Peter M Lansdorp

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1165715/publications.pdf

Version: 2024-02-01

		8159	6454
210	26,831	76	157
papers	citations	h-index	g-index

224	224	224	24057
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Telomere Shortening and Tumor Formation by Mouse Cells Lacking Telomerase RNA. Cell, 1997, 91, 25-34.	13.5	1,988
2	Prediction of Survival in Follicular Lymphoma Based on Molecular Features of Tumor-Infiltrating Immune Cells. New England Journal of Medicine, 2004, 351, 2159-2169.	13.9	1,293
3	Telomerase Mutations in Families with Idiopathic Pulmonary Fibrosis. New England Journal of Medicine, 2007, 356, 1317-1326.	13.9	1,175
4	Production of hybridoma growth factor by human monocytes. European Journal of Immunology, 1987, 17, 1411-1416.	1.6	1,150
5	Telomeres and Aging. Physiological Reviews, 2008, 88, 557-579.	13.1	980
6	Adoptive transfer of effector CD8+ T cells derived from central memory cells establishes persistent T cell memory in primates. Journal of Clinical Investigation, 2008, 118, 294-305.	3.9	735
7	Mutations inTERT,the Gene for Telomerase Reverse Transcriptase, in Aplastic Anemia. New England Journal of Medicine, 2005, 352, 1413-1424.	13.9	665
8	Short telomeres are a risk factor for idiopathic pulmonary fibrosis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 13051-13056.	3.3	665
9	Multi-platform discovery of haplotype-resolved structural variation in human genomes. Nature Communications, 2019, 10, 1784.	5.8	636
10	Telomere Fluorescence Measurements in Granulocytes and T Lymphocyte Subsets Point to a High Turnover of Hematopoietic Stem Cells and Memory T Cells in Early Childhood. Journal of Experimental Medicine, 1999, 190, 157-168.	4.2	611
11	The Mammalian SIR2Î± Protein Has a Role in Embryogenesis and Gametogenesis. Molecular and Cellular Biology, 2003, 23, 38-54.	1.1	579
12	Telomere length dynamics in human lymphocyte subpopulations measured by flow cytometry. Nature Biotechnology, 1998, 16, 743-747.	9.4	523
13	Extension of Cell Life-Span and Telomere Length in Animals Cloned from Senescent Somatic Cells. Science, 2000, 288, 665-669.	6.0	460
14	Detection of G-quadruplex DNA in mammalian cells. Nucleic Acids Research, 2014, 42, 860-869.	6.5	410
15	Gender and telomere length: Systematic review and meta-analysis. Experimental Gerontology, 2014, 51, 15-27.	1.2	394
16	Flow cytometry and FISH to measure the average length of telomeres (flow FISH). Nature Protocols, 2006, 1, 2365-2376.	5.5	369
17	TINF2, a Component of the Shelterin Telomere Protection Complex, Is Mutated in Dyskeratosis Congenita. American Journal of Human Genetics, 2008, 82, 501-509.	2.6	368
18	Differential Expression of Telomerase Activity in Hematopoietic Progenitors from Adult Human Bone Marrow. Stem Cells, 1996, 14, 239-248.	1.4	364

#	Article	IF	Citations
19	The telomerase reverse transcriptase regulates chromatin state and DNA damage responses. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 8222-8227.	3.3	332
20	Telomere Length Dynamics and Chromosomal Instability in Cells Derived from Telomerase Null Mice. Journal of Cell Biology, 1999, 144, 589-601.	2.3	305
21	Short telomeres on human chromosome 17p. Nature Genetics, 1998, 18, 76-80.	9.4	300
22	Very short telomere length by flow fluorescence in situ hybridization identifies patients with dyskeratosis congenita. Blood, 2007, 110, 1439-1447.	0.6	296
23	Centrosome Amplification Is Sufficient to Promote Spontaneous Tumorigenesis in Mammals. Developmental Cell, 2017, 40, 313-322.e5.	3.1	291
24	Regulation of Murine Telomere Length by Rtel. Cell, 2004, 117, 873-886.	13.5	283
25	Mutations of the human telomerase RNA gene (TERC) in aplastic anemia and myelodysplastic syndrome. Blood, 2003, 102, 916-918.	0.6	274
26	Telomere length measurementâ€"Caveats and a critical assessment of the available technologies and tools. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2012, 730, 59-67.	0.4	274
27	Effects of DNA nonhomologous end-joining factors on telomere length and chromosomal stability in mammalian cells. Current Biology, 2001, 11, 1192-1196.	1.8	260
28	Disruption of dog-1 in Caenorhabditis elegans triggers deletions upstream of guanine-rich DNA. Nature Genetics, 2002, 31, 405-409.	9.4	242
29	Late presentation of dyskeratosis congenita as apparently acquired aplastic anaemia due to mutations in telomerase RNA. Lancet, The, 2003, 362, 1628-1630.	6.3	239
30	Biology of Human Umbilical Cord Bloodâ€Derived Hematopoietic Stem/Progenitor Cells. Stem Cells, 1998, 16, 153-165.	1.4	226
31	Accumulation of Short Telomeres in Human Fibroblasts Prior to Replicative Senescence. Experimental Cell Research, 2000, 256, 291-299.	1.2	222
32	Short telomeres on human chromosome 17p. Nature Genetics, 1998, 18, 76-80.	9.4	218
33	Telomere length measurements using digital fluorescence microscopy. , 1999, 36, 267-278.		204
34	A Spectrum of Severe Familial Liver Disorders Associate with Telomerase Mutations. PLoS ONE, 2009, 4, e7926.	1.1	201
35	Collapse of Telomere Homeostasis in Hematopoietic Cells Caused by Heterozygous Mutations in Telomerase Genes. PLoS Genetics, 2012, 8, e1002696.	1.5	199
36	Telomere length in leukocyte subpopulations of patients with aplastic anemia. Blood, 2001, 97, 895-900.	0.6	196

#	Article	IF	Citations
37	Telomerase Activity in Candidate Stem Cells From Fetal Liver and Adult Bone Marrow. Blood, 1998, 91, 3255-3262.	0.6	194
38	Telomere length is associated with disease severity and declines with age in dyskeratosis congenita. Haematologica, 2012, 97, 353-359.	1.7	194
39	Prognostic implications of differences in telomere length between normal and malignant cells from patients with chronic myeloid leukemia measured by flow cytometry. Blood, 2000, 95, 1883-1890.	0.6	182
40	Single-cell sequencing reveals karyotype heterogeneity in murine and human malignancies. Genome Biology, 2016, 17, 115.	3.8	178
41	Immortal Strands? Give Me a Break. Cell, 2007, 129, 1244-1247.	13.5	173
42	Transfer of the human telomerase reverse transcriptase(TERT) gene into T lymphocytes results in extension of replicative potential. Blood, 2001, 98, 597-603.	0.6	171
43	Constitutional hypomorphic telomerase mutations in patients with acute myeloid leukemia. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1187-1192.	3.3	168
44	Ongoing chromosomal instability and karyotype evolution in human colorectal cancer organoids. Nature Genetics, 2019, 51, 824-834.	9.4	162
45	DNA template strand sequencing of single-cells maps genomic rearrangements at high resolution. Nature Methods, 2012, 9, 1107-1112.	9.0	160
46	Stem Cells: Hype and Reality. Hematology American Society of Hematology Education Program, 2002, 2002, 369-391.	0.9	153
47	The Developmental Potential of iPSCs Is Greatly Influenced by Reprogramming Factor Selection. Cell Stem Cell, 2014, 15, 295-309.	5.2	137
48	Telomere length in Hutchinson-Gilford Progeria Syndrome. Mechanisms of Ageing and Development, 2009, 130, 377-383.	2.2	134
49	Telomerase levels control the lifespan of human T lymphocytes. Blood, 2003, 102, 849-857.	0.6	133
50	Synchrony of telomere length among hematopoietic cells. Experimental Hematology, 2010, 38, 854-859.	0.2	131
51	Telomere Maintenance in Telomerase-Deficient Mouse Embryonic Stem Cells: Characterization of an Amplified Telomeric DNA. Molecular and Cellular Biology, 2000, 20, 4115-4127.	1.1	129
52	p53 Prohibits Propagation of Chromosome Segregation Errors that Produce Structural Aneuploidies. Cell Reports, 2017, 19, 2423-2431.	2.9	127
53	Fully phased human genome assembly without parental data using single-cell strand sequencing and long reads. Nature Biotechnology, 2021, 39, 302-308.	9.4	127
54	Asymmetric Cell Divisions Sustain Long-Term Hematopoiesis from Single-sorted Human Fetal Liver Cells. Journal of Experimental Medicine, 1998, 188, 1117-1124.	4.2	126

#	Article	IF	Citations
55	DNA Strand Break-Sensing Molecule Poly(ADP-Ribose) Polymerase Cooperates with p53 in Telomere Function, Chromosome Stability, and Tumor Suppression. Molecular and Cellular Biology, 2001, 21, 4046-4054.	1.1	121
56	Role of oxidative stress in telomere shortening in cultured fibroblasts from normal individuals and patients with ataxia-telangiectasia. Human Molecular Genetics, 2003, 12, 227-232.	1.4	120
57	Single-cell whole genome sequencing reveals no evidence for common aneuploidy in normal and Alzheimerâ€™s disease neurons. Genome Biology, 2016, 17, 116.	3.8	118
58	Accelerated telomere shortening in hematological lineages is limited to the first year following stem cell transplantation. Blood, 2001, 97, 575-577.	0.6	114
59	CD27 Expression Promotes Long-Term Survival of Functional Effectorâ€“Memory CD8+Cytotoxic T Lymphocytes in HIV-infected Patients. Journal of Experimental Medicine, 2004, 200, 1407-1417.	4.2	113
60	Extra-chromosomal telomeric DNA in cells from Atm-/- mice and patients with ataxia-telangiectasia. Human Molecular Genetics, 2001, 10, 519-528.	1.4	108
61	RECQL, a Member of the RecQ Family of DNA Helicases, Suppresses Chromosomal Instability. Molecular and Cellular Biology, 2007, 27, 1784-1794.	1.1	107
62	RTEL1 contributes to DNA replication and repair and telomere maintenance. Molecular Biology of the Cell, 2012, 23, 2782-2792.	0.9	100
63	Improved assembly and variant detection of a haploid human genome using singleâ€molecule, highâ€fidelity long reads. Annals of Human Genetics, 2020, 84, 125-140.	0.3	100
64	Telomeres and disease. EMBO Journal, 2009, 28, 2532-2540.	3.5	99
65	Ancestral Mutation in Telomerase Causes Defects in Repeat Addition Processivity and Manifests As Familial Pulmonary Fibrosis. PLoS Genetics, 2011, 7, e1001352.	1.5	99
66	Functional characterization of natural telomerase mutations found in patients with hematologic disorders. Blood, 2007, 109, 524-532.	0.6	93
67	RTEL1: an essential helicase for telomere maintenance and the regulation of homologous recombination. Nucleic Acids Research, 2011, 39, 1647-1655.	6.5	93
68	Synergistic role of Ku80 and poly(ADP-ribose) polymerase in suppressing chromosomal aberrations and liver cancer formation. Cancer Research, 2002, 62, 6990-6.	0.4	92
69	Lineage commitment in human hemopoiesis involves asymmetric cell division of multipotent progenitors and does not appear to be influenced by cytokines. Journal of Cellular Physiology, 1993, 157, 579-586.	2.0	91
70	Telomere length measurements in leukocyte subsets by automated multicolor flow-FISH. Cytometry, 2003, 55A, 1-6.	1.8	91
71	Estimating human hematopoietic stem cell kinetics using granulocyte telomere lengths. Experimental Hematology, 2004, 32, 1040-1050.	0.2	91
72	Major cutbacks at chromosome ends. Trends in Biochemical Sciences, 2005, 30, 388-395.	3.7	91

#	Article	IF	Citations
73	Identification of sister chromatids by DNA template strand sequences. Nature, 2010, 463, 93-97.	13.7	91
74	Single-cell template strand sequencing by Strand-seq enables the characterization of individual homologs. Nature Protocols, 2017, 12, 1151-1176.	5.5	89
75	Telomere maintenance in human B lymphocytes. British Journal of Haematology, 2002, 119, 810-818.	1.2	86
76	Functional characterization of telomerase RNA variants found in patients with hematologic disorders. Blood, 2005, 105, 2332-2339.	0.6	84
77	Telomeres, stem cells, and hematology. Blood, 2008, 111, 1759-1766.	0.6	84
78	Dense and accurate whole-chromosome haplotyping of individual genomes. Nature Communications, 2017, 8, 1293.	5.8	83
79	BLM helicase suppresses recombination at G-quadruplex motifs in transcribed genes. Nature Communications, 2018, 9, 271.	5.8	83
80	Repair of telomeric DNA prior to replicative senescence. Mechanisms of Ageing and Development, 2000, 118, 23-34.	2.2	81
81	Accelerated Telomere Shortening in the Human Inactive X Chromosome. American Journal of Human Genetics, 1999, 65, 1617-1622.	2.6	80
82	Telomere Length in Human Natural Killer Cell Subsets. Annals of the New York Academy of Sciences, 2007, 1106, 240-252.	1.8	80
83	Extensive Nuclear Reprogramming Underlies Lineage Conversion into Functional Trophoblast Stem-like Cells. Cell Stem Cell, 2015, 17, 543-556.	5.2	80
84	Hematopoietic stem-cell behavior in nonhuman primates. Blood, 2007, 110, 1806-1813.	0.6	78
85	Telomere Length Dynamics in Normal Individuals and in Patients with Hematopoietic Stem Cellâ€Associated Disorders. Annals of the New York Academy of Sciences, 2001, 938, 293-304.	1.8	73
86	Longitudinal data on telomere length in leukocytes from newborn baboons support a marked drop in stem cell turnover around 1Âyear of age. Aging Cell, 2007, 6, 121-123.	3.0	72
87	Longitudinal studies of telomere length in feline blood cells. Experimental Hematology, 2002, 30, 1147-1152.	0.2	70
88	Telomeres, telomerase, and hematopoietic stem cell biology. Archives of Medical Research, 2003, 34, 489-495.	1.5	70
89	Telomere length is inherited with resetting of the telomere set-point. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10148-10153.	3.3	69
90	Characterizing polymorphic inversions in human genomes by single-cell sequencing. Genome Research, 2016, 26, 1575-1587.	2.4	67

#	Article	IF	Citations
91	CD45 isoform expression on human haemopoietic cells at different stages of development. British Journal of Haematology, 1994, 88, 24-30.	1.2	65
92	Telomere restoration and extension of proliferative lifespan in dyskeratosis congenita fibroblasts. Aging Cell, 2007, 6, 383-394.	3.0	63
93	Restoration of the CD4 T Cell Compartment after Long-Term Highly Active Antiretroviral Therapy without Phenotypical Signs of Accelerated Immunological Aging. Journal of Immunology, 2008, 181, 1573-1581.	0.4	60
94	Guanine quadruplex structures localize to heterochromatin. Nucleic Acids Research, 2016, 44, 152-163.	6.5	60
95	Reduced telomere length variation in healthy oldest old. Mechanisms of Ageing and Development, 2008, 129, 638-641.	2.2	59
96	Oligoclonal expansions in the CD8+CD28â^' T cells largely explain the shorter telomeres detected in this subset:. Human Immunology, 2000, 61, 951-958.	1.2	57
97	Quantitative Fluorescence In Situ Hybridization (Qâ€FISH). Current Protocols in Cell Biology, 2001, 12, 18.4.1-18.4.21.	2.3	57
98	Deletion of the MAD2L1 spindle assembly checkpoint gene is tolerated in mouse models of acute T-cell lymphoma and hepatocellular carcinoma. ELife, 2017, 6, .	2.8	56
99	Myeloid-associated antigen 3-Î±-fucosyl-N-acetyllactosamine (FAL): location on various granulocyte membrane glycoproteins and masking upon monocytic differentiation. European Journal of Immunology, 1984, 14, 1089-1095.	1.6	53
100	Telomere Length in Subpopulations of Human Hematopoietic Cells. Stem Cells, 2003, 21, 654-660.	1.4	53
101	Multicolor fluorescence in situ hybridization with peptide nucleic acid probes for enumeration of specific chromosomes in human cells. Genes Chromosomes and Cancer, 2001, 30, 57-63.	1.5	52
102	Direct chromosome-length haplotyping by single-cell sequencing. Genome Research, 2016, 26, 1565-1574.	2.4	52
103	Quantitation and characterization of human megakaryocyte colonyâ€forming cells using a standardized serumâ€free agarose assay. British Journal of Haematology, 1997, 96, 790-800.	1.2	51
104	Telomere shortening in hematopoietic stem cell transplantation: A potential mechanism for late graft failure?. Biology of Blood and Marrow Transplantation, 2002, 8, 597-600.	2.0	51
105	The Luminal Progenitor Compartment of the Normal Human Mammary Gland Constitutes a Unique Site of Telomere Dysfunction. Stem Cell Reports, 2013, 1, 28-37.	2.3	50
106	Characterization of primitive hematopoietic cells from patients with dyskeratosis congenita. Blood, 2008, 111, 4523-4531.	0.6	49
107	How to count chromosomes in a cell: An overview of current and novel technologies. BioEssays, 2015, 37, 570-577.	1.2	49
108	Single laser three color immunofluorescence staining procedures based on energy transfer between phycoerythrin and cyanine 5. Cytometry, 1991, 12, 723-730.	1.8	48

#	Article	IF	Citations
109	Measurements of telomere length on individual chromosomes by image cytometry. Methods in Cell Biology, 2001, 64, 69-96.	0.5	47
110	Identification and functional characterization of 2 variant alleles of the telomerase RNA template gene (TERC) in a patient with dyskeratosis congenita. Blood, 2005, 106, 1246-1252.	0.6	43
111	Cyclic tetramolecular complexes of monoclonal antibodies: A new type of cross-linking reagent. European Journal of Immunology, 1986, 16, 679-683.	1.6	42
112	High gradient magnetic separation of cells on the basis of expression levels of cell surface antigens. Journal of Immunological Methods, 1992, 154, 245-252.	0.6	42
113	Telomere length and the expression of natural telomeric genes in human fibroblasts. Human Molecular Genetics, 2003, 12, 1329-1336.	1.4	40
114	Unusual distribution pattern of telomeric repeats in the shrews Sorex araneus and Sorex granarius. Chromosome Research, 2005, 13, 617-625.	1.0	40
115	Absence or low number of telomere repeats at junctions of dicentric chromosomes. , 1999, 24, 83-86.		39
116	The Mammalian Proteins MMS19, MIP18, and ANT2 Are Involved in Cytoplasmic Iron-Sulfur Cluster Protein Assembly. Journal of Biological Chemistry, 2012, 287, 43351-43358.	1.6	39
117	Short Telomeres Resulting from Heritable Mutations in the Telomerase Reverse Transcriptase Gene Predispose for a Variety of Malignancies. Annals of the New York Academy of Sciences, 2009, 1176, 178-190.	1.8	38
118	Probing the mitotic history and developmental stage of hematopoietic cells using single telomere length analysis (STELA). Blood, 2009, 113, 5765-5775.	0.6	38
119	Telomere shortening in leukocyte subpopulations from baboons. Journal of Leukocyte Biology, 2003, 73, 289-296.	1.5	37
120	Role of Telomerase in Hematopoietic Stem Cells. Annals of the New York Academy of Sciences, 2005, 1044, 220-227.	1.8	37
121	Sperm DNA damage causes genomic instability in early embryonic development. Science Advances, 2020, 6, eaaz7602.	4.7	37
122	Lessons from Mice without Telomerase. Journal of Cell Biology, 1997, 139, 309-312.	2.3	36
123	Telomere elongation followed by telomere length reduction, in leukocytes from divers exposed to intense oxidative stress â€“ Implications for tissue and organismal aging. Mechanisms of Ageing and Development, 2011, 132, 123-130.	2.2	36
124	Guanine quadruplex monoclonal antibody 1H6 cross-reacts with restrained thymidine-rich single stranded DNA. Nucleic Acids Research, 2017, 45, 5913-5919.	6.5	36
125	Proliferative defects in dyskeratosis congenita skin keratinocytes are corrected by expression of the telomerase reverse transcriptase, TERT, or by activation of endogenous telomerase through expression of papillomavirus E6/E7 or the telomerase RNA component, TERC. Experimental Dermatology, 2010, 19, 279-288.	1.4	34
126	Helicases FANCJ, RTEL1 and BLM Act on Guanine Quadruplex DNA in Vivo. Genes, 2019, 10, 870.	1.0	33

#	Article	IF	Citations
127	Quantification of Aneuploidy in Mammalian Systems. Methods in Molecular Biology, 2019, 1896, 159-190.	0.4	33
128	Analysis of Released Circulating Tumor Cells During Surgery for Non-Small Cell Lung Cancer. Clinical Cancer Research, 2020, 26, 1656-1666.	3.2	33
129	Telomere Length Measurements Using Fluorescence In Situ Hybridization and Flow Cytometry. Methods in Cell Biology, 2004, 75, 719-750.	0.5	32
130	BAIT: Organizing genomes and mapping rearrangements in single cells. Genome Medicine, 2013, 5, 82.	3.6	32
131	breakpointR: an R/Bioconductor package to localize strand state changes in Strand-seq data. Bioinformatics, 2020, 36, 1260-1261.	1.8	32
132	Functional characterization of multiple domains involved in the subcellular localization of the hematopoietic Pbx interacting protein (HPIP). Oncogene, 2002, 21, 6766-6771.	2.6	31
133	Limited Telomere Shortening in Hematopoietic Stem Cells after Transplantation. Annals of the New York Academy of Sciences, 2001, 938, 1-8.	1.8	31
134	Detection of Circulating Tumor Cells in the Diagnostic Leukapheresis Product of Non-Small-Cell Lung Cancer Patients Comparing CellSearchÂ® and ISET. Cancers, 2020, 12, 896.	1.7	31
135	Genome-wide mapping of sister chromatid exchange events in single yeast cells using Strand-seq. ELife, 2017, 6, .	2.8	30
136	Telomeres, aging, and cancer: the big picture. Blood, 2022, 139, 813-821.	0.6	30
137	Stress, social rank and leukocyte telomere length. Aging Cell, 2006, 5, 583-584.	3.0	29
138	High incidence of rapid telomere loss in telomerase-deficient Caenorhabditis elegans. Nucleic Acids Research, 2006, 34, 96-103.	6.5	29
139	Strand-seq: A unifying tool for studies of chromosome segregation. Seminars in Cell and Developmental Biology, 2013, 24, 643-652.	2.3	29
140	Normalization of Previously Shortened Telomere Length under Treatment with Imatinib Argues against a Preexisting Telomere Length Deficit in Normal Hematopoietic Stem Cells from Patients with Chronic Myeloid Leukemia. Annals of the New York Academy of Sciences, 2003, 996, 26-38.	1.8	28
141	Telomere length in peripheral blood granulocytes reflects response to treatment with imatinib in patients with chronic myeloid leukemia. Blood, 2003, 101, 375-375.	0.6	27
142	Strain-specific telomere length revealed by single telomere length analysis in Caenorhabditis elegans. Nucleic Acids Research, 2004, 32, 3383-3391.	6.5	27
143	Modelling Perspectives on Aging: Can Mathematics Help us Stay Young?. Journal of Theoretical Biology, 2001, 213, 509-525.	0.8	26
144	Ataxia and pancytopenia caused by a mutation in TINF2. Human Genetics, 2008, 124, 507-513.	1.8	26

#	Article	IF	Citations
145	Purification and analysis of bispecific tetrameric antibody complexes. Molecular Immunology, 1990, 27, 659-666.	1.0	24
146	Analysis of repetitive DNA in chromosomes by flow cytometry. Nature Methods, 2011, 8, 484-486.	9.0	23
147	Bromodeoxyuridine does not contribute to sister chromatid exchange events in normal or Bloom syndrome cells. Nucleic Acids Research, 2016, 44, 6787-6793.	6.5	23
148	Genetic, parental and lifestyle factors influence telomere length. Communications Biology, 2022, 5, .	2.0	23
149	Specific binding and release of cells from beads using cleavable tetrameric antibody complexes. Journal of Immunological Methods, 1989, 120, 221-231.	0.6	22
150	Telomeres in Hematopoietic Stem Cells. Annals of the New York Academy of Sciences, 2003, 996, 44-48.	1.8	21
151	Intrinsic control of stem cell fate. Stem Cells, 1997, 15, 223-227.	1.4	20
152	Culture of Purified Stem Cells from Fetal Liver Results in Loss of In Vivo Repopulating Potential. Stem Cells and Development, 1996, 5, 25-37.	1.0	19
153	Prolonged self-renewal activity unmasks telomerase control of telomere homeostasis and function of mouse hematopoietic stem cells. Blood, 2011, 118, 1766-1773.	0.6	19
154	Maintenance of telomere length in AML. Blood Advances, 2017, 1, 2467-2472.	2.5	19
155	Sex differences in telomere length, lifespan, and embryonic dyskerin levels. Aging Cell, 2022, 21, e13614.	3.0	19
156	Epigenetic differences between sister chromatids?. Annals of the New York Academy of Sciences, 2012, 1266, 1-6.	1.8	18
157	Single-cell sequencing to quantify genomic integrity in cancer. International Journal of Biochemistry and Cell Biology, 2018, 94, 146-150.	1.2	15
158	Feature analysis and centromere segmentation of human chromosome images using an iterative fuzzy algorithm. IEEE Transactions on Biomedical Engineering, 2002, 49, 363-371.	2.5	14
159	Defects in lymphocyte telomere homeostasis contribute to cellular immune phenotype in patients with cartilage-hair hypoplasia. Journal of Allergy and Clinical Immunology, 2017, 140, 1120-1129.e1.	1.5	14
160	RECQL5 at the Intersection of Replication and Transcription. Frontiers in Cell and Developmental Biology, 2020, 8, 324.	1.8	14
161	Functional Characterization of Telomerase RNA Variants Found in Patients with Hematological Disorders.. Blood, 2004, 104, 2832-2832.	0.6	14
162	Telomeres in the Haemopoietic System. Novartis Foundation Symposium, 1997, 211, 209-226.	1.2	14

#	Article	IF	Citations
163	Time Lapse Video Recordings of Highly Purified Human Hematopoietic Progenitor Cells in Culture. Stem Cells, 1993, 11, 243-248.	1.4	13
164	Asymmetric Cell Divisions in Hematopoietic Stem Cells. Annals of the New York Academy of Sciences, 1999, 872, 265-273.	1.8	13
165	Effect ofTERTandATMon gene expression profiles in human fibroblasts. Genes Chromosomes and Cancer, 2004, 39, 298-310.	1.5	11
166	Chromosome orientation fluorescence in situ hybridization to study sister chromatid segregation in vivo. Nature Protocols, 2010, 5, 1362-1377.	5.5	11
167	Resolution of telomere associations by TRF1 cleavage in mouse embryonic stem cells. Molecular Biology of the Cell, 2014, 25, 1958-1968.	0.9	11
168	TINF2 Mutations In Patients with Aplastic Anemia Result In Low TIN2 Expression In Hematopoietic Cells and Very Short Telomeres.. Blood, 2010, 116, 1165-1165.	0.6	11
169	Telomere Length Regulation. Frontiers in Oncology, 0, 12, .	1.3	11
170	Mitogenic responses of canine peripheral blood lymphocytes to staphylococcal protein A. Journal of Immunological Methods, 1980, 32, 157-166.	0.6	10
171	3 Cytokines acting early in human haematopoiesis. Best Practice and Research: Clinical Haematology, 1994, 7, 49-63.	1.1	10
172	Assembling draft genomes using contiBAIT. Bioinformatics, 2017, 33, 2737-2739.	1.8	10
173	Genes Encoding Telomere-Binding Proteins TERF1, TERF2 and TIN2 Are mutated in Patients with Acquired Aplastic Anemia.. Blood, 2004, 104, 170-170.	0.6	10
174	Construction of Strand-seq libraries in open nanoliter arrays. Cell Reports Methods, 2022, 2, 100150.	1.4	10
175	Colony-forming cells in chronic granulocytic leukemia - I. Proliferative responses to growth factors. Leukemia Research, 1985, 9, 1337-1344.	0.4	7
176	Hepatitis-associated Aplastic Anemia Presenting as a Familial Bone Marrow Failure Syndrome. Journal of Pediatric Hematology/Oncology, 2009, 31, 884-887.	0.3	7
177	Immunoadsorption of T cells onto glass beads using tetramolecular complexes of monoclonal antibodies. Journal of Immunological Methods, 1988, 112, 219-226.	0.6	6
178	Deposition Bias of Chromatin Proteins Inverts under DNA Replication Stress Conditions. ACS Chemical Biology, 2021, 16, 2193-2201.	1.6	6
179	Allografting in chronic myeloid leukemia with cultured marrow: Update of the vancouver study. Stem Cells, 1993, 11, 64-66.	1.4	5
180	Construction of Whole Genomes from Scaffolds Using Single Cell Strand-Seq Data. International Journal of Molecular Sciences, 2021, 22, 3617.	1.8	5

#	Article	IF	Citations
181	Leukapheresis increases circulating tumour cell yield in non-small cell lung cancer, counts related to tumour response and survival. British Journal of Cancer, 2022, 126, 409-418.	2.9	5
182	Telomere length in paroxysmal nocturnal hemoglobinuria correlates with clone size. Experimental Hematology, 2007, 35, 1777-1781.	0.2	4
183	Constitutional Loss-of-Function Mutations in Telomerase Are Genetic Risk Factors for Acute Myeloid Leukemia.. Blood, 2007, 110, 16-16.	0.6	4
184	Correlation of Telomere Length in Blood, Buccal Cells, and Fibroblasts From Patients with Inherited Bone Marrow Failure Syndromes.. Blood, 2009, 114, 1083-1083.	0.6	4
185	Telomerase-Associated Protein TEP1 Is Not Essential for Telomerase Activity or Telomere Length Maintenance In Vivo. Molecular and Cellular Biology, 2000, 20, 8178-8184.	1.1	4
186	Mixed megakaryocytic-granulocytic differentiation during diffusion chamber culture of peripheral blast cells from the blast crisis of chronic myelocytic leukemia. Leukemia Research, 1985, 9, 1031-1041.	0.4	3
187	Telomere Length Dynamics in Normal and Malignant Hematopoiesis. Rejuvenation Research, 2000, 3, 397-409.	0.2	3
188	InvertypeR: Bayesian inversion genotyping with Strand-seq data. BMC Genomics, 2021, 22, 582.	1.2	3
189	Telomeres on Steroids â€" Turning Back the Mitotic Clock?. New England Journal of Medicine, 2016, 374, 1978-1980.	13.9	2
190	A Large Mennonite Family with a Novel K570N TERT Gene Mutation: Association with a Clinical Spectrum of Bone Marrow Failure, Acute Myeloid Leukemia, and Acute Liver Failure.. Blood, 2006, 108, 992-992.	0.6	2
191	Telomere Length Measurement by Flow-FISH Distinguishes Dyskeratosis Congenita from Other Bone Marrow Failure Syndromes.. Blood, 2006, 108, 183-183.	0.6	2
192	Mapping of sister chromatid exchange events and genome alterations in single cells. Methods, 2022, 204, 64-72.	1.9	2
193	Use of Lectins for Characterization and Purification of Human Bone Marrow Cells That Express CD34. Stem Cells and Development, 1992, 1, 55-64.	1.0	1
194	Mutations in TERT, the Gene Encoding Telomerase Reverse Transcriptase, in â€œAcquiredâ€•Aplastic Anemia Inhibit Enzymatic Function by a Dominant Negative Mechanism of Action.. Blood, 2004, 104, 3-3.	0.6	1
195	High Prevalence of TERT Mutations in Chronic Lymphocytic Leukemia. Blood, 2008, 112, 3126-3126.	0.6	1
196	Telomerase and T-cell function. Blood, 2001, 97, 585-586.	0.6	0
197	Secondary Responses of Alloantigenâ€Primed Dog Lymphocytes. Tissue Antigens, 1980, 15, 40-46.	1.0	0
198	Molecular Biology of Stem Cell Renewal. , 0, , 64-71.		0

#	Article	IF	Citations
199	Analysis of genome structure and rearrangements using single cell sequencing approaches. Experimental Hematology, 2016, 44, S35.	0.2	0
200	Ihor Lemischka (1953-2017). Stem Cell Reports, 2018, 10, 329-330.	2.3	0
201	Age Related Changes in Hoechst 33342 Efflux Dynamics and Side Population Phenotype in Murine Bone Marrow.. Blood, 2004, 104, 3220-3220.	0.6	0
202	T-Cells with Extremely Short Telomeres and High Telomerase Activity in T-Cell Prolymphocytic Leukemia (T-PLL): The Ideal Target for Telomerase Inhibition.. Blood, 2006, 108, 497-497.	0.6	0
203	TINF2, a Component of the Shelterin Telomere Protection Complex, Is Mutated in Dyskeratosis Congenita.. Blood, 2007, 110, 835-835.	0.6	0
204	The Impact of Telomere Shortening in Dyskeratosis Congenita Cells on DNA Damage Response Pathways.. Blood, 2007, 110, 4052-4052.	0.6	0
205	Loss of Primitive Hematopoietic Cells in Patients with Dyskeratosis Congenita.. Blood, 2007, 110, LB3-LB3.	0.6	0
206	TERT Mutations in Patients with Squamous Cell Carcinoma of the Tongue and Refractory Anemia. Blood, 2008, 112, 3096-3096.	0.6	0
207	Characterization of Novel Natural Mutations in Telomere Binding Protein Factor (TIN2) Identified in Patients with Bone-Marrow Failure Syndromes. Blood, 2008, 112, 3101-3101.	0.6	0
208	Probing the Mitotic History and Developmental Stage of Hematopoietic Cells Using Single Telomere Length Analysis (STELA). Blood, 2008, 112, 2449-2449.	0.6	0
209	Very Short Telomeres Are Characteristic of Dyskeratosis Congenita and Not Other Inherited Bone Marrow Failure Syndromes. Blood, 2008, 112, 1044-1044.	0.6	0
210	Longitudinal Changes In Telomere Length In Patients with Dyskeratosis Congenita. Blood, 2010, 116, 2230-2230.	0.6	0