

# Kathleen H Burns

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

4,769  
citations

236925

25  
h-index

168389

53  
g-index

63  
all docs

63  
docs citations

63  
times ranked

5535  
citing authors

#	ARTICLE	IF	CITATIONS
1	LINE-1 expression in cancer correlates with p53 mutation, copy number alteration, and S phase checkpoint. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	36
2	Repetitive DNA in disease. <i>Science</i> , 2022, 376, 353-354.	12.6	19
3	Frequency and mechanisms of LINE-1 retrotransposon insertions at CRISPR/Cas9 sites. <i>Nature Communications</i> , 2022, 13, .	12.8	30
4	Detection of Alu Exonization Events in Human Frontal Cortex From RNA-Seq Data. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 727537.	3.5	7
5	Pathology Residency Program Special Expertise Tracks Meet the Needs of an Evolving Field. <i>Academic Pathology</i> , 2021, 8, 23742895211037034.	1.1	4
6	<i>Alu</i> insertion variants alter gene transcript levels. <i>Genome Research</i> , 2021, 31, 2236-2248.	5.5	25
7	Autoantibodies targeting LINE-1-encoded ORF1p are associated with systemic lupus erythematosus diagnosis but not disease activity. <i>Clinical and Experimental Rheumatology</i> , 2021, , .	0.8	0
8	LINE-1 ORF2p expression is nearly imperceptible in human cancers. <i>Mobile DNA</i> , 2020, 11, 1.	3.6	51
9	Polymorphic mobile element insertions contribute to gene expression and alternative splicing in human tissues. <i>Genome Biology</i> , 2020, 21, 185.	8.8	20
10	The HUSH complex is a gatekeeper of type I interferon through epigenetic regulation of LINE-1s. <i>Nature Communications</i> , 2020, 11, 5387.	12.8	79
11	Human transposon insertion profiling by sequencing (TIPseq) to map LINE-1 insertions in single cells. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190335.	4.0	6
12	Integrated Mobile Element Scanning (ME-Scan) method for identifying multiple types of polymorphic mobile element insertions. <i>Mobile DNA</i> , 2020, 11, 12.	3.6	5
13	TypeTE: a tool to genotype mobile element insertions from whole genome resequencing data. <i>Nucleic Acids Research</i> , 2020, 48, e36-e36.	14.5	11
14	Cell fitness screens reveal a conflict between LINE-1 retrotransposition and DNA replication. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 168-178.	8.2	74
15	Our Conflict with Transposable Elements and Its Implications for Human Disease. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2020, 15, 51-70.	22.4	81
16	Pan-cancer analysis of whole genomes identifies driver rearrangements promoted by LINE-1 retrotransposition. <i>Nature Genetics</i> , 2020, 52, 306-319.	21.4	275
17	Bone Marrow Findings in Patients With Acute Promyelocytic Leukemia Treated With Arsenic Trioxide. <i>American Journal of Clinical Pathology</i> , 2019, 152, 675-685.	0.7	2
18	Transposable elements in human genetic disease. <i>Nature Reviews Genetics</i> , 2019, 20, 760-772.	16.3	214

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19	Integrated Transcriptomic and Proteomic Analysis of Primary Human Umbilical Vein Endothelial Cells. <i>Proteomics</i> , 2019, 19, e1800315.	2.2	16
20	Transposon insertion profiling by sequencing (TIPseq) for mapping LINE-1 insertions in the human genome. <i>Mobile DNA</i> , 2019, 10, 8.	3.6	22
21	Long Interspersed Nuclear Element 1 Retrotransposons Become Deregulated during the Development of Ovarian Cancer Precursor Lesions. <i>American Journal of Pathology</i> , 2019, 189, 513-520.	3.8	35
22	<i>Alu</i> insertion variants alter mRNA splicing. <i>Nucleic Acids Research</i> , 2019, 47, 421-431.	14.5	58
23	SQulRE reveals locus-specific regulation of interspersed repeat expression. <i>Nucleic Acids Research</i> , 2019, 47, e27-e27.	14.5	115
24	Familial monophasic acute transverse myelitis due to the pathogenic variant in <i>VPS37A</i>. <i>Neurology: Genetics</i> , 2018, 4, e213.	1.9	4
25	Systemic depletion of lymphocytes following focal radiation to the brain in a murine model. <i>Oncolmmunology</i> , 2018, 7, e1445951.	4.6	15
26	Genomic characterization of chromosome translocations in patients with T/myeloid mixed-phenotype acute leukemia. <i>Leukemia and Lymphoma</i> , 2018, 59, 1231-1238.	1.3	8
27	Ten things you should know about transposable elements. <i>Genome Biology</i> , 2018, 19, 199.	8.8	817
28	Editorial overview: Genome architecture and expression: Mobile elements at work. <i>Current Opinion in Genetics and Development</i> , 2018, 49, iv-v.	3.3	3
29	Dissection of affinity captured LINE-1 macromolecular complexes. <i>ELife</i> , 2018, 7, .	6.0	63
30	The Evolution of Earned, Transparent, and Quantifiable Faculty Salary Compensation. <i>Academic Pathology</i> , 2018, 5, 2374289518777463.	1.1	11
31	The Johns Hopkins Department of Pathology Novel Organizational Model: A 25-Year-Old Ongoing Experiment. <i>Academic Pathology</i> , 2018, 5, 2374289518811145.	1.1	7
32	Human transposon insertion profiling: Analysis, visualization and identification of somatic LINE-1 insertions in ovarian cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E733-E740.	7.1	86
33	The Human Long Interspersed Element-1 Retrotransposon: An Emerging Biomarker of Neoplasia. <i>Clinical Chemistry</i> , 2017, 63, 816-822.	3.2	113
34	Structural variants caused by <i>Alu</i> insertions are associated with risks for many human diseases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3984-E3992.	7.1	113
35	Transposable elements in cancer. <i>Nature Reviews Cancer</i> , 2017, 17, 415-424.	28.4	415
36	Toward the human cellular microRNAome. <i>Genome Research</i> , 2017, 27, 1769-1781.	5.5	142

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37	Insertion and deletion polymorphisms of the ancient AluS family in the human genome. <i>Mobile DNA</i> , 2017, 8, 6.	3.6	10
38	Somatically Acquired LINE-1 Insertions in Normal Esophagus Undergo Clonal Expansion in Esophageal Squamous Cell Carcinoma. <i>Human Mutation</i> , 2016, 37, 942-954.	2.5	43
39	A map of mobile DNA insertions in the NCI-60 human cancer cell panel. <i>Mobile DNA</i> , 2016, 7, 20.	3.6	4
40	Somatic retrotransposition is infrequent in glioblastomas. <i>Mobile DNA</i> , 2016, 7, 22.	3.6	17
41	Genome-wide characterization of human L1 antisense promoter-driven transcripts. <i>BMC Genomics</i> , 2016, 17, 463.	2.8	58
42	Meeting Report: The Role of the Mobilome in Cancer. <i>Cancer Research</i> , 2016, 76, 4316-4319.	0.9	3
43	A robust nonlinear tissue-component discrimination method for computational pathology. <i>Laboratory Investigation</i> , 2016, 96, 450-458.	3.7	9
44	Characterization of L1-Ribonucleoprotein Particles. <i>Methods in Molecular Biology</i> , 2016, 1400, 311-338.	0.9	19
45	Immunodetection of Human LINE-1 Expression in Cultured Cells and Human Tissues. <i>Methods in Molecular Biology</i> , 2016, 1400, 261-280.	0.9	17
46	Retrotransposon insertions in the clonal evolution of pancreatic ductal adenocarcinoma. <i>Nature Medicine</i> , 2015, 21, 1060-1064.	30.7	127
47	LINE-1 expression and retrotransposition in Barrett's esophagus and esophageal carcinoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4894-900.	7.1	127
48	Visualization and probability-based scoring of structural variants within repetitive sequences. <i>Bioinformatics</i> , 2014, 30, 1514-1521.	4.1	5
49	Long Interspersed Element-1 Protein Expression Is a Hallmark of Many Human Cancers. <i>American Journal of Pathology</i> , 2014, 184, 1280-1286.	3.8	250
50	Affinity Proteomics Reveals Human Host Factors Implicated in Discrete Stages of LINE-1 Retrotransposition. <i>Cell</i> , 2013, 155, 1034-1048.	28.9	190
51	Active Transposition in Genomes. <i>Annual Review of Genetics</i> , 2012, 46, 651-675.	7.6	347
52	Human Transposon Tectonics. <i>Cell</i> , 2012, 149, 740-752.	28.9	258
53	Massively parallel rare disease genetics. <i>Genome Medicine</i> , 2011, 3, 29.	8.2	3
54	Mobile Interspersed Repeats Are Major Structural Variants in the Human Genome. <i>Cell</i> , 2010, 141, 1171-1182.	28.9	242

#	ARTICLE	IF	CITATIONS
55	Comprehensive Mapping of Transposon Insertions in Human Hematopoietic Neoplasias.. Blood, 2009, 114, 1103-1103.	1.4	0
56	Transposable elements in cancer. , 0, .		38
57	Autoantibodies targeting LINE-1-encoded ORF1p are associated with systemic lupus erythematosus diagnosis but not disease activity. Clinical and Experimental Rheumatology, 0, , .	0.8	2