

Maria A Blasco

List of Publications by Year in descending order

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286
papers

53,602
citations

1614

105
h-index

1347

223
g-index

294
all docs

294
docs citations

294
times ranked

48638
citing authors

#	ARTICLE	IF	CITATIONS
1	The Hallmarks of Aging. <i>Cell</i> , 2013, 153, 1194-1217.	28.9	10,992
2	Telomere Shortening and Tumor Formation by Mouse Cells Lacking Telomerase RNA. <i>Cell</i> , 1997, 91, 25-34.	28.9	1,988
3	Cellular Senescence in Cancer and Aging. <i>Cell</i> , 2007, 130, 223-233.	28.9	1,484
4	Telomeres and human disease: ageing, cancer and beyond. <i>Nature Reviews Genetics</i> , 2005, 6, 611-622.	16.3	1,435
5	Longevity, Stress Response, and Cancer in Aging Telomerase-Deficient Mice. <i>Cell</i> , 1999, 96, 701-712.	28.9	1,294
6	Essential role of mouse telomerase in highly proliferative organs. <i>Nature</i> , 1998, 392, 569-574.	27.8	1,195
7	Personal Omics Profiling Reveals Dynamic Molecular and Medical Phenotypes. <i>Cell</i> , 2012, 148, 1293-1307.	28.9	1,134
8	A p53-mediated DNA damage response limits reprogramming to ensure iPS cell genomic integrity. <i>Nature</i> , 2009, 460, 1149-1153.	27.8	959
9	The common biology of cancer and ageing. <i>Nature</i> , 2007, 448, 767-774.	27.8	903
10	The Ink4/Arf locus is a barrier for iPS cell reprogramming. <i>Nature</i> , 2009, 460, 1136-1139.	27.8	897
11	Developmentally regulated transcription of mammalian telomeres by DNA-dependent RNA polymerase II. <i>Nature Cell Biology</i> , 2008, 10, 228-236.	10.3	691
12	Telomere length, stem cells and aging. <i>Nature Chemical Biology</i> , 2007, 3, 640-649.	8.0	637
13	Isolation and in vitro expansion of human colonic stem cells. <i>Nature Medicine</i> , 2011, 17, 1225-1227.	30.7	616
14	The epigenetic regulation of mammalian telomeres. <i>Nature Reviews Genetics</i> , 2007, 8, 299-309.	16.3	607
15	Secondary Structure of Vertebrate Telomerase RNA. <i>Cell</i> , 2000, 100, 503-514.	28.9	547
16	DNA methyltransferases control telomere length and telomere recombination in mammalian cells. <i>Nature Cell Biology</i> , 2006, 8, 416-424.	10.3	538
17	Epigenetic regulation of telomere length in mammalian cells by the Suv39h1 and Suv39h2 histone methyltransferases. <i>Nature Genetics</i> , 2004, 36, 94-99.	21.4	499
18	'Super p53' mice exhibit enhanced DNA damage response, are tumor resistant and age normally. <i>EMBO Journal</i> , 2002, 21, 6225-6235.	7.8	495

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19	Hepatocyte telomere shortening and senescence are general markers of human liver cirrhosis. <i>FASEB Journal</i> , 2002, 16, 935-942.	0.5	469
20	Tissue damage and senescence provide critical signals for cellular reprogramming in vivo. <i>Science</i> , 2016, 354, .	12.6	466
21	Telomeres Acquire Embryonic Stem Cell Characteristics in Induced Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2009, 4, 141-154.	11.1	450
22	Telomeric and extra-telomeric roles for telomerase and the telomere-binding proteins. <i>Nature Reviews Cancer</i> , 2011, 11, 161-176.	28.4	443
23	Delayed ageing through damage protection by the Arf/p53 pathway. <i>Nature</i> , 2007, 448, 375-379.	27.8	439
24	Disease states associated with telomerase deficiency appear earlier in mice with short telomeres. <i>EMBO Journal</i> , 1999, 18, 2950-2960.	7.8	426
25	A Subpopulation of Adult Skeletal Muscle Stem Cells Retains All Template DNA Strands after Cell Division. <i>Cell</i> , 2012, 148, 112-125.	28.9	421
26	Telomerase gene therapy in adult and old mice delays aging and increases longevity without increasing cancer. <i>EMBO Molecular Medicine</i> , 2012, 4, 691-704.	6.9	403
27	Effects of Telomerase and Telomere Length on Epidermal Stem Cell Behavior. <i>Science</i> , 2005, 309, 1253-1256.	12.6	400
28	Telomerase Reverse Transcriptase Delays Aging in Cancer-Resistant Mice. <i>Cell</i> , 2008, 135, 609-622.	28.9	396
29	Functional Characterization and Developmental Regulation of Mouse Telomerase RNA. <i>Science</i> , 1995, 269, 1267-1270.	12.6	350
30	A mammalian microRNA cluster controls DNA methylation and telomere recombination via Rbl2-dependent regulation of DNA methyltransferases. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 268-279.	8.2	348
31	Telomere lengthening early in development. <i>Nature Cell Biology</i> , 2007, 9, 1436-1441.	10.3	330
32	Increased epidermal tumors and increased skin wound healing in transgenic mice overexpressing the catalytic subunit of telomerase, mTERT, in basal keratinocytes. <i>EMBO Journal</i> , 2001, 20, 2619-2630.	7.8	325
33	Telomerase-deficient mice with short telomeres are resistant to skin tumorigenesis. <i>Nature Genetics</i> , 2000, 26, 114-117.	21.4	319
34	Increased telomere fragility and fusions resulting from TRF1 deficiency lead to degenerative pathologies and increased cancer in mice. <i>Genes and Development</i> , 2009, 23, 2060-2075.	5.9	317
35	Role of the RB1 family in stabilizing histone methylation at constitutive heterochromatin. <i>Nature Cell Biology</i> , 2005, 7, 420-428.	10.3	314
36	Telomere length regulates the epigenetic status of mammalian telomeres and subtelomeres. <i>Nature Genetics</i> , 2007, 39, 243-250.	21.4	313

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37	Telomere Length Dynamics and Chromosomal Instability in Cells Derived from Telomerase Null Mice. <i>Journal of Cell Biology</i> , 1999, 144, 589-601.	5.2	305
38	Mammalian Ku86 protein prevents telomeric fusions independently of the length of TTAGGG repeats and the G-strand overhang. <i>EMBO Reports</i> , 2000, 1, 244-252.	4.5	299
39	The longest telomeres: a general signature of adult stem cell compartments. <i>Genes and Development</i> , 2008, 22, 654-667.	5.9	299
40	Differential regulation of telomerase activity and telomerase RNA during multi-stage tumorigenesis. <i>Nature Genetics</i> , 1996, 12, 200-204.	21.4	281
41	High-throughput telomere length quantification by FISH and its application to human population studies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5300-5305.	7.1	276
42	The telomerase activator TERC5 elongates short telomeres and increases health span of adult/old mice without increasing cancer incidence. <i>Aging Cell</i> , 2011, 10, 604-621.	6.7	259
43	Restoration of telomerase activity rescues chromosomal instability and premature aging in Terc ^Δ mice with short telomeres. <i>EMBO Reports</i> , 2001, 2, 800-807.	4.5	253
44	Ablation of telomerase and telomere loss leads to cardiac dilatation and heart failure associated with p53 upregulation. <i>EMBO Journal</i> , 2003, 22, 131-139.	7.8	253
45	A general structure for DNA-dependent DNA polymerases. <i>Gene</i> , 1991, 100, 27-38.	2.2	242
46	Suv4-20h deficiency results in telomere elongation and derepression of telomere recombination. <i>Journal of Cell Biology</i> , 2007, 178, 925-936.	5.2	237
47	POT1 mutations cause telomere dysfunction in chronic lymphocytic leukemia. <i>Nature Genetics</i> , 2013, 45, 526-530.	21.4	236
48	Telomere shortening rate predicts species life span. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15122-15127.	7.1	236
49	Mammalian Rap1 controls telomere function and gene expression through binding to telomeric and extratelomeric sites. <i>Nature Cell Biology</i> , 2010, 12, 768-780.	10.3	220
50	SIRT1 contributes to telomere maintenance and augments global homologous recombination. <i>Journal of Cell Biology</i> , 2010, 191, 1299-1313.	5.2	220
51	Global chromatin compaction limits the strength of the DNA damage response. <i>Journal of Cell Biology</i> , 2007, 178, 1101-1108.	5.2	217
52	Short Telomeres Result in Organismal Hypersensitivity to Ionizing Radiation in Mammals. <i>Journal of Experimental Medicine</i> , 2000, 192, 1625-1636.	8.5	212
53	Telomere damage induced by the G-quadruplex ligand RHPS4 has an antitumor effect. <i>Journal of Clinical Investigation</i> , 2007, 117, 3236-3247.	8.2	212
54	XPF nuclease-dependent telomere loss and increased DNA damage in mice overexpressing TRF2 result in premature aging and cancer. <i>Nature Genetics</i> , 2005, 37, 1063-1071.	21.4	207

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55	Telomerase regulation and stem cell behaviour. <i>Current Opinion in Cell Biology</i> , 2006, 18, 254-260.	5.4	205
56	Telomere Maintenance Requires the RAD51D Recombination/Repair Protein. <i>Cell</i> , 2004, 117, 337-347.	28.9	204
57	Expression of mouse telomerase catalytic subunit in embryos and adult tissues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 10471-10476.	7.1	198
58	Telomere-driven diseases and telomere-targeting therapies. <i>Journal of Cell Biology</i> , 2017, 216, 875-887.	5.2	194
59	MARK-AGE biomarkers of ageing. <i>Mechanisms of Ageing and Development</i> , 2015, 151, 2-12.	4.6	189
60	The Absence of the DNA-Dependent Protein Kinase Catalytic Subunit in Mice Results in Anaphase Bridges and in Increased Telomeric Fusions with Normal Telomere Length and G-Strand Overhang. <i>Molecular and Cellular Biology</i> , 2001, 21, 3642-3651.	2.3	188
61	Mammalian Ku86 mediates chromosomal fusions and apoptosis caused by critically short telomeres. <i>EMBO Journal</i> , 2002, 21, 2207-2219.	7.8	188
62	A G-Quadruplex Ligand with 10000-Fold Selectivity over Duplex DNA. <i>Journal of the American Chemical Society</i> , 2007, 129, 1502-1503.	13.7	188
63	A "higher order"™ of telomere regulation: telomere heterochromatin and telomeric RNAs. <i>EMBO Journal</i> , 2009, 28, 2323-2336.	7.8	188
64	Telomerase at the intersection of cancer and aging. <i>Trends in Genetics</i> , 2013, 29, 513-520.	6.7	186
65	Oxidative Stress Contributes to Arsenic-induced Telomere Attrition, Chromosome Instability, and Apoptosis. <i>Journal of Biological Chemistry</i> , 2003, 278, 31998-32004.	3.4	182
66	Mice with Pulmonary Fibrosis Driven by Telomere Dysfunction. <i>Cell Reports</i> , 2015, 12, 286-299.	6.4	175
67	Cancer and ageing: convergent and divergent mechanisms. <i>Nature Reviews Molecular Cell Biology</i> , 2007, 8, 715-722.	37.0	174
68	Functional Interaction between Poly(ADP-Ribose) Polymerase 2 (PARP-2) and TRF2: PARP Activity Negatively Regulates TRF2. <i>Molecular and Cellular Biology</i> , 2004, 24, 1595-1607.	2.3	166
69	Identification of novel pathways involved in the pathogenesis of human adamantinomatous craniopharyngioma. <i>Acta Neuropathologica</i> , 2012, 124, 259-271.	7.7	164
70	Telomere Shortening in Neural Stem Cells Disrupts Neuronal Differentiation and Neuritogenesis. <i>Journal of Neuroscience</i> , 2009, 29, 14394-14407.	3.6	163
71	The Rate of Increase of Short Telomeres Predicts Longevity in Mammals. <i>Cell Reports</i> , 2012, 2, 732-737.	6.4	163
72	Telomeres in cancer and ageing. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 76-84.	4.0	161

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73	Telomerase beyond telomeres. <i>Nature Reviews Cancer</i> , 2002, 2, 627-633.	28.4	160
74	Nuclear envelope defects cause stem cell dysfunction in premature-aging mice. <i>Journal of Cell Biology</i> , 2008, 181, 27-35.	5.2	160
75	Cohesin-SA1 deficiency drives aneuploidy and tumorigenesis in mice due to impaired replication of telomeres. <i>EMBO Journal</i> , 2012, 31, 2076-2089.	7.8	160
76	A GRFa2/Prop1/Stem (GPS) Cell Niche in the Pituitary. <i>PLoS ONE</i> , 2009, 4, e4815.	2.5	158
77	Irregular telomeres impair meiotic synapsis and recombination in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 6496-6501.	7.1	146
78	An Essential Role for Functional Telomeres in Mouse Germ Cells during Fertilization and Early Development. <i>Developmental Biology</i> , 2002, 249, 74-84.	2.0	145
79	Telomere shortening impairs organ regeneration by inhibiting cell cycle re-entry of a subpopulation of cells. <i>EMBO Journal</i> , 2003, 22, 4003-4013.	7.8	144
80	Transformation of normal human cells in the absence of telomerase activation. <i>Cancer Cell</i> , 2002, 2, 401-413.	16.8	143
81	Assessing Cell and Organ Senescence Biomarkers. <i>Circulation Research</i> , 2012, 111, 97-109.	4.5	141
82	BRCA2 acts as a RAD51 loader to facilitate telomere replication and capping. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 1461-1469.	8.2	140
83	Long-term repopulating ability of telomerase-deficient murine hematopoietic stem cells. <i>Blood</i> , 2002, 99, 2767-2775.	1.4	139
84	Impaired germinal center reaction in mice with short telomeres. <i>EMBO Journal</i> , 2000, 19, 472-481.	7.8	137
85	Telomere shortening and chromosomal instability abrogates proliferation of adult but not embryonic neural stem cells. <i>Development (Cambridge)</i> , 2004, 131, 4059-4070.	2.5	133
86	Mice with bad ends: mouse models for the study of telomeres and telomerase in cancer and aging. <i>EMBO Journal</i> , 2005, 24, 1095-1103.	7.8	130
87	Role of shelterin in cancer and aging. <i>Aging Cell</i> , 2010, 9, 653-666.	6.7	127
88	Telomere shortening in mTR ^{-/-} embryos is associated with failure to close the neural tube. <i>EMBO Journal</i> , 1999, 18, 1172-1181.	7.8	126
89	Telomerase expression confers cardioprotection in the adult mouse heart after acute myocardial infarction. <i>Nature Communications</i> , 2014, 5, 5863.	12.8	125
90	A mutation in the POT1 gene is responsible for cardiac angiosarcoma in TP53-negative Liê€Fraumeni-like families. <i>Nature Communications</i> , 2015, 6, 8383.	12.8	124

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91	Telomerase deficiency impairs differentiation of mesenchymal stem cells. <i>Experimental Cell Research</i> , 2004, 294, 1-8.	2.6	123
92	Telomere length predicts embryo fragmentation after in vitro fertilization in womenâ€”Toward a telomere theory of reproductive aging in women. <i>American Journal of Obstetrics and Gynecology</i> , 2005, 192, 1256-1260.	1.3	122
93	Evolving views of telomerase and cancer. <i>Trends in Cell Biology</i> , 2003, 13, 289-294.	7.9	120
94	Porphyrin Derivatives for Telomere Binding and Telomerase Inhibition. <i>ChemBioChem</i> , 2005, 6, 123-132.	2.6	120
95	TERRA transcripts are bound by a complex array of RNA-binding proteins. <i>Nature Communications</i> , 2010, 1, 33.	12.8	119
96	The role of telomeres and telomerase in stem cell aging. <i>FEBS Letters</i> , 2010, 584, 3826-3830.	2.8	118
97	TPP1 Is Required for TERT Recruitment, Telomere Elongation during Nuclear Reprogramming, and Normal Skin Development in Mice. <i>Developmental Cell</i> , 2010, 18, 775-789.	7.0	116
98	p53 isoforms regulate aging- and tumor-associated replicative senescence in T lymphocytes. <i>Journal of Clinical Investigation</i> , 2013, 123, 5247-5257.	8.2	116
99	Functional interaction between DNA-PKcs and telomerase in telomere length maintenance. <i>EMBO Journal</i> , 2002, 21, 6275-6287.	7.8	115
100	Telomerase abrogation dramatically accelerates TRF2-induced epithelial carcinogenesis. <i>Genes and Development</i> , 2007, 21, 206-220.	5.9	115
101	Centromere mitotic recombination in mammalian cells. <i>Journal of Cell Biology</i> , 2008, 181, 885-892.	5.2	115
102	Replicating through telomeres: a means to an end. <i>Trends in Biochemical Sciences</i> , 2015, 40, 504-515.	7.5	113
103	Shorter telomeres, accelerated ageing and increased lymphoma in DNAâ€”PKcsâ€”deficient mice. <i>EMBO Reports</i> , 2004, 5, 503-509.	4.5	111
104	Epigenetic regulation of telomeres in human cancer. <i>Oncogene</i> , 2008, 27, 6817-6833.	5.9	111
105	The load of short telomeres is increased and associated with lifetime number of depressive episodes in bipolar II disorder. <i>Journal of Affective Disorders</i> , 2011, 135, 43-50.	4.1	111
106	A role for the Rb family of proteins in controlling telomere length. <i>Nature Genetics</i> , 2002, 32, 415-419.	21.4	108
107	Role of Rb Family in the Epigenetic Definition of Chromatin. <i>Cell Cycle</i> , 2005, 4, 752-755.	2.6	104
108	Increased p53 activity does not accelerate telomereâ€”driven ageing. <i>EMBO Reports</i> , 2006, 7, 546-552.	4.5	103

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109	RAP1 Protects from Obesity through Its Extratelomeric Role Regulating Gene Expression. <i>Cell Reports</i> , 2013, 3, 2059-2074.	6.4	102
110	Mice with hyper-long telomeres show less metabolic aging and longer lifespans. <i>Nature Communications</i> , 2019, 10, 4723.	12.8	102
111	Haploinsufficiency for BRCA1 leads to cell-type-specific genomic instability and premature senescence. <i>Nature Communications</i> , 2015, 6, 7505.	12.8	101
112	TERRA recruitment of polycomb to telomeres is essential for histone trimethylation marks at telomeric heterochromatin. <i>Nature Communications</i> , 2018, 9, 1548.	12.8	101
113	Many ways to telomere dysfunction: in vivo studies using mouse models. <i>Oncogene</i> , 2002, 21, 584-591.	5.9	95
114	The RNA Subunit of Telomerase Is Encoded by Marek's Disease Virus. <i>Journal of Virology</i> , 2003, 77, 5985-5996.	3.4	95
115	Antagonistic effects of telomerase on cancer and aging in K5-mTert transgenic mice. <i>Oncogene</i> , 2005, 24, 2256-2270.	5.9	95
116	Genome-wide CTCF distribution in vertebrates defines equivalent sites that aid the identification of disease-associated genes. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 708-714.	8.2	95
117	Requirement of functional telomeres for metaphase chromosome alignments and integrity of meiotic spindles. <i>EMBO Reports</i> , 2002, 3, 230-234.	4.5	94
118	Mice Deficient in Telomerase Activity Develop Hypertension Because of an Excess of Endothelin Production. <i>Circulation</i> , 2006, 114, 309-317.	1.6	93
119	Mammalian telomeres and telomerase: why they matter for cancer and aging. <i>European Journal of Cell Biology</i> , 2003, 82, 441-446.	3.6	91
120	Constitutive Expression of Tert in Thymocytes Leads to Increased Incidence and Dissemination of T-Cell Lymphoma in Lck-Tert Mice. <i>Molecular and Cellular Biology</i> , 2004, 24, 4275-4293.	2.3	91
121	Telomeric RNAs are essential to maintain telomeres. <i>Nature Communications</i> , 2016, 7, 12534.	12.8	91
122	Long-term molecular and cellular stability of human neural stem cell lines. <i>Experimental Cell Research</i> , 2004, 294, 559-570.	2.6	88
123	Therapeutic effects of telomerase in mice with pulmonary fibrosis induced by damage to the lungs and short telomeres. <i>ELife</i> , 2018, 7, .	6.0	88
124	Massive Telomere Loss Is an Early Event of DNA Damage-induced Apoptosis. <i>Journal of Biological Chemistry</i> , 2003, 278, 836-842.	3.4	87
125	Impact of telomerase ablation on organismal viability, aging, and tumorigenesis in mice lacking the DNA repair proteins PARP-1, Ku86, or DNA-PKcs. <i>Journal of Cell Biology</i> , 2004, 167, 627-638.	5.2	87
126	Epigenetic silencing of Oct4 by a complex containing SUV39H1 and Oct4 pseudogene lncRNA. <i>Nature Communications</i> , 2015, 6, 7631.	12.8	87

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127	Cooperation between p53 Mutation and High Telomerase Transgenic Expression in Spontaneous Cancer Development. <i>Molecular and Cellular Biology</i> , 2002, 22, 7291-7301.	2.3	85
128	Genetic inactivation of Cdk7 leads to cell cycle arrest and induces premature aging due to adult stem cell exhaustion. <i>EMBO Journal</i> , 2012, 31, 2498-2510.	7.8	85
129	Identification of TERRA locus unveils a telomere protection role through association to nearly all chromosomes. <i>Nature Communications</i> , 2014, 5, 4723.	12.8	85
130	53BP1 Enforces Distinct Pre- and Post-resection Blocks on Homologous Recombination. <i>Molecular Cell</i> , 2020, 77, 26-38.e7.	9.7	85
131	Telomerase Reverse Transcriptase Synergizes with Calorie Restriction to Increase Health Span and Extend Mouse Longevity. <i>PLoS ONE</i> , 2013, 8, e53760.	2.5	85
132	Spreading of mammalian DNA-damage response factors studied by ChIP-chip at damaged telomeres. <i>EMBO Journal</i> , 2007, 26, 2707-2718.	7.8	84
133	Limiting replication stress during somatic cell reprogramming reduces genomic instability in induced pluripotent stem cells. <i>Nature Communications</i> , 2015, 6, 8036.	12.8	84
134	Normal telomere length and chromosomal end capping in poly(ADP-ribose) polymerase-deficient mice and primary cells despite increased chromosomal instability. <i>Journal of Cell Biology</i> , 2001, 154, 49-60.	5.2	83
135	Breaks at telomeres and TRF2-independent end fusions in Fanconi anemia. <i>Human Molecular Genetics</i> , 2002, 11, 439-444.	2.9	83
136	Beyond average: potential for measurement of short telomeres. <i>Aging</i> , 2012, 4, 379-392.	3.1	79
137	Chromatin regulation and non-coding RNAs at mammalian telomeres. <i>Seminars in Cell and Developmental Biology</i> , 2010, 21, 186-193.	5.0	78
138	Role of Mammalian Rad54 in Telomere Length Maintenance. <i>Molecular and Cellular Biology</i> , 2003, 23, 5572-5580.	2.3	77
139	Short telomeres protect from diet-induced atherosclerosis in apolipoprotein E-null mice. <i>FASEB Journal</i> , 2004, 18, 1-16.	0.5	77
140	TRF1 Controls Telomere Length and Mitotic Fidelity in Epithelial Homeostasis. <i>Molecular and Cellular Biology</i> , 2009, 29, 1608-1625.	2.3	76
141	Localization-Dependent and -Independent Roles of SLX4 in Regulating Telomeres. <i>Cell Reports</i> , 2013, 4, 853-860.	6.4	76
142	Shorter telomere lengths in patients with severe COVID-19 disease. <i>Aging</i> , 2021, 13, 1-15.	3.1	76
143	Different telomere-length dynamics at the inner cell mass versus established embryonic stem (ES) cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 15207-15212.	7.1	72
144	Telomeres and telomerase in Alzheimer's disease: Epiphenomena or a new focus for therapeutic strategy?. <i>Journal of Cellular Biochemistry</i> , 2006, 2, 164-168.		68

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145	Telomere Shortening and Oxidative Stress in Aged Macrophages Results in Impaired STAT5a Phosphorylation. <i>Journal of Immunology</i> , 2009, 183, 2356-2364.	0.8	68
146	A metabolic signature predicts biological age in mice. <i>Aging Cell</i> , 2013, 12, 93-101.	6.7	68
147	Telomerase gene therapy rescues telomere length, bone marrow aplasia, and survival in mice with aplastic anemia. <i>Blood</i> , 2016, 127, 1770-1779.	1.4	68
148	A p53-Dependent Response Limits Epidermal Stem Cell Functionality and Organismal Size in Mice with Short Telomeres. <i>PLoS ONE</i> , 2009, 4, e4934.	2.5	67
149	The telomerase RNA component Terc is required for the tumour-promoting effects of Tert overexpression. <i>EMBO Reports</i> , 2005, 6, 268-274.	4.5	66
150	Therapeutic effect of androgen therapy in a mouse model of aplastic anemia produced by short telomeres. <i>Haematologica</i> , 2015, 100, 1267-1274.	3.5	66
151	SIRT1 Is Necessary for Proficient Telomere Elongation and Genomic Stability of Induced Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2014, 2, 690-706.	4.8	65
152	Identification of Functional Domains and Dominant Negative Mutations in Vertebrate Telomerase RNA Using an in Vivo Reconstitution System. <i>Journal of Biological Chemistry</i> , 2001, 276, 5856-5865.	3.4	64
153	Shortened telomeres join to DNA breaks interfering with their correct repair. <i>Experimental Cell Research</i> , 2003, 287, 282-288.	2.6	64
154	Expression of mTert in primary murine cells links the growth-promoting effects of telomerase to transforming growth factor- β signaling. <i>Oncogene</i> , 2006, 25, 4310-4319.	5.9	64
155	Stem and progenitor cell division kinetics during postnatal mouse mammary gland development. <i>Nature Communications</i> , 2015, 6, 8487.	12.8	64
156	Telomeres and telomerase as therapeutic targets to prevent and treat age-related diseases. <i>F1000Research</i> , 2016, 5, 89.	1.6	64
157	Short Telomere Load, Telomere Length, and Subclinical Atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2016, 67, 2467-2476.	2.8	64
158	Decreased B16F10 melanoma growth and impaired vascularization in telomerase-deficient mice with critically short telomeres. <i>Cancer Research</i> , 2002, 62, 552-9.	0.9	63
159	Role of the TRF2 Telomeric Protein in Cancer and Aging. <i>Cell Cycle</i> , 2006, 5, 718-721.	2.6	60
160	TRF1 is a stem cell marker and is essential for the generation of induced pluripotent stem cells. <i>Nature Communications</i> , 2013, 4, 1946.	12.8	60
161	Conditional TRF1 knockout in the hematopoietic compartment leads to bone marrow failure and recapitulates clinical features of dyskeratosis congenita. <i>Blood</i> , 2012, 120, 2990-3000.	1.4	59
162	Telomerase reverses epidermal hair follicle stem cell defects and loss of long-term survival associated with critically short telomeres. <i>Journal of Cell Biology</i> , 2007, 179, 277-290.	5.2	58

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163	ATR suppresses telomere fragility and recombination but is dispensable for elongation of short telomeres by telomerase. <i>Journal of Cell Biology</i> , 2010, 188, 639-652.	5.2	58
164	Telomere rejuvenation during nuclear reprogramming. <i>Current Opinion in Genetics and Development</i> , 2010, 20, 190-196.	3.3	56
165	Splicing machinery dysregulation drives glioblastoma development/aggressiveness: oncogenic role of SRSF3. <i>Brain</i> , 2020, 143, 3273-3293.	7.6	54
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