells. , 2020, 15, e0240829.		0
18	Targeted detection and quantitation of histone modifications from 1,000 cells. , 2020, 15, e0240829.		0

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19	Targeted detection and quantitation of histone modifications from 1,000 cells. , 2020, 15, e0240829.		0
20	Targeted detection and quantitation of histone modifications from 1,000 cells. , 2020, 15, e0240829.		0
21	Targeted detection and quantitation of histone modifications from 1,000 cells. , 2020, 15, e0240829.		0
22	Targeted detection and quantitation of histone modifications from 1,000 cells. , 2020, 15, e0240829.		0
23	Targeted detection and quantitation of histone modifications from 1,000 cells. , 2020, 15, e0240829.		0
24	CD97 is a critical regulator of acute myeloid leukemia stem cell function. Journal of Experimental Medicine, 2019, 216, 2362-2377.	8.5	24
25	Rational Targeting of Cooperating Layers of the Epigenome Yields Enhanced Therapeutic Efficacy against AML. Cancer Discovery, 2019, 9, 872-889.	9.4	36
26	The NASA Twins Study: A multidimensional analysis of a year-long human spaceflight. Science, 2019, 364, .	12.6	576
27	Cooperative Epigenetic Remodeling by TET2 Loss and NRAS Mutation Drives Myeloid Transformation and MEK Inhibitor Sensitivity. Cancer Cell, 2018, 33, 44-59.e8.	16.8	71
28	Aid is a key regulator of myeloid/erythroid differentiation and DNA methylation in hematopoietic stem/progenitor cells. Blood, 2017, 129, 1779-1790.	1.4	18
29	Combination Targeted Therapy to Disrupt Aberrant Oncogenic Signaling and Reverse Epigenetic Dysfunction in IDH2- and TET2-Mutant Acute Myeloid Leukemia. Cancer Discovery, 2017, 7, 494-505.	9.4	94
30	Epigenetic Identity in AML Depends on Disruption of Nonpromoter Regulatory Elements and Is Affected by Antagonistic Effects of Mutations in Epigenetic Modifiers. Cancer Discovery, 2017, 7, 868-883.	9.4	101
31	The N6-methyladenosine (m6A)-forming enzyme METTL3 controls myeloid differentiation of normal hematopoietic and leukemia cells. Nature Medicine, 2017, 23, 1369-1376.	30.7	971
32	Mutant IDH: a targetable driver of leukemic phenotypes linking metabolism, epigenetics and transcriptional regulation. Epigenomics, 2016, 8, 945-957.	2.1	21
33	DNMT3A mutations promote anthracycline resistance in acute myeloid leukemia via impaired nucleosome remodeling. Nature Medicine, 2016, 22, 1488-1495.	30.7	195
34	Distinct evolution and dynamics of epigenetic and genetic heterogeneity in acute myeloid leukemia. Nature Medicine, 2016, 22, 792-799.	30.7	322
35	CD97 Is a Critical Regulator of Acute Myeloid Leukemia Stem Cell Function. Blood, 2016, 128, 1077-1077.	1.4	3
36	Enhanced Reduced Representation Bisulfite Sequencing for Assessment of DNA Methylation at Base Pair Resolution. Journal of Visualized Experiments, 2015, , e52246.	0.3	89

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37	Divergent Dynamics of Epigenetic and Genetic Heterogeneity in Relapsed Acute Myeloid Leukemia. Blood, 2015, 126, 306-306.	1.4	2
38	Conditional Loss of Dnmt3a Results in Myeloproliferation and Liver-Specific Myeloid Expansion. Blood, 2014, 124, 364-364.	1.4	0
39	The Significance of GADD45A Promoter DNA Hypermethylation in AML: Association with IDH1/2 and TET2 Mutation. Blood, 2014, 124, 69-69.	1.4	0
40	Differentiation therapy for IDH1/2 mutant malignancies. Cell Research, 2013, 23, 975-977.	12.0	8
41	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. Blood, 2013, 122, 3760-3760.	1.4	0
42	Epigenetic Deregulation In Relapsed Acute Myeloid Leukemia. Blood, 2013, 122, 2499-2499.	1.4	1