

Hilda A Pickett

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

6,102
citations

126907

33
h-index

128289

60
g-index

62
all docs

62
docs citations

62
times ranked

10758
citing authors

#	ARTICLE	IF	CITATIONS
1	Whole-genome landscapes of major melanoma subtypes. <i>Nature</i> , 2017, 545, 175-180.	27.8	1,068
2	Whole-genome landscape of pancreatic neuroendocrine tumours. <i>Nature</i> , 2017, 543, 65-71.	27.8	716
3	Multiple independent variants at the TERT locus are associated with telomere length and risks of breast and ovarian cancer. <i>Nature Genetics</i> , 2013, 45, 371-384.	21.4	493
4	DNA C-circles are specific and quantifiable markers of alternative-lengthening-of-telomeres activity. <i>Nature Biotechnology</i> , 2009, 27, 1181-1185.	17.5	406
5	The Transcriptional and Functional Properties of Mouse Epiblast Stem Cells Resemble the Anterior Primitive Streak. <i>Cell Stem Cell</i> , 2014, 14, 107-120.	11.1	255
6	Spontaneous occurrence of telomeric DNA damage response in the absence of chromosome fusions. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 1244-1251.	8.2	220
7	Control of telomere length by a trimming mechanism that involves generation of t-circles. <i>EMBO Journal</i> , 2009, 28, 799-809.	7.8	178
8	Molecular mechanisms of activity and derepression of alternative lengthening of telomeres. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 875-880.	8.2	174
9	Telomerase activity is associated with an increase in DNA methylation at the proximal subtelomere and a reduction in telomeric transcription. <i>Nucleic Acids Research</i> , 2009, 37, 1152-1159.	14.5	137
10	Alternative Lengthening of Telomeres: DNA Repair Pathways Converge. <i>Trends in Genetics</i> , 2017, 33, 921-932.	6.7	132
11	Variant repeats are interspersed throughout the telomeres and recruit nuclear receptors in ALT cells. <i>Journal of Cell Biology</i> , 2012, 199, 893-906.	5.2	129
12	BLM and SLX4 play opposing roles in recombination-independent replication at human telomeres. <i>EMBO Journal</i> , 2017, 36, 2907-2919.	7.8	127
13	The FANCM-BLM-TOP3A-RMI complex suppresses alternative lengthening of telomeres (ALT). <i>Nature Communications</i> , 2019, 10, 2252.	12.8	125
14	Molecular characterization of inter-telomere and intra-telomere mutations in human ALT cells. <i>Nature Genetics</i> , 2002, 30, 301-305.	21.4	117
15	Alternative lengthening of telomeres in normal mammalian somatic cells. <i>Genes and Development</i> , 2013, 27, 18-23.	5.9	111
16	Telomere Loop Dynamics in Chromosome End Protection. <i>Molecular Cell</i> , 2018, 71, 510-525.e6.	9.7	102
17	Telomerase Recruitment Requires both TCAB1 and Cajal Bodies Independently. <i>Molecular and Cellular Biology</i> , 2012, 32, 2384-2395.	2.3	101
18	NuRD-dependent ZNF827 recruitment to telomeres creates a molecular scaffold for homologous recombination. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 760-770.	8.2	101

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19	Inherited bone marrow failure associated with germline mutation of ACD, the gene encoding telomere protein TPP1. <i>Blood</i> , 2014, 124, 2767-2774.	1.4	97
20	Telomere extension by telomerase and ALT generates variant repeats by mechanistically distinct processes. <i>Nucleic Acids Research</i> , 2014, 42, 1733-1746.	14.5	92
21	Normal mammalian cells negatively regulate telomere length by telomere trimming. <i>Human Molecular Genetics</i> , 2011, 20, 4684-4692.	2.9	87
22	Histone variant H3.3 provides the heterochromatic H3 lysine 9 tri-methylation mark at telomeres. <i>Nucleic Acids Research</i> , 2015, 43, gkv847.	14.5	79
23	Alternative lengthening of telomeres: remodeling the telomere architecture. <i>Frontiers in Oncology</i> , 2013, 3, 27.	2.8	78
24	Extensive Proliferation of Human Cancer Cells with Ever-Shorter Telomeres. <i>Cell Reports</i> , 2017, 19, 2544-2556.	6.4	75
25	FANCM suppresses DNA replication stress at ALT telomeres by disrupting TERRA R-loops. <i>Scientific Reports</i> , 2019, 9, 19110.	3.3	73
26	Targeting telomeres: advances in telomere maintenance mechanism-specific cancer therapies. <i>Nature Reviews Cancer</i> , 2022, 22, 515-532.	28.4	68
27	Folate Deficiency Induces Dysfunctional Long and Short Telomeres; Both States Are Associated with Hypomethylation and DNA Damage in Human WIL2-NS Cells. <i>Cancer Prevention Research</i> , 2014, 7, 128-138.	1.5	59
28	The role of telomere trimming in normal telomere length dynamics. <i>Cell Cycle</i> , 2012, 11, 1309-1315.	2.6	53
29	Functional Polymorphisms in the TERT Promoter Are Associated with Risk of Serous Epithelial Ovarian and Breast Cancers. <i>PLoS ONE</i> , 2011, 6, e24987.	2.5	48
30	The Medical Genome Reference Bank contains whole genome and phenotype data of 2570 healthy elderly. <i>Nature Communications</i> , 2020, 11, 435.	12.8	47
31	Mechanisms that drive telomere maintenance and recombination in human cancers. <i>Current Opinion in Genetics and Development</i> , 2020, 60, 25-30.	3.3	45
32	Comparative analysis of whole genome sequencing-based telomere length measurement techniques. <i>Methods</i> , 2017, 114, 4-15.	3.8	43
33	Telomere Length Measurement by Molecular Combing. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 493.	3.7	41
34	Telomere sequence content can be used to determine ALT activity in tumours. <i>Nucleic Acids Research</i> , 2018, 46, 4903-4918.	14.5	40
35	<i>MYC</i> -Driven Neuroblastomas Are Addicted to a Telomerase-Independent Function of Dyskerin. <i>Cancer Research</i> , 2016, 76, 3604-3617.	0.9	38
36	Human telomeres that contain (CTAGGG) _n repeats show replication dependent instability in somatic cells and the male germline. <i>Nucleic Acids Research</i> , 2009, 37, 6225-6238.	14.5	37

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37	A Common Cancer Risk-Associated Allele in the hTERT Locus Encodes a Dominant Negative Inhibitor of Telomerase. <i>PLoS Genetics</i> , 2015, 11, e1005286.	3.5	35
38	Telomerase promotes formation of a telomere protective complex in cancer cells. <i>Science Advances</i> , 2019, 5, eaav4409.	10.3	27
39	Functional dissection of breast cancer risk-associated <i>TERT</i> promoter variants. <i>Oncotarget</i> , 2017, 8, 67203-67217.	1.8	21
40	Enhanced cardiac repair by telomerase reverse transcriptase over-expression in human cardiac mesenchymal stromal cells. <i>Scientific Reports</i> , 2019, 9, 10579.	3.3	21
41	Targeted Therapy of <i>TERT</i> -Rearranged Neuroblastoma with BET Bromodomain Inhibitor and Proteasome Inhibitor Combination Therapy. <i>Clinical Cancer Research</i> , 2021, 27, 1438-1451.	7.0	20
42	Telomeric replication stress: the beginning and the end for alternative lengthening of telomeres cancers. <i>Open Biology</i> , 2022, 12, 220011.	3.6	20
43	Amplification of Telomerase Reverse Transcriptase Gene in Human Mammary Epithelial Cells with Limiting Telomerase RNA Expression Levels. <i>Cancer Research</i> , 2008, 68, 3115-3123.	0.9	18
44	Aurora Kinase B, a novel regulator of TERF1 binding and telomeric integrity. <i>Nucleic Acids Research</i> , 2017, 45, 12340-12353.	14.5	18
45	Progerin impairs 3D genome organization and induces fragile telomeres by limiting the dNTP pools. <i>Scientific Reports</i> , 2021, 11, 13195.	3.3	18
46	Efficient <i>in vivo</i> editing of OTC-deficient patient-derived primary human hepatocytes. <i>JHEP Reports</i> , 2020, 2, 100065.	4.9	18
47	<i>DKC1</i> is a transcriptional target of GATA1 and drives upregulation of telomerase activity in normal human erythroblasts. <i>Haematologica</i> , 2020, 105, 1517-1526.	3.5	15
48	Anti-recombination function of MutS \pm restricts telomere extension by ALT-associated homology-directed repair. <i>Cell Reports</i> , 2021, 37, 110088.	6.4	15
49	Structural and functional characterization of the RBBP4-ZNF827 interaction and its role in NuRD recruitment to telomeres. <i>Biochemical Journal</i> , 2018, 475, 2667-2679.	3.7	13
50	TELO-SCOPE study: a randomised, double-blind, placebo-controlled, phase 2 trial of danazol for short telomere related pulmonary fibrosis. <i>BMJ Open Respiratory Research</i> , 2021, 8, e001127.	3.0	13
51	Platelet-Derived Growth Factor Receptor-Alpha Expressing Cardiac Progenitor Cells Can Be Derived from Previously Cryopreserved Human Heart Samples. <i>Stem Cells and Development</i> , 2018, 27, 184-198.	2.1	12
52	Telomeres and stress: Promising avenues for research in psycho-oncology. <i>Asia-Pacific Journal of Oncology Nursing</i> , 2016, 3, 137-147.	1.6	10
53	qmotif: determination of telomere content from whole-genome sequence data. <i>Bioinformatics Advances</i> , 2022, 2, .	2.4	5
54	Loss-of-function variants in <i>POT1</i> predispose to uveal melanoma. <i>Journal of Medical Genetics</i> , 2021, 58, 234-236.	3.2	3

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55	Functional interaction between compound heterozygous <i>TERT</i> mutations causes severe telomere biology disorder. <i>Blood Advances</i> , 2022, 6, 3779-3791.	5.2	2
56	A novel cause of DKC1 related bone marrow failure: Partial deletion of the 3' untranslated region. <i>EJHaem</i> , 2021, 2, 157-166.	1.0	1
57	Age Adjusted Telomere Length Decreases Following Treatment for Pediatric Acute Lymphoblastic Leukemia, but Does Not Predict Toxicity. <i>Blood</i> , 2015, 126, 4984-4984.	1.4	1
58	Age-Adjusted Telomere Length May Predict Treatment-Related Mortality in Children Undergoing Hematopoietic Stem Cell Transplantation. <i>Blood</i> , 2015, 126, 5445-5445.	1.4	1
59	A DNA-fiber protocol for single molecule analysis of telomere (SMAT) length and extension events in cancer cells. <i>STAR Protocols</i> , 2022, 3, 101212.	1.2	1
60	Dyskerin Is Upregulated During Erythroid Differentiation of Human Hematopoietic Progenitor Cells and Hyperactivates Telomerase in Erythroid Precursor Cells. <i>Blood</i> , 2012, 120, 980-980.	1.4	0