Duncan M Baird

List of Publications by Year
in descending order

106 papers	5,263 citations	76196 40 h-index	91712 69 g-index
111 all docs	111 docs citations	111 times ranked	7899 citing authors

#	Article	IF	Citations
1	Extensive allelic variation and ultrashort telomeres in senescent human cells. Nature Genetics, 2003, 33, 203-207.	9.4	469
2	Identification and Clonal Characterisation of a Progenitor Cell Sub-Population in Normal Human Articular Cartilage. PLoS ONE, 2010, 5, e13246.	1.1	338
3	The nature of telomere fusion and a definition of the critical telomere length in human cells. Genes and Development, 2007, 21, 2495-2508.	2.7	237
4	Two subsets of stem-like CD8+ memory T cell progenitors with distinct fate commitments in humans. Nature Immunology, 2020, 21, 1552-1562.	7.0	167
5	Fibroblast Dysfunction Is a Key Factor in the Non-Healing of Chronic Venous Leg Ulcers. Journal of Investigative Dermatology, 2008, 128, 2526-2540.	0.3	166
6	Measuring telomere length and telomere dynamics in evolutionary biology and ecology. Methods in Ecology and Evolution, 2014, 5, 299-310.	2.2	158
7	Telomere dysfunction and fusion during the progression of chronic lymphocytic leukemia: evidence for a telomere crisis. Blood, 2010, 116, 1899-1907.	0.6	148
8	Telomere instability in the male germline. Human Molecular Genetics, 2006, 15, 45-51.	1.4	141
9	Reproducibility of telomere length assessment: an international collaborative study. International Journal of Epidemiology, 2015, 44, 1673-1683.	0.9	133
10	Telomerase Reverse Transcriptase Locus Polymorphisms and Cancer Risk: A Field Synopsis and Meta-Analysis. Journal of the National Cancer Institute, 2012, 104, 840-854.	3.0	119
11	Signalling of DNA damage and cytokines across cell barriers exposed to nanoparticles depends on barrier thickness. Nature Nanotechnology, 2011, 6, 824-833.	15.6	114
12	Blood Cell Telomere Length Is a Dynamic Feature. PLoS ONE, 2011, 6, e21485.	1.1	111
13	Structural stability and chromosome-specific telomere length is governed by cis-acting determinants in humans. Human Molecular Genetics, 2006, 15, 725-733.	1.4	110
14	Variation at theTERTlocus and predisposition for cancer. Expert Reviews in Molecular Medicine, 2010, 12, e16.	1.6	101
15	Mechanisms underlying telomere repeat turnover, revealed by hypervariable variant repeat distribution patterns in the human Xp/Yp telomere.. EMBO Journal, 1995, 14, 5433-5443.	3.5	92
16	New developments in telomere length analysis. Experimental Gerontology, 2005, 40, 363-368.	1.2	85
17	Prevention of Accelerated Cell Aging in Werner Syndrome Using a p38 Mitogen-Activated Protein Kinase Inhibitor. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2005, 60, 1386-1393.	1.7	84
18	Structural and functional analysis of the human POT1-TPP1 telomeric complex. Nature Communications, 2017, 8, 14928.	5.8	84

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19	Extensive Telomere Erosion in the Initiation of Colorectal Adenomas and Its Association With Chromosomal Instability. Journal of the National Cancer Institute, 2013, 105, 1202-1211.	3.0	81
20	Fusion of short telomeres in human cells is characterized by extensive deletion and microhomology, and can result in complex rearrangements. Nucleic Acids Research, 2010, 38, 1841-1852.	6.5	78
21	Characterisation of a divergent progenitor cell sub-populations in human osteoarthritic cartilage: the role of telomere erosion and replicative senescence. Scientific Reports, 2017, 7, 41421.	1.6	78
22	High Levels of Sequence Polymorphism and Linkage Disequilibrium at the Telomere of 12q: Implications for Telomere Biology and Human Evolution. American Journal of Human Genetics, 2000, 66, 235-250.	2.6	77
23	Telomere dysfunction accurately predicts clinical outcome in chronic lymphocytic leukaemia, even in patients with early stage disease. British Journal of Haematology, 2014, 167, 214-223.	1.2	73
24	CCR8 Expression Defines Tissue-Resident Memory T Cells in Human Skin. Journal of Immunology, 2018, 200, 1639-1650.	0.4	71
25	A subterminal satellite located adjacent to telomeres in chimpanzees is absent from the human genome. Nature Genetics, 1994, 6, 52-56.	9.4	69
26	Genotoxic effects of particles of surgical cobalt chrome alloy on human cells of different age in vitro. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2007, 619, 45-58.	0.4	69
27	Human Stem Cell-like Memory T Cells Are Maintained in a State of Dynamic Flux. Cell Reports, 2016, 17, 2811-2818.	2.9	67
28	Escape from Telomere-Driven Crisis Is DNA Ligase III Dependent. Cell Reports, 2014, 8, 1063-1076.	2.9	65
29	Mapping H4K20me3 onto the chromatin landscape of senescent cells indicates a function in control of cell senescence and tumor suppression through preservation of genetic and epigenetic stability. Genome Biology, 2016, 17, 158.	3.8	65
30	Telomere dynamics in human cells. Biochimie, 2008, 90, 116-121.	1.3	54
31	The Plasticity of Human Telomeres Demonstrated by a Hypervariable Telomere Repeat Array That Is Located on Some Copies of 16p and 16q. Human Molecular Genetics, 1999, 8, 1637-1646.	1.4	52
32	Telomere dysfunction and its role in haematological cancer. British Journal of Haematology, 2012, 156, 573-587.	1.2	51
33	Short telomeres are preferentially elongated by telomerase in human cells. FEBS Letters, 2009, 583, 3076-3080.	1.3	49
34	TERT promoter mutation in adult granulosa cell tumor of the ovary. Modern Pathology, 2018, 31, 1107-1115.	2.9	49
35	Telomere Length Dynamics and the Evolution of Cancer Genome Architecture. International Journal of Molecular Sciences, 2018, 19, 482.	1.8	48
36	Normal telomere erosion rates at the single cell level in Werner syndrome fibroblast cells. Human Molecular Genetics, 2004, 13, 1515-1524.	1.4	47

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37	Chromothripsis during telomere crisis is independent of NHEJ, and consistent with a replicative origin. Genome Research, 2019, 29, 737-749.	2.4	47
38	Human TSCM cell dynamics in vivo are compatible with long-lived immunological memory and stemness. PLoS Biology, 2018, 16, e2005523.	2.6	46
39	The Extent and Significance of Telomere Loss with Age. Annals of the New York Academy of Sciences, 2004, 1019, 265-268.	1.8	44
40	Telomere length predicts progression and overall survival in chronic lymphocytic leukemia: data from the UK LRF CLL4 trial. Leukemia, 2015, 29, 2411-2414.	3.3	42
41	Mechanisms of telomeric instability. Cytogenetic and Genome Research, 2008, 122, 308-314.	0.6	41
42	Extreme telomere erosion in ATM-mutated and 11q-deleted CLL patients is independent of disease stage. Leukemia, 2012, 26, 826-830.	3.3	39
43	Salivary Gland Stem Cells Age Prematurely in Primary SjÃ¶gren's Syndrome. Arthritis and Rheumatology, 2019, 71, 133-142.	2.9	39
44	Sister chromatid telomere fusions, but not NHEJ-mediated inter-chromosomal telomere fusions, occur independently of DNA ligases 3 and 4. Genome Research, 2016, 26, 588-600.	2.4	38
45	Telomeres and genomic evolution. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20160437.	1.8	35
46	Telomere fusion threshold identifies a poor prognostic subset of breast cancer patients. Molecular Oncology, 2015, 9, 1186-1193.	2.1	34
47	Catastrophic Endgames: Emerging Mechanisms of Telomere-Driven Genomic Instability. Trends in Genetics, 2020, 36, 347-359.	2.9	34
48	Effects of hTERT on metal ion-induced genomic instability. Oncogene, 2006, 25, 3424-3435.	2.6	32
49	UPF1 promotes the formation of R loops to stimulate DNA double-strand break repair. Nature Communications, 2021, 12, 3849.	5.8	32
50	Telomeres. Experimental Gerontology, 2006, 41, 1223-1227.	1.2	31
51	Telomere length maintenance in stem cell populations. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2009, 1792, 324-328.	1.8	31
52	Functional Effector Memory T Cells Enrich the Peritoneal Cavity of Patients Treated with Peritoneal Dialysis. Journal of the American Society of Nephrology: JASN, 2009, 20, 1895-1900.	3.0	29
53	Strain-specific telomere length revealed by single telomere length analysis in Caenorhabditis elegans. Nucleic Acids Research, 2004, 32, 3383-3391.	6.5	27
54	DNA damaging bystander signalling from stem cells, cancer cells and fibroblasts after Cr(VI) exposure and its dependence on telomerase. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2010, 683, 1-8.	0.4	26

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55	Differential TERT promoter methylation and response to 5â€²azaâ€²2â€²deoxycytidine in acute myeloid leukemia cell lines: TERT expression, telomerase activity, telomere length, and cell death. Genes Chromosomes and Cancer, 2012, 51, 768-780.	1.5	26
56	Telomere length is a critical determinant for survival in multiple myeloma. British Journal of Haematology, 2017, 178, 94-98.	1.2	26
57	Increased Oral Fibroblast Lifespan Is Telomerase-independent. Journal of Dental Research, 2009, 88, 916-921.	2.5	25
58	Chromosomal instability and telomere lengths of each chromosomal arm measured by Q-FISH in human fibroblast strains prior to replicative senescence. Mechanisms of Ageing and Development, 2010, 131, 614-624.	2.2	25
59	The C-Terminal Extension Unique to the Long Isoform of the Shelterin Component TIN2 Enhances Its Interaction with TRF2 in a Phosphorylation- and Dyskeratosis Congenita Cluster-Dependent Fashion. Molecular and Cellular Biology, 2018, 38, .	1.1	25
60	Sequences from higher primates orthologous to the human Xp/Yp telomere junction region reveal gross rearrangements and high levels of divergence. Human Molecular Genetics, 1997, 6, 2291-2299.	1.4	22
61	Telomere dynamics during replicative senescence are not directly modulated by conditions of oxidative stress in IMR90 fibroblast cells. Biogerontology, 2009, 10, 683-693.	2.0	22
62	Telomere length is an independent prognostic marker in <scp>MDS</scp> but not in de novo <scp>AML</scp>. British Journal of Haematology, 2017, 178, 240-249.	1.2	21
63	Telomere instability detected in sporadic colon cancers, some showing mutations in a mismatch repair gene. Oncogene, 2004, 23, 3434-3443.	2.6	20
64	Telomere length heterogeneity in placenta revealed with high-resolution telomere length analysis. Placenta, 2017, 59, 61-68.	0.7	20
65	Mre11 modulates the fidelity of fusion between short telomeres in human cells. Nucleic Acids Research, 2012, 40, 2518-2526.	6.5	19
66	DNA Ligase 1 is an essential mediator of sister chromatid telomere fusions in G2 cell cycle phase. Nucleic Acids Research, 2019, 47, 2402-2424.	6.5	19
67	CD57+ Memory T Cells Proliferate InÂVivo. Cell Reports, 2020, 33, 108501.	2.9	18
68	Integrative analysis of spontaneous CLL regression highlights genetic and microenvironmental interdependency in CLL. Blood, 2020, 135, 411-428.	0.6	17
69	Highly purified CD38⁺ subâ€populations show no evidence of preferential clonal evolution despite having increased proliferative activity when compared with CD38^{â^’} subâ€populations derived from the same chronic lymphocytic leukaemia patient. British Journal of Haematology, 2008, 142, 595-605.	1.2	15
70	Metformin and insulin treatment prevent placental telomere attrition in boys exposed to maternal diabetes. PLoS ONE, 2018, 13, e0208533.	1.1	15
71	PARP1 is required for preserving telomeric integrity but is dispensable for A-NHEJ. Oncotarget, 2018, 9, 34821-34837.	0.8	14
72	CGGBP1 phosphorylation constitutes a telomere-protection signal. Cell Cycle, 2014, 13, 96-105.	1.3	13

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73	Dysgu: efficient structural variant calling using short or long reads. Nucleic Acids Research, 2022, 50, e53-e53.	6.5	13
74	Telomere length predicts for outcome to FCR chemotherapy in CLL. Leukemia, 2019, 33, 1953-1963.	3.3	12
75	High-throughput STELA provides a rapid test for the diagnosis of telomere biology disorders. Human Genetics, 2021, 140, 945-955.	1.8	12
76	Telomeres II. Experimental Gerontology, 2007, 43, 15-9.	1.2	10
77	Human Endometrial Carcinogenesis Is Associated with Significant Reduction in Long Non-Coding RNA, TERRA. International Journal of Molecular Sciences, 2020, 21, 8686.	1.8	10
78	Telomere fusions associate with coding sequence and copy number alterations in CLL. Leukemia, 2019, 33, 2093-2097.	3.3	9
79	DNA damage signalling from the placenta to foetal blood as a potential mechanism for childhood leukaemia initiation. Scientific Reports, 2019, 9, 4370.	1.6	9
80	Reproducibility of telomere length assessment: Authorsâ€™ Response to Damjan Krstajic and Ljubomir Buturovic. International Journal of Epidemiology, 2015, 44, 1739-1741.	0.9	8
81	Is Southern blotting necessary to measure telomere length reproducibly? Authorsâ€™ Response to: Commentary: The reliability of telomere length measurements. International Journal of Epidemiology, 2015, 44, 1686-1687.	0.9	8
82	Telomere erosion in NF1 tumorigenesis. Oncotarget, 2017, 8, 40132-40139.	0.8	8
83	Intra-allelic mutation at human telomeres. Biochemical Society Transactions, 2006, 34, 581-582.	1.6	7
84	Telomere length profiles in primary human peritoneal mesothelial cells are consistent with senescence. Mechanisms of Ageing and Development, 2017, 164, 37-40.	2.2	7
85	Extensive telomere erosion is consistent with localised clonal expansions in Barrettâ€™s metaplasia. PLoS ONE, 2017, 12, e0174833.	1.1	6
86	Shortened telomeres: a driving force behind leukemia?. Future Oncology, 2010, 6, 1681-1686.	1.1	5
87	Telomeres and Chromosomal Translocations. Advances in Experimental Medicine and Biology, 2018, 1044, 89-112.	0.8	5
88	Tracking telomere fusions through crisis reveals conflict between DNA transcription and the DNA damage response. NAR Cancer, 2021, 3, zcaa044.	1.6	5
89	Symptoms of Prenatal Depression Associated with Shorter Telomeres in Female Placenta. International Journal of Molecular Sciences, 2021, 22, 7458.	1.8	5
90	Telomere analysis to predict chronic lymphocytic leukemia outcome: a STELA test to change clinical practice?. Expert Review of Hematology, 2014, 7, 701-703.	1.0	4

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91	Combined analysis of IGHV mutations, telomere length and CD49d identifies long-term progression-free survivors in TP53 wild-type CLL treated with FCR-based therapies. Leukemia, 2022, 36, 271-274.	3.3	4
92	PARP inhibition prevents escape from a telomere-driven crisis and inhibits cell immortalisation. Oncotarget, 2018, 9, 37549-37563.	0.8	4
93	BCL-3 loss sensitises colorectal cancer cells to DNA damage by targeting homologous recombination. DNA Repair, 2022, 115, 103331.	1.3	3
94	POLQ suppresses genome instability and alterations inÂDNA repeat tract lengths. NAR Cancer, 2022, 4, .	1.6	3
95	Alternative end joining, clonal evolution, and escape from a telomere-driven crisis. Molecular and Cellular Oncology, 2015, 2, e975623.	0.3	2
96	In Vitro Co-Culture of CLL-B Cells Reveals Long-Term Survival, Proliferation, and Maintenance of Telomere Length. Blood, 2016, 128, 350-350.	0.6	1
97	Everything your supervisor should have told you but you were too afraid to ask!. Trends in Biotechnology, 1999, 17, 174.	4.9	0
98	Translating cancer genetics into mechanism-based drug discovery. Toxicology, 2006, 226, 15-16.	2.0	0
99	4.24 Telomere Dysfunction is the Critical Determinant of Clinical Outcome in CLL. Clinical Lymphoma, Myeloma and Leukemia, 2011, 11, S234-S235.	0.2	0
100	CBMT-21. TERT PROMOTER-MUTANT GLIOBLASTOMAS EXHIBIT DEPENDENCY ON TELOMERASE. Neuro-Oncology, 2019, 21, vi37-vi37.	0.6	0
101	Editorial overview: The instability of the cancer genome: it starts at the end. Current Opinion in Genetics and Development, 2020, 60, iii-vi.	1.5	0
102	Longitudinal Analysis Reveals Telomere Length Maintenance In CLL B-Cells But Marked Erosion In CLL Patient T-Cells. Blood, 2013, 122, 1617-1617.	0.6	0
103	CLL Is Associated with Development of Subclinical Cytomegalovirus Viraemia and Accumulation of Large Populations of â€œexhaustedâ€•CMV-Specific CD4+ T Cells. Blood, 2014, 124, 3290-3290.	0.6	0
104	Telomere Length Is Associated with Epigenetic Programming in CLL and Is a Superior Predictor of Clinical Outcome with the Ability to Bifurcate Patients with the Same CLL-IPI Score. Blood, 2018, 132, 1833-1833.	0.6	0
105	Telomere Length Predicts for Outcome to FCR Chemoimmunotherapy in CLL. Blood, 2018, 132, 1854-1854.	0.6	0
106	Telomere Length and CD49d Cooperate with IGHV Gene Status As Predictors of Long-Term Progression-Free Survival in CLL Patients Treated with FCR-Based Regimens. Blood, 2020, 136, 46-47.	0.6	0