

"Telomere & Others" Articles

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Telomere & Inflammation

No.	Title	First Author	Journal/Book/Page	Publication Year	Create Date	PMID	High Relevance
1	Adverse Childhood Experiences Are Associated with Cardiometabolic Risk Indicators and Telomere Length in Low-Income African-American Adolescents	Kliewer W	Int J Behav Med. 2022 Feb;29(1):131-135.	2022	2021/4/6	33821432	
2	Neighborhoods, Racism, Stress, and Preterm Birth Among African American Women: A Review	C G	West J Nurs Res. 2022 Jan;44(1):101-110.	2022	2021/8/30	34455864	
3	High Hemoglobin Glycation Index Is Associated With Telomere Attrition Independent of HbA1c, Mediated by TNFα	Lyu L	J Clin Endocrinol Metab. 2022 Jan 18;107(2):462-473.	2022	2021/9/25	34562085	
4	FLEXiGUT: Rationale for exposomics associations with chronic low-grade gut inflammation	Pero-Gascon R	Environ Int. 2022 Jan;158:106906.	2022	2021/10/4	34607040	
5	Stress and telomere shortening: Insights from cellular mechanisms	Lin J	Ageing Res Rev. 2022 Jan;73:101507.	2022	2021/11/5	34736994	*
6	Is osteoarthritis a mitochondrial disease? What is the evidence	Fernández-Moreno M	Curr Opin Rheumatol. 2022 Jan 1;34(1):46-53.	2022	2021/11/9	34750310	
7	Age-associated changes in cumulus cells and follicular fluid: The local oocyte microenvironment as a determinant of gamete quality	Babayev E	Biol Reprod. 2022 Jan 4:ioab241.	2022	2022/1/4	34982142	
8	Aging reduces liver resiliency by dysregulating Hedgehog signaling	Maeso-Díaz R	Aging Cell. 2022 Jan 4:e13530.	2022	2022/1/5	34984806	
9	Addressing the biological embedding of early life adversities (ELA) among adults through mindfulness: Proposed mechanisms and review of converging evidence	Sun S	Neurosci Biobehav Rev. 2022 Jan 5;134:104526.	2022	2022/1/9	34998833	
10	Associations between Vitamin D, Omega 6:Omega 3 Ratio, and Biomarkers of Aging in Individuals Living with and without Chronic Pain	Wijayabahu AT	Nutrients. 2022 Jan 9;14(2):266.	2022	2022/1/21	35057447	

11	Lymphopenia in primary Sjögren's syndrome is associated with premature aging of naïve CD4+ T cells	Fessler J	Rheumatology (Oxford). 2021 Feb 1;60(2):588-597.	2021	2020/4/1	32227243	
12	Regulation and Effect of Telomerase and Telomeric Length in Stem Cells	Celtikci B	Curr Stem Cell Res Ther. 2021;16(7):809-823.	2021	2020/4/24	32321410	
13	MODY patients exhibit shorter telomere length than non-diabetic subjects	Millan AL	Diabetes Metab Res Rev. 2021 Feb;37(2):e3374.	2021	2020/6/27	32588935	
14	Physical activity, obesity and sedentary behavior in cancer etiology: epidemiologic evidence and biologic mechanisms	Friedenreich CM	Mol Oncol. 2021 Mar;15(3):790-800.	2021	2020/8/3	32741068	
15	Higher adherence to an empirically derived Mediterranean dietary pattern is positively associated with telomere length: the Seguimiento Universidad de Navarra (SUN) project	Ojeda-Rodríguez A	Br J Nutr. 2021 Aug 28;126(4):531-540.	2021	2020/11/4	33143762	
16	The effect of environmental Bisphenol A exposure on breast cancer associated with obesity	Engin AB	Environ Toxicol Pharmacol. 2021 Jan;81:103544.	2021	2020/11/8	33161112	
17	Telomeres in toxicology: Occupational health	Shoeb M	Pharmacol Ther. 2021 Apr;220:107742.	2021	2020/11/11	33176178	
18	Exposure to ambient air pollution in the first 1000 days of life and alterations in the DNA methylome and telomere length in children: A systematic review	Isaevska E	Environ Res. 2021 Feb;193:110504.	2021	2020/11/22	33221306	
19	Fundamental insights into the interaction between telomerase/TERT and intracellular signaling pathways	Ghareghomi S	Biochimie. 2021 Feb;181:12-24.	2021	2020/11/24	33232793	
20	A systemic review into carotid plaque features as predictors of restenosis after carotid endarterectomy	Zhou F	J Vasc Surg. 2021 Jun;73(6):2179-2188.e4.	2021	2020/11/30	33253876	
21	The immunology of rheumatoid arthritis	Weyand CM	Nat Immunol. 2021 Jan;22(1):10-18.	2021	2020/12/1	33257900	
22	Frailty and aging-associated syndromes in lung transplant candidates and recipients	Schaenman JM	Am J Transplant. 2021 Jun;21(6):2018-2024.	2021	2020/12/9	33296550	
23	The role of extracellular DNA in COVID-19: Clues from inflamm-aging	Storci G	Ageing Res Rev. 2021 Mar;66:101234.	2021	2020/12/15	33321254	
24	Oxidative stress, DNA damage, inflammation and gene expression in occupationally exposed university hospital anesthesia providers	Souza KM	Environ Mol Mutagen. 2021 Feb;62(2):155-164.	2021	2020/12/20	33341964	
25	SIRT6 Protects Smooth Muscle Cells From Senescence and Reduces Atherosclerosis	Grootaert MOJ	Circ Res. 2021 Feb 19;128(4):474-491.	2021	2020/12/23	33353368	
26	Ku70 modulation alleviates murine allergic asthma features and restores mitochondrial function in lungs	Rehman R	Mitochondrion. 2021 Mar;57:76-87.	2021	2020/12/28	33359362	

27	Senescence research from historical theory to future clinical application	Kameda M	Geriatr Gerontol Int. 2021 Feb;21(2):125-130.	2021	2020/12/29	33372374	
28	Master athletes have longer telomeres than age-matched non-athletes. A systematic review, meta-analysis and discussion of possible mechanisms	Aguiar SS	Exp Gerontol. 2021 Apr;146:111212.	2021	2021/1/2	33387607	
29	Association between nutrient intake and telomere length in Japanese female university students	Mizuno Y	Biomarkers. 2021 Mar;26(2):138-145.	2021	2021/1/4	33393836	
30	GDF15 as a biomarker of ageing	Liu H	Exp Gerontol. 2021 Apr;146:111228.	2021	2021/1/9	33421539	
31	Telomere length as a function of age at population level parallels human survival curves	Crocco P	Aging (Albany NY). 2021 Jan 11;13(1):204-218.	2021	2021/1/12	33431711	
32	Molecular markers of telomere dysfunction and senescence are common findings in the usual interstitial pneumonia pattern of lung fibrosis	Lee JS	Histopathology. 2021 Jul;79(1):67-76.	2021	2021/1/12	33432658	
33	Molecular Aspects of Senescence and Organismal Ageing-DNA Damage Response, Telomeres, Inflammation and Chromatin	Ślawińska N	Int J Mol Sci. 2021 Jan 8;22(2):590.	2021	2021/1/13	33435578	*
34	Telomere length shortening in hospitalized preterm infants: A pilot study	Belfort MB	PLoS One. 2021 Jan 20;16(1):e0243468.	2021	2021/1/20	33471805	
35	Assessment of the Telomere Length and Its Effect on the Symptomatology of Parkinson's Disease	Levstek T	Antioxidants (Basel). 2021 Jan 19;10(1):137.	2021	2021/1/22	33478114	
36	A Novel Association between YKL-40, a Marker of Structural Lung Disease, and Short Telomere Length in 10-Year-Old Children with Bronchopulmonary Dysplasia	Henckel E	Children (Basel). 2021 Jan 24;8(2):80.	2021	2021/1/27	33498968	*
37	Novel aspects of age-protection by spermidine supplementation are associated with preserved telomere length	Wirth A	Geroscience. 2021 Apr;43(2):673-690.	2021	2021/1/31	33517527	
38	Role of various imbalances centered on alveolar epithelial cell/fibroblast apoptosis imbalance in the pathogenesis of idiopathic pulmonary fibrosis	Wang Q	Chin Med J (Engl). 2021 Jan 14;134(3):261-274.	2021	2021/2/1	33522725	
39	Childhood Trauma in Adult Depressive and Anxiety Disorders: An Integrated Review on Psychological and Biological Mechanisms in the NESDA Cohort	Kuzminskaite E	J Affect Disord. 2021 Mar 15;283:179-191.	2021	2021/2/9	33561798	
40	The Role of Oxidative Stress and Natural Antioxidants in Ovarian Aging	Yang L	Front Pharmacol. 2021 Jan 14;11:617843.	2021	2021/2/11	33569007	
41	Cytokinesis-block micronucleus cytome (CBMN-CYT) assay biomarkers and telomere length analysis in relation to inorganic elements in individuals exposed to welding fumes	Quintana-Sosa M	Ecotoxicol Environ Saf. 2021 Apr 1;212:111935.	2021	2021/2/12	33578128	
42	FK866 Protects Human Dental Pulp Cells against Oxidative Stress-Induced Cellular Senescence	Ok CY	Antioxidants (Basel). 2021 Feb 10;10(2):271.	2021	2021/2/13	33578781	

43	Transposable Element Landscape in Drosophila Populations Selected for Longevity	Fabian DK	Genome Biol Evol. 2021 Apr 5;13(4):evab031.	2021	2021/2/17	33595657	
44	Telomere length and outcome of treatment for pulmonary tuberculosis in a gold mining community	Katoto PDMC	Sci Rep. 2021 Feb 17;11(1):4031.	2021	2021/2/18	33597559	
45	Weight fluctuation and risk of hepatocellular carcinoma: a nationwide population-based 8-million-subject study	Chang Y	Hepatol Int. 2021 Apr;15(2):482-492.	2021	2021/2/18	33598868	
46	Prospective Role of Polyphenolic Compounds in the Treatment of Neurodegenerative Diseases	Akter R	CNS Neurol Disord Drug Targets. 2021;20(5):430-450.	2021	2021/2/19	33602109	
47	Biological Aging and Periodontal Disease: Analysis of NHANES (2001-2002)	Nguyen LM	JDR Clin Trans Res. 2021 Feb 19;2380084421995812.	2021	2021/2/19	33605165	*
48	Current Understanding of Epigenetics Driven Therapeutic Strategies in Colorectal Cancer Management	Deka D	Endocr Metab Immune Disord Drug Targets. 2021;21(10):1882-1894.	2021	2021/2/19	33605866	
49	Telomere length is associated with HIV infection, methamphetamine use, inflammation, and comorbid disease risk	Mehta SR	Drug Alcohol Depend. 2021 Apr 1;221:108639.	2021	2021/2/23	33621803	
50	A Biopsychosocial Framework to Examine Risk for Type 2 Diabetes in Asian Pacific Islander Immigrants	Connor JB	Res Theory Nurs Pract. 2021 Feb 1;35(1):82-96.	2021	2021/2/26	33632924	
51	Selective Cardiomyocyte Oxidative Stress Leads to Bystander Senescence of Cardiac Stromal Cells	Martini H	Int J Mol Sci. 2021 Feb 24;22(5):2245.	2021	2021/3/6	33668142	
52	Interstitial Lung Diseases and Air Pollution: Narrative Review of Literature	Singh N	Pulm Ther. 2021 Jun;7(1):89-100.	2021	2021/3/10	33689161	
53	External environmental agents influence telomere length and telomerase activity by modulating internal cellular processes: Implications in human aging	Fernandes SG	Environ Toxicol Pharmacol. 2021 Jul;85:103633.	2021	2021/3/12	33711516	*
54	SIRT6 Maintains Redox Homeostasis to Promote Porcine Oocyte Maturation	Li Y	Front Cell Dev Biol. 2021 Feb 25;9:625540.	2021	2021/3/15	33718364	
55	Is Adipose Tissue the Fountain of Youth? The Impact of Adipose Stem Cell Aging on Metabolic Homeostasis, Longevity, and Cell-Based Therapies	Sadie-Van Gijzen H	Adv Exp Med Biol. 2021;1286:225-250.	2021	2021/3/16	33725357	
56	Mathematical modelling of ageing acceleration of the human follicle due to oxidative stress and other factors	Portillo AM	Math Med Biol. 2021 Aug 15;38(3):273-291.	2021	2021/3/31	33786603	
57	Melatonin to Rescue the Aged Heart: Antiarrhythmic and Antioxidant Benefits	Segovia-Roldan M	Oxid Med Cell Longev. 2021 Mar 13;2021:8876792.	2021	2021/4/1	33791076	
58	Telomere Length and Oxidative Stress and Its Relation with Metabolic Syndrome Components in the Aging	Gavia-García G	Biology (Basel). 2021 Mar 24;10(4):253.	2021	2021/4/3	33804844	

59	Telomeres in Interstitial Lung Disease	Stock CJW	J Clin Med. 2021 Mar 30;10(7):1384.	2021	2021/4/3	33808277	
60	Regulation of PINX1 expression ameliorates lipopolysaccharide-induced lung injury and alleviates cell senescence during the convalescent phase through affecting the telomerase activity	Li S	Aging (Albany NY). 2021 Mar 26;13(7):10175-10186.	2021	2021/4/5	33819185	
61	SIRT6 in Senescence and Aging-Related Cardiovascular Diseases	Li X	Front Cell Dev Biol. 2021 Mar 29;9:641315.	2021	2021/4/15	33855020	
62	A systematic review of the association between biological markers and environmental stress risk factors for adolescent depression	Zajkowska Z	J Psychiatr Res. 2021 Jun;138:163-175.	2021	2021/4/15	33857787	
63	[Accelerated telomere erosion in schizophrenia: A literature review]	Corfdir C	Encephale. 2021 Aug;47(4):369-375.	2021	2021/4/17	33863507	
64	Is early life adversity a trigger towards inflammaging?	Merz MP	Exp Gerontol. 2021 Jul 15;150:111377.	2021	2021/4/27	33905877	
65	Induced Torpor as a Countermeasure for Low Dose Radiation Exposure in a Zebrafish Model	Cahill T	Cells. 2021 Apr 14;10(4):906.	2021	2021/4/30	33920039	
66	Fruit and Vegetable Intake and Telomere Length in a Random Sample of 5448 U.S. Adults	Tucker LA	Nutrients. 2021 Apr 23;13(5):1415.	2021	2021/4/30	33922436	
67	Short and dysfunctional telomeres protect from allergen-induced airway inflammation	Piñeiro-Hermida S	Aging Cell. 2021 May;20(5):e13352.	2021	2021/5/4	33942458	
68	Persistent NF-κB activation in muscle stem cells induces proliferation-independent telomere shortening	Tichy ED	Cell Rep. 2021 May 11;35(6):109098.	2021	2021/5/12	33979621	
69	Telomere damage promotes vascular smooth muscle cell senescence and immune cell recruitment after vessel injury	Uryga AK	Commun Biol. 2021 May 21;4(1):611.	2021	2021/5/22	34021256	
70	Metformin: Experimental and Clinical Evidence for a Potential Role in Emphysema Treatment	Polverino F	Am J Respir Crit Care Med. 2021 Sep 15;204(6):651-666.	2021	2021/5/25	34033525	
71	Impact of Snoring on Telomere Shortening in Adolescents with Atopic Diseases	Tung KTS	Genes (Basel). 2021 May 18;12(5):766.	2021	2021/6/2	34069972	
72	PARP1 Regulates the Biogenesis and Activity of Telomerase Complex Through Modification of H/ACA-Proteins	Savelyev NV	Front Cell Dev Biol. 2021 May 19;9:621134.	2021	2021/6/7	34095104	
73	Sex, Age, BMI, and C-Reactive Protein Impact the Odds of Developing Hypertension-Findings Based on Data From the Health and Retirement Study (HRS)	Speer H	Am J Hypertens. 2021 Oct 27;34(10):1057-1063.	2021	2021/6/9	34106249	
74	Recombinant Antithrombin Attenuates Acute Respiratory Distress Syndrome in Experimental Endotoxemia	Okamoto H	Am J Pathol. 2021 Sep;191(9):1526-1536.	2021	2021/6/11	34116023	

75	Association Between Body Weight and Telomere Length Is Predominantly Mediated Through C-Reactive Protein	Gao X	J Clin Endocrinol Metab. 2021 Oct 21;106(11):e4634-e4640.	2021	2021/6/21	34153093	
76	Importance of telomere shortening in the pathogenesis of ulcerative colitis: A new treatment from the aspect of telomeres in intestinal epithelial cells	Watanabe S	J Crohns Colitis. 2021 Jun 28;jjab115.	2021	2021/6/28	34180971	*
77	Telomere Shortening and Psychiatric Disorders: A Systematic Review	Pousa PA	Cells. 2021 Jun 7;10(6):1423.	2021	2021/7/2	34200513	
78	Biomedical applications of metal oxide nanoparticles in aging and age-associated diseases	Yadav S	3 Biotech. 2021 Jul;11(7):338.	2021	2021/7/5	34221809	
79	Telomere dysfunction instigates inflammation in inflammatory bowel disease	Chakravarti D	Proc Natl Acad Sci U S A. 2021 Jul 20;118(29):e2024853118.	2021	2021/7/13	34253611	*
80	Telomeres: New players in immune-mediated inflammatory diseases?	Heba AC	J Autoimmun. 2021 Sep;123:102699.	2021	2021/7/15	34265700	*
81	Alterations of cellular aging markers in obsessive- compulsive disorder: mitochondrial DNA copy number and telomere length	Kang JI	J Psychiatry Neurosci. 2021 Jul 22;46(4):E451-E458.	2021	2021/7/22	34291629	
82	Trends in Natural Nutrients for Oxidative Stress and Cell Senescence	Omidifar N	Oxid Med Cell Longev. 2021 Jul 1;2021:7501424.	2021	2021/7/26	34306314	
83	Subclinical atherosclerosis and immune activation in young HIV-infected patients with telomere shortening	Alcaraz MJ	Aging (Albany NY). 2021 Jul 26;13(14):18094-18105.	2021	2021/7/26	34310343	
84	The Role of T Cell Senescence in Neurological Diseases and Its Regulation by Cellular Metabolism	Fessler J	Front Immunol. 2021 Jul 14;12:706434.	2021	2021/8/2	34335619	
85	Systematic Review of Studies on Telomere Length in Patients with Multiple Sclerosis	Bühning J	Aging Dis. 2021 Aug 1;12(5):1272-1286.	2021	2021/8/3	34341708	
86	Psychological Resources and Biomarkers of Health in the Context of Chronic Parenting Stress	Crosswell AD	Int J Behav Med. 2021 Aug 6:1-13.	2021	2021/8/6	34357581	
87	Telomere Length Shortening in Microglia: Implication for Accelerated Senescence and Neurocognitive Deficits in HIV	Hsiao CB	Vaccines (Basel). 2021 Jul 1;9(7):721.	2021	2021/8/6	34358137	
88	Endurance training alleviates MCP-1 and TERRA accumulation at old age in human skeletal muscle	Balan E	Exp Gerontol. 2021 Oct 1;153:111510.	2021	2021/8/9	34371098	
89	Impact of covid-19 on mental health and aging	Sharma P	Saudi J Biol Sci. 2021 Dec;28(12):7046-7053.	2021	2021/8/11	34377058	
90	Telomeres: the role of shortening and senescence in major depressive disorder and its therapeutic implications	Schroder JD	Rev Neurosci. 2021 Aug 13.	2021	2021/8/13	34388328	

91	Natural Products of Pharmacology and Mechanisms in Nucleus Pulposus Cells and Intervertebral Disc Degeneration	Chen HW	Evid Based Complement Alternat Med. 2021 Aug 3;2021:9963677.	2021	2021/8/16	34394398	
92	Long- and Short-Term Exposures to PM(10) Can Shorten Telomere Length in Individuals Affected by Overweight and Obesity	Carugno M	Life (Basel). 2021 Aug 10;11(8):808.	2021	2021/8/27	34440552	
93	Endometriosis and Uterine Fibroids and Their Associations with Elevated C-Reactive Protein and Leukocyte Telomere Length Among a Representative Sample of U.S. Women: Data from the National Health	Gleason JL	J Womens Health (Larchmt). 2021 Aug 26.	2021	2021/8/27	34449264	*
94	Characterization and response to inflammatory stimulation of human endometrial-derived mesenchymal stem/stromal cells	Leñero C	Cytotherapy. 2021 Aug 28:S1465-3249(21)00740-4.	2021	2021/9/1	34465515	
95	The Ageing Brain: Molecular and Cellular Basis of Neurodegeneration	Azam S	Front Cell Dev Biol. 2021 Aug 13;9:683459.	2021	2021/9/6	34485280	
96	Telomeres and Cancer: Resolving the Paradox	Nassour J	Annu Rev Cancer Biol. 2021 Mar;5(1):59-77.	2021	2021/9/17	34532611	
97	Telomere length in patients with obesity submitted to bariatric surgery: A systematic review	Peña E	Eur Eat Disord Rev. 2021 Nov;29(6):842-853.	2021	2021/9/21	34545641	
98	Linking the Triad of Telomere Length, Inflammation, and Gut Dysbiosis in the Manifestation of Depression	Bazaz MR	ACS Chem Neurosci. 2021 Oct 6;12(19):3516-3526.	2021	2021/9/22	34547897	*
99	Biomarkers of cellular aging during a controlled human malaria infection	Miglar A	Sci Rep. 2021 Sep 21;11(1):18733.	2021	2021/9/22	34548530	
100	Comparison of Telomere Length in Young and Master Endurance Runners and Sprinters	Nickels M	J Aging Phys Act. 2021 Sep 25:1-7.	2021	2021/9/26	34564066	
101	T Cell Immunosenescence in Aging, Obesity, and Cardiovascular Disease	Shirakawa K	Cells. 2021 Sep 15;10(9):2435.	2021	2021/9/28	34572084	
102	Telomere Attrition and Clonal Hematopoiesis of Indeterminate Potential in Cardiovascular Disease	Huang YC	Int J Mol Sci. 2021 Sep 13;22(18):9867.	2021	2021/9/28	34576030	
103	Psychobiology of Stress and Adolescent Depression (PSY SAD) Study: Protocol overview for an fMRI-based multi-method investigation	Sichko S	Brain Behav Immun Health. 2021 Nov;17:100334.	2021	2021/10/1	34595481	
104	The effects of 6-month hydrogen-rich water intake on molecular and phenotypic biomarkers of aging in older adults aged 70 years and over: A randomized controlled pilot trial	Zanini D	Exp Gerontol. 2021 Nov;155:111574.	2021	2021/10/3	34601077	
105	The Extent of Inflammatory Cell Infiltrate and Fibrosis in Lungs of Telomere- and Surfactant-Related Familial Pulmonary Fibrosis	van Batenburg AA	Front Med (Lausanne). 2021 Sep 24;8:736485.	2021	2021/10/11	34631753	
106	Telomere Dysfunction as an Initiator of Inflammation: Clues to an Age-Old Mystery	Chakravarti D	J Inflamm Bowel Dis Disord. 2021;6(2):https://www.hilarispublisher.com/open-access/telomere-dysfunction-as-	2021	2021/10/18	34661200	*

107	Impact of Selenium on Biomarkers and Clinical Aspects Related to Ageing. A Review	Alehagen U	Biomolecules. 2021 Oct 7;11(10):1478.	2021	2021/10/23	34680111	
108	Genetic, Environmental and Lifestyle Determinants of Accelerated Telomere Attrition as Contributors to Risk and Severity of Multiple Sclerosis	Hecker M	Biomolecules. 2021 Oct 13;11(10):1510.	2021	2021/10/23	34680143	
109	Telomere length and chronic kidney disease: cause or consequence?	Kronenberg F	Kidney Int. 2021 Nov;100(5):980-983.	2021	2021/10/24	34688387	
110	Role of senescence in the chronic health consequences of COVID-19	Wissler Gerdes EO	Transl Res. 2021 Oct 22:S1931-5244(21)00259-0.	2021	2021/10/25	34695606	
111	Epidemiological and genetic overlap among biological aging clocks: New challenges in biogerontology	Gialluisi A	Ageing Res Rev. 2021 Dec;72:101502.	2021	2021/10/26	34700008	
112	Liver Histology in Short Telomere Syndrome: A Case Report and Review of the Literature	Bai L	Int J Surg Pathol. 2021 Oct 29;10668969211054102.	2021	2021/10/29	34714693	
113	DNA damage and aging on hematopoietic stem cells: Impact of oxidative stress in ApoE(-)/(-) mice	Aires R	Exp Gerontol. 2021 Dec;156:111607.	2021	2021/10/29	34715304	
114	The Effect of the Severity of Obstructive Sleep Apnea on Leukocyte Telomere Length, 25 Hydroxy Vitamin D, and Parathyroid Hormonal Concentrations in Asian Indians	Bhatt SP	Front Neurol. 2021 Oct 26;12:682739.	2021	2021/11/12	34764923	
115	Telomere length and mitochondrial DNA copy number in multidrug-resistant tuberculosis	Freimane L	Tuberculosis (Edinb). 2021 Dec;131:102144.	2021	2021/11/15	34781086	
116	Telomere shortening in patients on long-term hemodialysis	Wang Y	Chronic Dis Transl Med. 2021 Aug 25;7(4):266-275.	2021	2021/11/17	34786545	
117	Prospective Associations of Early Pregnancy Metal Mixtures with Mitochondria DNA Copy Number and Telomere Length in Maternal and Cord Blood	Smith AR	Environ Health Perspect. 2021 Nov;129(11):117007.	2021	2021/11/19	34797165	
118	The leukocyte telomere length, single nucleotide polymorphisms near TERC gene and risk of COPD	Tacheva T	PeerJ. 2021 Nov 11;9:e12190.	2021	2021/11/26	34824901	*
119	Gut-Derived Endotoxin and Telomere Length Attrition in Adults with and without Type 2 Diabetes	Al-Daghri NM	Biomolecules. 2021 Nov 14;11(11):1693.	2021	2021/11/27	34827691	
120	Obstructive Sleep Apnea as an Acceleration Trigger of Cellular Senescence Processes through Telomere Shortening	Turkiewicz S	Int J Mol Sci. 2021 Nov 21;22(22):12536.	2021	2021/11/27	34830418	*
121	Pulmonary Alveolar Stem Cell Senescence, Apoptosis, and Differentiation by p53-Dependent and -Independent Mechanisms in Telomerase-Deficient Mice	Zhang K	Cells. 2021 Oct 26;10(11):2892.	2021	2021/11/27	34831112	
122	Telomere Dysfunction in Idiopathic Pulmonary Fibrosis	Zhang K	Front Med (Lausanne). 2021 Nov 11;8:739810.	2021	2021/12/3	34859008	

123	Cancer Evo-Dev: A Theory of Inflammation-Induced Oncogenesis	Liu W	Front Immunol. 2021 Nov 22;12:768098.	2021	2021/12/9	34880864	
124	Immune and Epigenetic Pathways Linking Childhood Adversity and Health Across the Lifespan	Chen MA	Front Psychol. 2021 Nov 26;12:788351.	2021	2021/12/13	34899540	
125	Metformin for Cardiovascular Protection, Inflammatory Bowel Disease, Osteoporosis, Periodontitis, Polycystic Ovarian Syndrome, Neurodegeneration, Cancer, Inflammation and Senescence: What Is	Ala M	ACS Pharmacol Transl Sci. 2021 Nov 1;4(6):1747-1770.	2021	2021/12/20	34927008	
126	Is Evidence Supporting the Subtelomere-Telomere Theory of Aging?	Libertini G	Biochemistry (Mosc). 2021 Dec;86(12):1526-1539.	2021	2021/12/23	34937532	
127	Sex-Specific Association of Serum Anti-Oxidative Capacity and Leukocyte Telomere Length	Hassler E	Antioxidants (Basel). 2021 Nov 28;10(12):1908.	2021	2021/12/24	34943011	
128	Molecular Basis of Accelerated Aging with Immune Dysfunction-Mediated Inflammation (Inflamm-Aging) in Patients with Systemic Sclerosis	Shen CY	Cells. 2021 Dec 2;10(12):3402.	2021	2021/12/24	34943909	
129	Association of dietary inflammatory index and leukocyte telomere length with mild cognitive impairment in Chinese older adults	Liu Q	Nutr Neurosci. 2021 Dec 26:1-10.	2021	2021/12/27	34957928	*
130	The Association between 25-Hydroxyvitamin D Concentration and Telomere Length in the Very-Old: The Newcastle 85+ Study	Hakeem S	Nutrients. 2021 Dec 1;13(12):4341.	2021	2021/12/28	34959893	
131	Uraemia-induced immune senescence and clinical outcomes in chronic kidney disease patients	Crépin T	Nephrol Dial Transplant. 2020 Apr 1;35(4):624-632.	2020	2018/9/12	30202981	
132	Micronutrient status and leukocyte telomere length in school-age Colombian children	Flannagan KS	Eur J Nutr. 2020 Apr;59(3):1055-1065.	2020	2019/4/22	31006054	
133	Maternal stress and social support prospectively predict infant inflammation	Nelson BW	Brain Behav Immun. 2020 May;86:14-21.	2020	2019/5/12	31077776	
134	Subclinical inflammation, telomere shortening, homocysteine, vitamin B6, and mortality: the Ludwigshafen Risk and Cardiovascular Health Study	Pusceddu I	Eur J Nutr. 2020 Jun;59(4):1399-1411.	2020	2019/5/27	31129702	*
135	The Role of Senescence in the Development of Nonalcoholic Fatty Liver Disease and Progression to Nonalcoholic Steatohepatitis	Papatheodoridi AM	Hepatology. 2020 Jan;71(1):363-374.	2020	2019/6/24	31230380	
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137	Herbal Medicine for Slowing Aging and Aging-associated Conditions: Efficacy, Mechanisms and Safety	Phu HT	Curr Vasc Pharmacol. 2020;18(4):369-393.	2020	2019/8/17	31418664	
138	Telomerase Biology Associations Offer Keys to Cancer and Aging Therapeutics	Smith-Sonneborn J	Curr Aging Sci. 2020;13(1):11-21.	2020	2019/9/24	31544708	

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140	NLRP3 inflammasome suppression improves longevity and prevents cardiac aging in male mice	Marín-Aguilar F	Aging Cell. 2020 Jan;19(1):e13050.	2020	2019/10/19	31625260	
141	A suppressive oligodeoxynucleotide expressing TTAGGG motifs modulates cellular energetics through the mTOR signaling pathway	Yazar V	Int Immunol. 2020 Jan 9;32(1):39-48.	2020	2019/10/22	31633763	
142	Impact of Nutrition on Telomere Health: Systematic Review of Observational Cohort Studies and Randomized Clinical Trials	Galiè S	Adv Nutr. 2020 May 1;11(3):576-601.	2020	2019/11/6	31688893	
143	Role of telomerase in the tumour microenvironment	Liu N	Clin Exp Pharmacol Physiol. 2020 Mar;47(3):357-364.	2020	2019/12/5	31799699	
144	Shorter Leukocyte Telomere Lengths in Healthy Relatives of Patients with Coronary Heart Disease	Opstad TB	Rejuvenation Res. 2020 Aug;23(4):324-332.	2020	2019/12/7	31805818	
145	Candesartan Neuroprotection in Rat Primary Neurons Negatively Correlates with Aging and Senescence: a Transcriptomic Analysis	Elkahloun AG	Mol Neurobiol. 2020 Mar;57(3):1656-1673.	2020	2019/12/8	31811565	
146	Testing for paternal influences on offspring telomere length in a human cohort in the Philippines	Eisenberg DTA	Am J Phys Anthropol. 2020 Mar;171(3):520-528.	2020	2019/12/18	31845317	
147	Relationship of Anxiety, Inflammation, and Telomere Length in Postpartum Women: A Pilot Study	Groer M	Biol Res Nurs. 2020 Apr;22(2):256-262.	2020	2019/12/21	31858822	*
148	Senescence and Inflammatory Markers for Predicting Clinical Progression in Parkinson's Disease: The ICICLE-PD Study	Martin-Ruiz C	J Parkinsons Dis. 2020;10(1):193-206.	2020	2019/12/24	31868677	
149	Dietary patterns and telomere length in community-dwelling Chinese older men and women: a cross-sectional analysis	Chan R	Eur J Nutr. 2020 Oct;59(7):3303-3311.	2020	2020/1/4	31897598	
150	Visfatin Induces Senescence of Human Dental Pulp Cells	Ok CY	Cells. 2020 Jan 12;9(1):193.	2020	2020/1/17	31940881	
151	Inactivity and Skeletal Muscle Metabolism: A Vicious Cycle in Old Age	Rezuş E	Int J Mol Sci. 2020 Jan 16;21(2):592.	2020	2020/1/23	31963330	
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153	Immunometabolism in the development of rheumatoid arthritis	Weyand CM	Immunol Rev. 2020 Mar;294(1):177-187.	2020	2020/1/28	31984519	
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158	Faster and Healthier: Relationship between Telomere and Performance in Master Athletes	Sousa CV	Int J Sports Med. 2020 May;41(5):339-344.	2020	2020/2/12	32045948	*
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160	The Effects of a Remote-based Weight Loss Program on Adipocytokines, Metabolic Markers, and Telomere Length in Breast Cancer Survivors: the POWER-Remote Trial	Santa-Maria CA	Clin Cancer Res. 2020 Jun 15;26(12):3024-3034.	2020	2020/2/20	32071117	
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163	Potential Role of Cellular Senescence in Asthma	Wang ZN	Front Cell Dev Biol. 2020 Feb 11;8:59.	2020	2020/3/3	32117985	
164	Hematopoietic cellular aging is not accelerated during the first 2 years of life in children born preterm	Henckel E	Pediatr Res. 2020 Dec;88(6):903-909.	2020	2020/3/15	32170191	*
165	Walking and biologic ageing: Evidence based on NHANES telomere data	Tucker LA	J Sports Sci. 2020 May;38(9):1026-1035.	2020	2020/3/17	32175820	
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169	Relationship between proinflammatory cytokines (IL-1beta, IL-18) and leukocyte telomere length in mild cognitive impairment and Alzheimer's disease	Scarabino D	Exp Gerontol. 2020 Jul 15;136:110945.	2020	2020/4/15	32289486	
170	Association Between Leukocyte Telomere Length and Serum Concentrations of PCBs and Organochlorine Pesticides	Karimi B	Arch Environ Contam Toxicol. 2020 Jul;79(1):122-130.	2020	2020/4/18	32300848	

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172	Ultra-processed food consumption and the risk of short telomeres in an elderly population of the Seguimiento Universidad de Navarra (SUN) Project	Alonso-Pedrero L	Am J Clin Nutr. 2020 Jun 1;111(6):1259-1266.	2020	2020/4/25	32330232	
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206	Telomerase Activation to Reverse Immunosenescence in Elderly Patients With Acute Coronary Syndrome: Protocol for a Randomized Pilot Trial	Maier R	JMIR Res Protoc. 2020 Sep 23;9(9):e19456.	2020	2020/9/23	32965237	
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240	Mitochondrial Dysfunction and Aging: Insights from the Analysis of Extracellular Vesicles	Picca A	Int J Mol Sci. 2019 Feb 13;20(4):805.	2019	2019/2/21	30781825	
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341	In vitro proinflammatory gene expression predicts in vivo telomere shortening: A preliminary study	Lin J	Psychoneuroendocrinology. 2018 Oct;96:179-187.	2018	2018/7/7	29980010	*
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371	EGCG, a green tea catechin, attenuates the progression of heart failure induced by the heart/muscle-specific deletion of MnSOD in mice	Oyama JI	J Cardiol. 2017 Feb;69(2):417-427.	2017	2016/7/5	27374189	
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374	Association between the dietary inflammatory index (DII) and telomere length and C-reactive protein from the National Health and Nutrition Examination Survey-1999-2002	Shivappa N	Mol Nutr Food Res. 2017 Apr;61(4):10.1002/mnfr.201600630.	2017	2016/11/24	27878970	*
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376	Ionizing radiation sensitivity of the ocular lens and its dose rate dependence	Hamada N	Int J Radiat Biol. 2017 Oct;93(10):1024-1034.	2017	2016/12/1	27899034	
377	Senescence in COPD and Its Comorbidities	Barnes PJ	Annu Rev Physiol. 2017 Feb 10;79:517-539.	2017	2016/12/14	27959617	
378	Chronic Inflammation: Accelerator of Biological Aging	Fougère B	J Gerontol A Biol Sci Med Sci. 2017 Sep 1;72(9):1218-1225.	2017	2016/12/23	28003373	

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381	Clinical and biological markers of premature aging after autologous SCT in childhood cancer	Vatanen A	Bone Marrow Transplant. 2017 Apr;52(4):600-605.	2017	2017/1/10	28067869	
382	Corticosterone, inflammation, immune status and telomere length in frigatebird nestlings facing a severe herpesvirus infection	Sebastiano M	Conserv Physiol. 2017 Jan 4;5(1):cow073.	2017	2017/1/11	28070333	
383	Obstructive sleep apnea risk and leukocyte telomere length in African Americans from the MH-GRID study	Riestra P	Sleep Breath. 2017 Sep;21(3):751-757.	2017	2017/1/14	28083855	
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390	Telomere Length, Oxidative Stress, Inflammation and BDNF Levels in Siblings of Patients with Bipolar Disorder: Implications for Accelerated Cellular Aging	Vasconcelos-Moreno MP	Int J Neuropsychopharmacol. 2017 Jun 1;20(6):445-454.	2017	2017/3/25	28339618	
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No.	Title	First Author	Journal/Book/Page	Publication Year	Create Date	PMID	High Relevance
1	Inherited human Apollo deficiency causes severe bone marrow failure and developmental defects	Kermasson L	Blood. 2022 Jan 10;blood.2021010791.	2022	2022/1/10	35007328	
2	Hypophosphorylated pRb knock-in mice exhibit hallmarks of aging and vitamin C-preventable diabetes	Jiang Z	EMBO J. 2022 Jan 13:e106825.	2022	2022/1/13	35023164	
3	Premature Aging Among Trauma Survivors-The Longitudinal Implications of Sleep Disruptions on Telomere Length and Cognitive Performance	Aloni R	J Gerontol B Psychol Sci Soc Sci. 2021 Jan 18;76(2):262-272.	2021	2019/6/4	31155651	
4	Lymphopenia in primary Sjögren's syndrome is associated with premature aging of naïve CD4+ T cells	Fessler J	Rheumatology (Oxford). 2021 Feb 1;60(2):588-597.	2021	2020/4/1	32227243	
5	Chronic Pain and Premature Aging - The Moderating Role of Physical Exercise	Lahav Y	J Pain. 2021 Feb;22(2):209-218.	2021	2020/8/18	32798763	*
6	Identification of a unique epigenetic profile in women with diminished ovarian reserve	Olsen KW	Fertil Steril. 2021 Mar;115(3):732-741.	2021	2020/12/4	33272626	
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8	The Distinct Function of p21(Waf1/Cip1) With p16(Ink4a) in Modulating Aging Phenotypes of Werner Syndrome by Affecting Tissue Homeostasis	Zhang Y	Front Genet. 2021 Feb 5;12:597566.	2021	2021/2/26	33633779	*
9	HIV-1 Latency and Viral Reservoirs: Existing Reversal Approaches and Potential Technologies, Targets, and Pathways Involved in HIV Latency Studies	Khanal S	Cells. 2021 Feb 23;10(2):475.	2021	2021/3/6	33672138	
10	Human RecQ Helicases in DNA Double-Strand Break Repair	Lu H	Front Cell Dev Biol. 2021 Feb 25;9:640755.	2021	2021/3/15	33718381	
11	Fluorescence microscopy methods for examining telomeres during cell aging	Adam N	Ageing Res Rev. 2021 Jul;68:101320.	2021	2021/3/21	33744488	*
12	Skin Pigmentation Abnormalities and Their Possible Relationship with Skin Aging	Lee AY	Int J Mol Sci. 2021 Apr 2;22(7):3727.	2021	2021/4/30	33918445	
13	Cockayne Syndrome Group B (CSB): The Regulatory Framework Governing the Multifunctional Protein and Its Plausible Role in Cancer	Spyropoulou Z	Cells. 2021 Apr 10;10(4):866.	2021	2021/4/30	33920220	
14	Progerin impairs 3D genome organization and induces fragile telomeres by limiting the dNTP pools	Kychygina A	Sci Rep. 2021 Jun 23;11(1):13195.	2021	2021/6/24	34162976	*

15	Subclinical atherosclerosis and immune activation in young HIV-infected patients with telomere shortening	Alcaraz MJ	Aging (Albany NY). 2021 Jul 26;13(14):18094-18105.	2021	2021/7/26	34310343	*
16	Somatic reversion impacts myelodysplastic syndromes and acute myeloid leukemia evolution in the short telomere disorders	Schratz KE	J Clin Invest. 2021 Sep 15;131(18):e147598.	2021	2021/8/3	34343137	*
17	Genomic instability in the naturally and prematurely aged myocardium	De Majo F	Proc Natl Acad Sci U S A. 2021 Sep 7;118(36):e2022974118.	2021	2021/9/1	34465617	
18	Dyskerin: an essential pseudouridine synthase with multifaceted roles in ribosome biogenesis, splicing, and telomere maintenance	Garus A	RNA. 2021 Dec;27(12):1441-1458.	2021	2021/9/24	34556550	
19	Loss of telomere silencing is accompanied by dysfunction of Polo kinase and centrosomes during Drosophila oogenesis and early development	Morgunova V	PLoS One. 2021 Oct 8;16(10):e0258156.	2021	2021/10/8	34624021	*
20	Role of mismatch repair in aging	Wen J	Int J Biol Sci. 2021 Sep 21;17(14):3923-3935.	2021	2021/10/21	34671209	*
21	Gut-Derived Endotoxin and Telomere Length Attrition in Adults with and without Type 2 Diabetes	Al-Daghri NM	Biomolecules. 2021 Nov 14;11(11):1693.	2021	2021/11/27	34827691	
22	Telomere Length Inheritance and Shortening in Trisomy 21	Bhattacharya M	Fetal Pediatr Pathol. 2020 Oct;39(5):390-400.	2020	2019/9/14	31514556	*
23	Evidence for Accelerated Biological Aging in Young Adults with Prader-Willi Syndrome	Donze SH	J Clin Endocrinol Metab. 2020 Jun 1;105(6):2053-9.	2020	2019/11/6	31689713	*
24	Accelerated hippocampal biological aging in bipolar disorder	Fries GR	Bipolar Disord. 2020 Aug;22(5):498-507.	2020	2019/11/21	31746071	*
25	Connecting cognition, cardiology, and chromosomes: Cognitive reappraisal impacts the relationship between heart rate variability and telomere length in CD8(+)CD28(-) cells	Shahane AD	Psychoneuroendocrinology. 2020 Feb;112:104517.	2020	2019/12/1	31785500	
26	Leukocyte telomere length in patients with myotonic dystrophy type I: a pilot study	Wang Y	Ann Clin Transl Neurol. 2020 Jan;7(1):126-131.	2020	2019/12/7	31808320	
27	Shortened telomere length is associated with unfair treatment attributed to race in African Americans living in Tallahassee, Florida	Rej PH	Am J Hum Biol. 2020 May;32(3):e23375.	2020	2019/12/24	31867825	*
28	NHP2 deficiency impairs rRNA biogenesis and causes pulmonary fibrosis and Høyeraal-Hreidarsson syndrome	Benyelles M	Hum Mol Genet. 2020 Apr 15;29(6):907-922.	2020	2020/1/28	31985013	*
29	celsr1a is essential for tissue homeostasis and onset of aging phenotypes in the zebrafish	Li C	Elife. 2020 Jan 27;9:e50523.	2020	2020/1/28	31985398	
30	Accelerated aging in bipolar disorder: A comprehensive review of molecular findings and their clinical implications	Fries GR	Neurosci Biobehav Rev. 2020 May;112:107-116.	2020	2020/2/5	32018037	*

31	Structural Features of Nucleoprotein CST/Shelterin Complex Involved in the Telomere Maintenance and Its Association with Disease Mutations	Amir M	Cells. 2020 Feb 4;9(2):359.	2020	2020/2/9	32033110	*
32	Slowly Repaired Bulky DNA Damages Modulate Cellular Redox Environment Leading to Premature Senescence	Zhang Y	Oxid Med Cell Longev. 2020 Feb 10;2020:5367102.	2020	2020/2/28	32104534	
33	Participant-Centered Strategies for Overcoming Barriers to Biospecimen Collection among Spanish-Speaking Latina Breast Cancer Survivors	Samayoa C	Cancer Epidemiol Biomarkers Prev. 2020 Mar;29(3):606-615.	2020	2020/3/6	32132128	
34	Cancer and myeloid clonal evolution in the short telomere syndromes	Schratz KE	Curr Opin Genet Dev. 2020 Feb;60:112-118.	2020	2020/4/11	32276199	*
35	Nuclear envelope dysfunction and its contribution to the aging process	Martins F	Aging Cell. 2020 May;19(5):e13143.	2020	2020/4/16	32291910	*
36	Dichotomy between the transcriptomic landscape of naturally versus accelerated aged murine hearts	De Majo F	Sci Rep. 2020 May 18;10(1):8136.	2020	2020/5/20	32424227	
37	Biological Aging and Immune Senescence in Children with Perinatally Acquired HIV	Dalzini A	J Immunol Res. 2020 May 16;2020:8041616.	2020	2020/6/9	32509884	*
38	Genomics of aging: Genes, adducts, and telomeres	Wysocki K	J Am Assoc Nurse Pract. 2020 Jun;32(6):419-422.	2020	2020/6/9	32511191	*
39	Environmental Pollution, Oxidative Stress and Thioresinac Ozonide: Effects of Glyphosate, Fluoride and Electromagnetic Fields on Mitochondrial Dysfunction in Carcinogenesis, Atherogenesis and Aging	McCully KS	Ann Clin Lab Sci. 2020 May;50(3):408-411.	2020	2020/6/26	32581036	*
40	Analysis of Epigenetic Age Predictors in Pain-Related Conditions	Kwiatkowska KM	Front Public Health. 2020 Jun 9;8:172.	2020	2020/6/26	32582603	*
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44	Salivary Gland Stem Cells Age Prematurely in Primary Sjögren's Syndrome	Pringle S	Arthritis Rheumatol. 2019 Jan;71(1):133-142.	2019	2018/7/10	29984480	*
45	Depression caused by long-term stress regulates premature aging and is possibly associated with disruption of circadian rhythms in mice	Xie X	Physiol Behav. 2019 Feb 1;199:100-110.	2019	2018/11/16	30439372	
46	Telomere shortening in alcohol dependence: Roles of alcohol and acetaldehyde	Yamaki N	J Psychiatr Res. 2019 Feb;109:27-32.	2019	2018/11/23	30466069	*

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48	Years of caregiving for chronically ill and disabled family members is not associated with telomere length in the Philippines	Rej PH	Psychoneuroendocrinology. 2019 May;103:188-194.	2019	2019/2/4	30711895	*
49	Telomere Dysfunction Induces Sirtuin Repression that Drives Telomere-Dependent Disease	Amano H	Cell Metab. 2019 Jun 4;29(6):1274-1290.e9.	2019	2019/4/2	30930169	*
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51	Are There Common Mechanisms Between the Hutchinson-Gilford Progeria Syndrome and Natural Aging?	Ashapkin VV	Front Genet. 2019 May 15;10:455.	2019	2019/6/4	31156709	*
52	Characterization of senescence biomarkers in rheumatoid arthritis: relevance to disease progression	Petersen LE	Clin Rheumatol. 2019 Oct;38(10):2909-2915.	2019	2019/6/13	31187337	*
53	Disruption of Telomere Integrity and DNA Repair Machineries by KML001 Induces T Cell Senescence, Apoptosis, and Cellular Dysfunctions	Cao D	Front Immunol. 2019 May 22;10:1152.	2019	2019/6/14	31191531	*
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55	Telomere length regulators are activated in young men after pediatric kidney transplantation compared to healthy controls and survivors of childhood cancer-A cross-sectional study	Endén K	Pediatr Transplant. 2019 Nov;23(7):e13550.	2019	2019/7/13	31297925	*
56	Exposure to jet lag aggravates depression-like behaviors and age-related phenotypes in rats subject to chronic corticosterone	Shen Q	Acta Biochim Biophys Sin (Shanghai). 2019 Aug 5;51(8):834-844.	2019	2019/7/18	31314053	*
57	Rag1 immunodeficiency-induced early aging and senescence in zebrafish are dependent on chronic inflammation and oxidative stress	Novoa B	Aging Cell. 2019 Oct;18(5):e13020.	2019	2019/7/27	31348603	
58	Clinical associations with telomere length in chronic spinal cord injury	Monroe DM	Spinal Cord. 2019 Dec;57(12):1084-1093.	2019	2019/8/7	31383950	*
59	ZCCHC8, the nuclear exosome targeting component, is mutated in familial pulmonary fibrosis and is required for telomerase RNA maturation	Gable DL	Genes Dev. 2019 Oct 1;33(19-20):1381-1396.	2019	2019/9/7	31488579	*
60	Systemic Inflammation and the Increased Risk of Inflamm-Aging and Age-Associated Diseases in People Living With HIV on Long Term Suppressive Antiretroviral Therapy	Babu H	Front Immunol. 2019 Aug 27;10:1965.	2019	2019/9/12	31507593	*
61	Telomere dysfunction impairs epidermal stem cell specification and differentiation by disrupting BMP/pSmad/P63 signaling	Liu N	PLoS Genet. 2019 Sep 13;15(9):e1008368.	2019	2019/9/14	31518356	*
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64	Inhibition of DNA damage response at telomeres improves the detrimental phenotypes of Hutchinson-Gilford Progeria Syndrome	Aguado J	Nat Commun. 2019 Nov 18;10(1):4990.	2019	2019/11/20	31740672	*
65	Hutchinson-Gilford Progeria Syndrome: A Premature Aging Disease	Ahmed MS	Mol Neurobiol. 2018 May;55(5):4417-4427.	2018	2017/6/30	28660486	*
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68	Chronic corticosterone-induced depression mediates premature aging in rats	Xie X	J Affect Disord. 2018 Mar 15;229:254-261.	2018	2018/1/13	29329057	
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70	Cocaine use may induce telomere shortening in individuals with HIV infection	Lai S	Prog Neuropsychopharmacol Biol Psychiatry. 2018 Jun 8;84(Pt A):11-17.	2018	2018/2/8	29410247	*
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165	Telomere shortening in human diseases	Kong CM	FEBS J. 2013 Jul;280(14):3180-93.	2013	2013/5/8	23647631	*
166	Dyskeratosis congenita mutations in dyskerin SUMOylation consensus sites lead to impaired telomerase RNA accumulation and telomere defects	Brault ME	Hum Mol Genet. 2013 Sep 1;22(17):3498-507.	2013	2013/5/11	23660516	*
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169	Premature aging in telomerase-deficient zebrafish	Anchelin M	Dis Model Mech. 2013 Sep;6(5):1101-12.	2013	2013/6/8	23744274	*
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No.	Title	First Author	Journal/Book/Page	Publication Year	Create Date	PMID	High Relevance
1	Cancer-associated POT1 mutations lead to telomere elongation without induction of a DNA damage response	Kim WT	EMBO J. 2021 Jun 15;40(12):e107346.	2021	2021/5/2	33934394	

2	Molecular Pathogenesis of Hodgkin Lymphoma: Past, Present, Future	Bienz M	Int J Mol Sci. 2020 Sep 10;21(18):6623.	2020	2020/9/15	32927751	
3	Assessing the Relationship Between Leukocyte Telomere Length and Cancer Risk/Mortality in UK Biobank and TCGA Datasets With the Genetic Risk Score and Mendelian Randomization Approaches	Gao Y	Front Genet. 2020 Oct 23;11:583106.	2020	2020/11/16	33193711	
4	Genetic overlap between autoimmune diseases and non-Hodgkin lymphoma subtypes	Din L	Genet Epidemiol. 2019 Oct;43(7):844-863.	2019	2019/8/14	31407831	
5	Severe therapy-related toxicities after treatment for Hodgkin lymphoma due to a pathogenic TERT variant and shortened telomeres	Agrusa JE	Pediatr Blood Cancer. 2019 Aug;66(8):e27779.	2019	2019/5/4	31050187	
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9	Germline mutations in Protection of Telomeres 1 in two families with Hodgkin lymphoma	McMaster ML	Br J Haematol. 2018 May;181(3):372-377.	2018	2018/4/26	29693246	
10	LMP1 and Dynamic Progressive Telomere Dysfunction: A Major Culprit in EBV-Associated Hodgkin's Lymphoma	Knecht H	Viruses. 2017 Jun 27;9(7):164.	2017	2017/6/28	28654015	
11	Disruption of direct 3D telomere-TRF2 interaction through two molecularly disparate mechanisms is a hallmark of primary Hodgkin and Reed-Sternberg cells	Knecht H	Lab Invest. 2017 Jul;97(7):772-781.	2017	2017/4/25	28436953	
12	Current Trends and Alternative Scenarios in EBV Research	Minarovits J	Methods Mol Biol. 2017;1532:1-32.	2017	2016/11/23	27873264	
13	Serum polychlorinated biphenyls and leukocyte telomere length in a highly-exposed population: The Anniston Community Health Survey	Callahan CL	Environ Int. 2017 Nov;108:212-220.	2017	2017/9/9	28886414	
14	The Use of 3D Telomere FISH for the Characterization of the Nuclear Architecture in EBV-Positive Hodgkin's Lymphoma	Knecht H	Methods Mol Biol. 2017;1532:93-104.	2017	2016/11/23	27873269	
15	A systems medicine approach for finding target proteins affecting treatment outcomes in patients with non-Hodgkin lymphoma	Ajorloo F	PLoS One. 2017 Sep 11;12(9):e0183969.	2017	2017/9/12	28892521	
16	Genetically predicted longer telomere length is associated with increased risk of B-cell lymphoma subtypes	Machiela MJ	Hum Mol Genet. 2016 Apr 15;25(8):1663-76.	2016	2016/3/25	27008888	
17	Anti-tumoral effect of arsenic compound, sodium metaarsenite (KML001), in non-Hodgkin's lymphoma: an in vitro and in vivo study	Yoon JS	Invest New Drugs. 2016 Feb;34(1):1-14.	2016	2015/11/20	26581399	

18	Mechanisms and clinical applications of chromosomal instability in lymphoid malignancy	Krem MM	Br J Haematol. 2015 Oct;171(1):13-28.	2015	2015/5/29	26018193	
19	Telomere shortening: a new prognostic factor for cardiovascular disease post-radiation exposure	M'kacher R	Radiat Prot Dosimetry. 2015 Apr;164(1-2):134-7.	2015	2014/10/3	25274533	
20	LMP1 mediates multinuclearity through downregulation of shelterin proteins and formation of telomeric aggregates	Lajoie V	Blood. 2015 Mar 26;125(13):2101-10.	2015	2015/1/9	25568351	
21	Teenage acne and cancer risk in US women: A prospective cohort study	Zhang M	Cancer. 2015 May 15;121(10):1681-7.	2015	2015/1/10	25572604	
22	Reconstruction of canine diffuse large B-cell lymphoma gene regulatory network: detection of functional modules and hub genes	Zamani-Ahmadm Mahmudi M	J Comp Pathol. 2015 Feb-Apr;152(2-3):119-30.	2015	2015/2/14	25678421	
23	The Impact of Age and Sex in DLBCL: Systems Biology Analyses Identify Distinct Molecular Changes and Signaling Networks	Beheshti A	Cancer Inform. 2015 Dec 10;14:141-8.	2015	2015/12/23	26691437	
24	Association between leukocyte telomere length and glioma risk: a case-control study	Wang S	Neuro Oncol. 2014 Apr;16(4):505-12.	2014	2013/12/25	24366909	
25	Telomeric 1p36.3 deletion and Ki-67 expression in B-Non-Hodgkin's Lymphoma patients associated with chronic hepatitis C virus infection	Mosad E	J Viral Hepat. 2014 Dec;21(12):950-5.	2014	2014/8/28	25158783	
26	Prospective coronary heart disease screening in asymptomatic Hodgkin lymphoma patients using coronary computed tomography angiography: results and risk factor analysis	Girinsky T	Int J Radiat Oncol Biol Phys. 2014 May 1;89(1):59-66.	2014	2014/3/12	24613809	
27	Therapy-related myeloid neoplasms after autologous hematopoietic stem cell transplantation in lymphoma patients	Akhtari M	Cancer Biol Ther. 2013 Dec;14(12):1077-88.	2013	2013/9/13	24025414	
28	Genomic Instability: The Driving Force behind Refractory/Relapsing Hodgkin's Lymphoma	Knecht H	Cancers (Basel). 2013 Jun 5;5(2):714-25.	2013	2013/11/13	24216998	
29	Three-dimensional Telomere Signatures of Hodgkin- and Reed-Sternberg Cells at Diagnosis Identify Patients with Poor Response to Conventional Chemotherapy	Knecht H	Transl Oncol. 2012 Aug;5(4):269-77.	2012	2012/9/1	22937179	
30	Newly discovered quick, non-invasive screening method of bone marrow malignancies including various leukemias, Hodgkin's lymphoma, non-Hodgkin's lymphoma, & multiple myeloma by abnormality of small	Omura Y	Acupunct Electrother Res. 2012;37(1):13-47.	2012	2012/8/3	22852211	
31	The association of telomere length and cancer: a meta-analysis	Wentzensen IM	Cancer Epidemiol Biomarkers Prev. 2011 Jun;20(6):1238-50.	2011	2011/4/7	21467229	
32	Myeloablative doses of yttrium-90-ibritumomab tiuxetan and the risk of secondary myelodysplasia/acute myelogenous leukemia	Guidetti A	Cancer. 2011 Nov 15;117(22):5074-84.	2011	2011/5/14	21567384	
33	3D structural and functional characterization of the transition from Hodgkin to Reed-Sternberg cells	Knecht H	Ann Anat. 2010 Sep 20;192(5):302-8.	2010	2010/9/3	20810259	

34	3D Telomere FISH defines LMP1-expressing Reed-Sternberg cells as end-stage cells with telomere-poor 'ghost' nuclei and very short telomeres	Knecht H	Lab Invest. 2010 Apr;90(4):611-9.	2010	2010/2/10	20142802	
35	3D nuclear organization of telomeres in the Hodgkin cell lines U-HO1 and U-HO1-PTPN1: PTPN1 expression prevents the formation of very short telomeres including "t-stumps"	Knecht H	BMC Cell Biol. 2010 Dec 14;11:99.	2010	2010/12/15	21144060	
36	Dynamic chromosomal rearrangements in Hodgkin's lymphoma are due to ongoing three-dimensional nuclear remodeling and breakage-bridge-fusion cycles	Guffei A	Haematologica. 2010 Dec;95(12):2038-46.	2010	2010/9/9	20823137	
37	Parents' ages at birth and risk of adult-onset hematologic malignancies among female teachers in California	Lu Y	Am J Epidemiol. 2010 Jun 15;171(12):1262-9.	2010	2010/5/29	20507900	
38	Side population of a murine mantle cell lymphoma model contains tumour-initiating cells responsible for lymphoma maintenance and dissemination	Vega F	J Cell Mol Med. 2010 Jun;14(6B):1532-45.	2010	2009/8/7	19656242	
39	A prospective study of telomere length measured by monochrome multiplex quantitative PCR and risk of non-Hodgkin lymphoma	Lan Q	Clin Cancer Res. 2009 Dec 1;15(23):7429-33.	2009	2009/11/26	19934287	
40	Accelerated telomere shortening precedes development of therapy-related myelodysplasia or acute myelogenous leukemia after autologous transplantation for lymphoma	Chakraborty S	J Clin Oncol. 2009 Feb 10;27(5):791-8.	2009	2009/1/7	19124806	
41	The 3D nuclear organization of telomeres marks the transition from Hodgkin to Reed-Sternberg cells	Knecht H	Leukemia. 2009 Mar;23(3):565-73.	2009	2008/11/29	19039323	
42	Telomere capture in hepatitis C infection	Goldberg-Bittman L	Cancer Genet Cytogenet. 2009 Jun;191(2):63-6.	2009	2009/5/19	19446739	
43	Sustained telomere erosion due to increased stem cell turnover during triple autologous hematopoietic stem cell transplantation	Widmann T	Exp Hematol. 2008 Jan;36(1):104-10.	2008	2007/10/24	17949890	
44	Telomere aggregates in non-Hodgkin lymphoma patients at different disease stages	Goldberg-Bittman L	Cancer Genet Cytogenet. 2008 Jul 15;184(2):105-8.	2008	2008/7/12	18617059	
45	Telomere shortening and associated chromosomal instability in peripheral blood lymphocytes of patients with Hodgkin's lymphoma prior to any treatment are predictive of second cancers	M'kacher R	Int J Radiat Oncol Biol Phys. 2007 Jun 1;68(2):465-71.	2007	2007/4/10	17418962	
46	Short telomeres in aggressive non-Hodgkin's lymphoma as a risk factor in lymphomagenesis	Widmann TA	Exp Hematol. 2007 Jun;35(6):939-46.	2007	2007/5/30	17533048	
47	Association between telomere length and BCL2 gene rearrangements in low- and high-grade non-Hodgkin lymphomas	Haydeé Cottliar AS	Cancer Genet Cytogenet. 2006 Nov;171(1):1-8.	2006	2006/11/1	17074584	
48	Possible acceleration of aging by adjuvant chemotherapy: a cause of early onset frailty?	Maccormick RE	Med Hypotheses. 2006;67(2):212-5.	2006	2006/3/21	16546325	
49	Longitudinal assessment of hematopoietic abnormalities after autologous hematopoietic cell transplantation for lymphoma	Bhatia R	J Clin Oncol. 2005 Sep 20;23(27):6699-711.	2005	2005/9/20	16170178	

50	Telomerase inhibition with an oligonucleotide telomerase template antagonist: in vitro and in vivo studies in multiple myeloma and lymphoma	Wang ES	Blood. 2004 Jan 1;103(1):258-66.	2004	2003/9/13	12969977	
51	[Quantitative detection of telomere binding factor 2 gene expression in non-Hodgkin lymphoma with a real-time reverse transcription-polymerase chain reaction assay]	Qian WB	Zhejiang Da Xue Xue Bao Yi Xue Ban. 2004 Sep;33(5):416-20.	2004	2004/10/12	15476325	
52	Telomerase activity in B-cell non-Hodgkin lymphomas is regulated by hTERT transcription and correlated with telomere-binding protein expression but uncoupled from proliferation	Klapper W	Br J Cancer. 2003 Aug 18;89(4):713-9.	2003	2003/8/14	12915884	
53	Telomere length shortening in non-Hodgkin's lymphoma patients undergoing chemotherapy	Lee JJ	Ann Hematol. 2003 Aug;82(8):492-495.	2003	2003/8/12	12910376	
54	Possible immortalization of Hodgkin and Reed-Sternberg cells: telomerase expression, lengthening of telomere, and inhibition of apoptosis by NF-kappaB expression	Ohshima K	Leuk Lymphoma. 2001 Apr;41(3-4):367-76.	2001	2001/5/30	11378550	
55	Telomere length and telomerase activity in malignant lymphomas at diagnosis and relapse	Remes K	Br J Cancer. 2000 Feb;82(3):601-7.	2000	2000/2/22	10682672	
56	Deletion of 6q16-q21 in human lymphoid malignancies: a mapping and deletion analysis	Jackson A	Cancer Res. 2000 Jun 1;60(11):2775-9.	2000	2000/6/13	10850412	
57	Characterization of complex chromosomal abnormalities in B-cell lymphoma by a combined spectral karyotyping (SKY) analysis and fluorescence in situ hybridization (FISH) using a 14q telomere probe	Kakazu N	Am J Hematol. 2000 Dec;65(4):291-7.	2000	2000/11/14	11074557	
58	Telomerase activity in oral cancer	Miyoshi Y	Oral Oncol. 1999 May;35(3):283-9.	1999	2000/1/6	10621849	
59	Telomerase activity in Hodgkin's disease	Norrback KF	Blood. 1998 Jul 15;92(2):567-73.	1998	1998/7/10	9657757	
60	Regulation of telomerase activity in quiescent immortalized human cells	Klapper W	Biochim Biophys Acta. 1998 Nov 8;1442(2-3):120-6.	1998	1998/11/7	9804918	
61	Telomeres and telomerase in normal and malignant haematopoietic cells	Norrback KF	Eur J Cancer. 1997 Apr;33(5):774-80.	1997	1997/4/1	9282116	
62	Telomerase activity in vivo in human malignant hematopoietic cells	Nilsson P	Oncogene. 1994 Oct;9(10):3043-8.	1994	1994/10/1	8084612	

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No.	Title	First Author	Journal/Book/Page	Publication Year	Create Date	PMID	High Relevance
1	PfGBP2 is a novel G-quadruplex binding protein in Plasmodium falciparum	Gurung P	Cell Microbiol. 2021 Apr;23(4):e13303.	2021	2020/12/19	33340385	

2	Causes and consequences of telomere lengthening in a wild vertebrate population	Brown TJ	Mol Ecol. 2021 Jul 5.	2021	2021/7/5	34219315	
3	Telomere length dynamics in response to DNA damage in malaria parasites	Reed J	iScience. 2021 Jan 20;24(2):102082.	2021	2021/3/1	33644714	
4	Biomarkers of cellular aging during a controlled human malaria infection	Miglar A	Sci Rep. 2021 Sep 21;11(1):18733.	2021	2021/9/22	34548530	
5	The Architectural Factor HMGB1 Is Involved in Genome Organization in the Human Malaria Parasite Plasmodium falciparum	Lu B	mBio. 2021 Apr 27;12(2):e00148-21.	2021	2021/4/28	33906919	
6	Febrile temperature causes transcriptional downregulation of Plasmodium falciparum Sirtuins through Hsp90-dependent epigenetic modification	Tabassum W	Mol Microbiol. 2021 May;115(5):1025-1038.	2021	2021/2/4	33538363	
7	G-quadruplex RNA motifs influence gene expression in the malaria parasite Plasmodium falciparum	Dumetz F	Nucleic Acids Res. 2021 Dec 2;49(21):12486-12501.	2021	2021/11/18	34792144	
8	The Beginning of the End: A Chromosomal Assembly of the New World Malaria Mosquito Ends with a Novel Telomere	Compton A	G3 (Bethesda). 2020 Oct 5;10(10):3811-3819.	2020	2020/9/5	32883756	
9	Sex-specific effects of parasites on telomere dynamics in a short-lived passerine-the blue tit	Sudyka J	Naturwissenschaften. 2019 Jan 30;106(1-2):6.	2019	2019/2/1	30701351	
10	Placental mitochondrial DNA copy number is associated with reduced birth weight in women with placental malaria	Oktavianthi S	Placenta. 2019 May;80:1-3.	2019	2019/5/20	31103060	
11	Current Perspectives of Telomerase Structure and Function in Eukaryotes with Emerging Views on Telomerase in Human Parasites	Dey A	Int J Mol Sci. 2018 Jan 24;19(2):333.	2018	2018/1/25	29364142	
12	Cellular aging dynamics after acute malaria infection: A 12-month longitudinal study	Asghar M	Aging Cell. 2018 Feb;17(1):e12702.	2018	2017/11/17	29143441	
13	G-Quadruplex DNA Motifs in the Malaria Parasite Plasmodium falciparum and Their Potential as Novel Antimalarial Drug Targets	Harris LM	Antimicrob Agents Chemother. 2018 Feb 23;62(3):e01828-17.	2018	2018/1/10	29311059	
14	Malaria parasites possess a telomere repeat-binding protein that shares ancestry with transcription factor IIIA	Bertschi NL	Nat Microbiol. 2017 Mar 13;2:17033.	2017	2017/3/14	28288093	
15	Chromosome End Repair and Genome Stability in Plasmodium falciparum	Calhoun SF	mBio. 2017 Aug 8;8(4):e00547-17.	2017	2017/8/10	28790200	
16	Pale and dark morphs of tawny owls show different patterns of telomere dynamics in relation to disease status	Karell P	Proc Biol Sci. 2017 Jul 26;284(1859):20171127.	2017	2017/7/28	28747482	
17	Investigating Pharmacological Targeting of G-Quadruplexes in the Human Malaria Parasite	Anas M	Biochemistry. 2017 Dec 26;56(51):6691-6699.	2017	2017/11/29	29182860	

18	PfAP2Tel, harbouring a non-canonical DNA-binding AP2 domain, binds to Plasmodium falciparum telomeres	Sierra-Miranda M	Cell Microbiol. 2017 Sep;19(9).	2017	2017/4/5	28376558	
19	Restless roosts: Light pollution affects behavior, sleep, and physiology in a free-living songbird	Ouyang JQ	Glob Chang Biol. 2017 Nov;23(11):4987-4994.	2017	2017/6/10	28597541	
20	Parallel telomere shortening in multiple body tissues owing to malaria infection	Asghar M	Proc Biol Sci. 2016 Aug 17;283(1836):20161184.	2016	2016/8/5	27488651	
21	Complete telomere-to-telomere de novo assembly of the Plasmodium falciparum genome through long-read (>11 kb), single molecule, real-time sequencing	Vembar SS	DNA Res. 2016 Aug;23(4):339-51.	2016	2016/6/28	27345719	
22	G-Quadruplex ligands: Potent inhibitors of telomerase activity and cell proliferation in Plasmodium falciparum	Calvo EP	Mol Biochem Parasitol. 2016 May;207(1):33-8.	2016	2016/5/25	27217226	
23	Chronic infection. Hidden costs of infection: chronic malaria accelerates telomere degradation and senescence in wild birds	Asghar M	Science. 2015 Jan 23;347(6220):436-8.	2015	2015/1/24	25613889	
24	DNA double-strand breaks and telomeres play important roles in trypanosoma brucei antigenic variation	Li B	Eukaryot Cell. 2015 Mar;14(3):196-205.	2015	2015/1/11	25576484	
25	Ultra-sensitive detection of Plasmodium falciparum by amplification of multi-copy subtelomeric targets	Hofmann N	PLoS Med. 2015 Mar 3;12(3):e1001788.	2015	2015/3/4	25734259	
26	P. berghei telomerase subunit TERT is essential for parasite survival	Religa AA	PLoS One. 2014 Oct 2;9(9):e108930.	2014	2014/10/3	25275500	
27	Distance-based assessment of the localization of functional annotations in 3D genome reconstructions	Capurso D	BMC Genomics. 2014 Nov 18;15(1):992.	2014	2014/11/20	25407917	
28	Kinase-associated endopeptidase 1 (Kae1) participates in an atypical ribosome-associated complex in the apicoplast of Plasmodium falciparum	Mallari JP	J Biol Chem. 2014 Oct 24;289(43):30025-39.	2014	2014/9/11	25204654	
29	Impact of chromosome ends on the biology and virulence of Plasmodium falciparum	Hernández-Rivas R	Mol Biochem Parasitol. 2013 Feb;187(2):121-8.	2013	2013/1/29	23354131	
30	Plasmodium falciparum origin recognition complex subunit 1 (PfOrc1) functionally complements Asir3 mutant of Saccharomyces cerevisiae	Varunan SM	Mol Biochem Parasitol. 2013 Sep;191(1):28-35.	2013	2013/9/11	24018145	
31	Mitotic evolution of Plasmodium falciparum shows a stable core genome but recombination in antigen families	Bopp SE	PLoS Genet. 2013;9(2):e1003293.	2013	2013/2/15	23408914	
32	Two long non-coding RNAs generated from subtelomeric regions accumulate in a novel perinuclear compartment in Plasmodium falciparum	Sierra-Miranda M	Mol Biochem Parasitol. 2012 Sep;185(1):36-47.	2012	2012/6/23	22721695	
33	PfAlbas constitute a new eukaryotic DNA/RNA-binding protein family in malaria parasites	Chêne A	Nucleic Acids Res. 2012 Apr;40(7):3066-77.	2012	2011/12/15	22167473	

34	A global transcriptional analysis of Plasmodium falciparum malaria reveals a novel family of telomere-associated lncRNAs	Broadbent KM	Genome Biol. 2011 Jun 20;12(6):R56.	2011	2011/6/22	21689454	
35	A major role for the Plasmodium falciparum ApiAP2 protein PfSIP2 in chromosome end biology	Flueck C	PLoS Pathog. 2010 Feb 26;6(2):e1000784.	2010	2010/3/3	20195509	
36	The genome of the simian and human malaria parasite Plasmodium knowlesi	Pain A	Nature. 2008 Oct 9;455(7214):799-803.	2008	2008/10/10	18843368	
37	Identification of a novel post-translational modification in Plasmodium falciparum: protein sumoylation in different cellular compartments	Issar N	Cell Microbiol. 2008 Oct;10(10):1999-2011.	2008	2008/6/13	18547337	
38	Sequencing and analysis of chromosome 1 of Eimeria tenella reveals a unique segmental organization	Ling KH	Genome Res. 2007 Mar;17(3):311-9.	2007	2007/2/8	17284678	
39	Genomic analysis of a 1 Mb region near the telomere of Hessian fly chromosome X2 and avirulence gene vH13	Lobo NF	BMC Genomics. 2006 Jan 16;7:7.	2006	2006/1/18	16412254	
40	The epigenetic control of antigenic variation in Plasmodium falciparum	Ralph SA	Curr Opin Microbiol. 2005 Aug;8(4):434-40.	2005	2005/6/28	15979386	
41	Plasmodium telomeres and telomerase: the usual actors in an unusual scenario	Figueiredo L	Chromosome Res. 2005;13(5):517-24.	2005	2005/9/1	16132816	
42	Telomeric heterochromatin propagation and histone acetylation control mutually exclusive expression of antigenic variation genes in malaria parasites	Freitas-Junior LH	Cell. 2005 Apr 8;121(1):25-36.	2005	2005/4/12	15820676	
43	The unusually large Plasmodium telomerase reverse-transcriptase localizes in a discrete compartment associated with the nucleolus	Figueiredo LM	Nucleic Acids Res. 2005 Feb 18;33(3):1111-22.	2005	2005/2/22	15722485	
44	Sub-grouping of Plasmodium falciparum 3D7 var genes based on sequence analysis of coding and non-coding regions	Lavstsen T	Malar J. 2003 Sep 10;2:27.	2003	2003/10/21	14565852	
45	Identification of telomerase activity in gametocytes of Plasmodium falciparum	Raj DK	Biochem Biophys Res Commun. 2003 Sep 26;309(3):685-8.	2003	2003/9/10	12963045	
46	A central role for Plasmodium falciparum subtelomeric regions in spatial positioning and telomere length regulation	Figueiredo LM	EMBO J. 2002 Feb 15;21(4):815-24.	2002	2002/2/16	11847128	
47	A distinct 5' flanking var gene region regulates Plasmodium falciparum variant erythrocyte surface antigen expression in placental malaria	Vázquez-Macías A	Mol Microbiol. 2002 Jul;45(1):155-67.	2002	2002/7/9	12100556	
48	Targeted terminal deletions as a tool for functional genomics studies in Plasmodium	Pace T	Genome Res. 2000 Sep;10(9):1414-20.	2000	2000/9/14	10984459	
49	Plasmodium falciparum telomerase: de novo telomere addition to telomeric and nontelomeric sequences and role in chromosome healing	Bottius E	Mol Cell Biol. 1998 Feb;18(2):919-25.	1998	1998/2/3	9447988	

50	Expression of var genes located within polymorphic subtelomeric domains of Plasmodium falciparum chromosomes	Fischer K	Mol Cell Biol. 1997 Jul;17(7):3679-86.	1997	1997/7/1	9199301	
51	Chromosome end elongation by recombination in the mosquito Anopheles gambiae	Roth CW	Mol Cell Biol. 1997 Sep;17(9):5176-83.	1997	1997/9/1	9271395	
52	Subtelomeric chromosome instability in Plasmodium falciparum: short telomere-like sequence motifs found frequently at healed chromosome breakpoints	Mattei D	Mutat Res. 1994 Jul;324(3):115-20.	1994	1994/7/1	7517510	
53	The polymorphic subtelomeric regions of Plasmodium falciparum chromosomes contain arrays of repetitive sequence elements	de Bruin D	Proc Natl Acad Sci U S A. 1994 Jan 18;91(2):619-23.	1994	1994/1/18	8290573	
54	Transcriptional differences in polymorphic and conserved domains of a complete cloned P. falciparum chromosome	Lanzer M	Nature. 1993 Feb 18;361(6413):654-7.	1993	1993/2/18	8437626	
55	Cloning and characterization of chromosome breakpoints of Plasmodium falciparum: breakage and new telomere formation occurs frequently and randomly in subtelomeric genes	Scherf A	Nucleic Acids Res. 1992 Apr 11;20(7):1491-6.	1992	1992/4/11	1579440	
56	Molecular karyotyping of the rodent malaras Plasmodium chabaudi, Plasmodium berghei and Plasmodium vinckei	Sheppard M	Mol Biochem Parasitol. 1989 Apr;34(1):45-52.	1989	1989/4/1	2651917	
57	Sequence and structure of a Plasmodium falciparum telomere	Vernick KD	Mol Biochem Parasitol. 1988 Mar;28(2):85-94.	1988	1988/3/1	3285206	
58	Genetic hypervariability of telomere-related sequences is associated with meiosis in Plasmodium falciparum	Vernick KD	Nucleic Acids Res. 1988 Jul 25;16(14B):6973-85.	1988	1988/7/25	3043376	
59	Chromosome size variation in the malaria parasite of rodents, Plasmodium chabaudi	Sharkey A	Mol Biochem Parasitol. 1988 Feb;28(1):47-54.	1988	1988/2/1	3374525	

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No.	Title	First Author	Journal/Book/page	Publication Year	Create Date	PMID	High Relevance
1	Defective Autophagy and Mitophagy in Aging and Alzheimer's Disease	Tran M	Front Neurosci. 2021 Jan 8;14:612757.	2021	2021/1/25	33488352	
2	Coordinated roles of SLX4 and MutSβ in DNA repair and the maintenance of genome stability	Young SJ	Crit Rev Biochem Mol Biol. 2021 Apr;56(2):157-177.	2021	2021/2/18	33596761	
3	The Ageing Brain: Molecular and Cellular Basis of Neurodegeneration	Azam S	Front Cell Dev Biol. 2021 Aug 13;9:683459.	2021	2021/9/6	34485280	
4	A Comprehensive Analysis of the Role of hnRNP A1 Function and Dysfunction in the Pathogenesis of Neurodegenerative Disease	Clarke JP	Front Mol Biosci. 2021 Apr 12;8:659610.	2021	2021/4/29	33912591	

5	Flavonoids and Polyphenolic Compounds as Potential Talented Agents for the Treatment of Alzheimer's Disease and their Antioxidant Activities	Akter R	Curr Pharm Des. 2021;27(3):345-356.	2021	2020/11/3	33138754	
6	Biological Aging and the Cellular Pathogenesis of Huntington's Disease	Machiela E	J Huntingtons Dis. 2020;9(2):115-128.	2020	2020/5/18	32417788	
7	Telomere length analysis on leukocytes derived from patients with Huntington Disease	PerezGrovas-Saltijeral A	Mech Ageing Dev. 2020 Jan;185:111189.	2020	2019/11/25	31759995	
8	Leukocyte telomere shortening in Huntington's disease	Scarabino D	J Neurol Sci. 2019 Jan 15;396:25-29.	2019	2018/11/6	30396032	
9	Dietary Polyphenols: A Multifactorial Strategy to Target Alzheimer's Disease	Dhakal S	Int J Mol Sci. 2019 Oct 14;20(20):5090.	2019	2019/10/17	31615073	
10	DNA damage signatures in peripheral blood cells as biomarkers in prodromal huntington disease	Castaldo I	Ann Neurol. 2019 Feb;85(2):296-301.	2019	2018/12/15	30549309	
11	Can leukocyte telomere shortening be a possible biomarker to track Huntington's disease progression?	Mantuano E	Neural Regen Res. 2019 Oct;14(10):1709-1710.	2019	2019/6/7	31169183	
12	Age-associated bimodal transcriptional drift reduces intergenic disparities in transcription	Min B	Aging (Albany NY). 2018 Apr 27;10(4):789-807.	2018	2018/5/1	29706608	
13	Telomere length as a modifier of age-at-onset in Huntington disease: a two-sample Mendelian randomization study	Aziz NA	J Neurol. 2018 Sep;265(9):2149-2151.	2018	2018/7/14	30003356	
14	Reduced telomere length in neurodegenerative disorders may suggest shared biology	Kota LN	J Neuropsychiatry Clin Neurosci. 2015;27(2):e92-6.	2015	2014/12/27	25541866	
15	APE1 incision activity at abasic sites in tandem repeat sequences	Li M	J Mol Biol. 2014 May 29;426(11):2183-98.	2014	2014/4/8	24703901	
16	Long-range mapping of gaps and telomeres with RecA-assisted restriction endonuclease (RARE) cleavage	Ferrin LJ	Nat Genet. 1994 Apr;6(4):379-83.	1994	1994/4/1	8054978	
17	A linkage study with DNA markers (D4S95, D4S115, and D4S111) in Japanese Huntington disease families	Watanabe M	Jpn J Hum Genet. 1993 Jun;38(2):193-201.	1993	1993/6/1	8102909	
18	Nonrandom association between Huntington disease and two loci separated by about 3 Mb on 4p16.3	Andrew S	Genomics. 1992 Jun;13(2):301-11.	1992	1992/6/1	1351866	
19	Isolation and characterization of new highly polymorphic DNA markers from the Huntington disease region	Weber B	Am J Hum Genet. 1992 Feb;50(2):382-93.	1992	1992/2/1	1346482	
20	Linkage, but not gene order, of homologous loci, including alpha-L-iduronidase (Idua), is conserved in the Huntington disease region of the mouse and human genomes	Koizumi T	Mamm Genome. 1992;3(1):23-7.	1992	1992/1/1	1533802	

21	Recombination of 4p16 DNA markers in an unusual family with Huntington disease	Pritchard C	Am J Hum Genet. 1992 Jun;50(6):1218-30.	1992	1992/6/1	1350884	
22	The telomeric 60 kb of chromosome arm 4p is homologous to telomeric regions on 13p, 15p, 21p, and 22p	Youngman S	Genomics. 1992 Oct;14(2):350-6.	1992	1992/10/1	1427851	
23	Delineation of a 50 kilobase DNA segment containing the recombination site in a sporadic case of Huntington's disease	Weber B	Nat Genet. 1992 Nov;2(3):216-22.	1992	1992/11/1	1345172	
24	Mapping of cosmid clones in Huntington's disease region of chromosome 4	Whaley WL	Somat Cell Mol Genet. 1991 Jan;17(1):83-91.	1991	1991/1/1	1671801	
25	Defined physical limits of the Huntington disease gene candidate region	Bates GP	Am J Hum Genet. 1991 Jul;49(1):7-16.	1991	1991/7/1	1829581	
26	Increased recombination adjacent to the Huntington disease-linked D4S10 marker	Allitto BA	Genomics. 1991 Jan;9(1):104-12.	1991	1991/1/1	1672283	
27	Genomic organization and complete sequence of the human gene encoding the beta-subunit of the cGMP phosphodiesterase and its localisation to 4p 16.3	Weber B	Nucleic Acids Res. 1991 Nov 25;19(22):6263-8.	1991	1991/11/25	1720239	
28	Huntington disease-linked locus D4S111 exposed as the alpha-L-iduronidase gene	MacDonald ME	Somat Cell Mol Genet. 1991 Jul;17(4):421-5.	1991	1991/7/1	1832239	
29	Linkage disequilibrium and recombination make a telomeric site for the Huntington's disease gene unlikely	Barron L	J Med Genet. 1991 Aug;28(8):520-2.	1991	1991/8/1	1833548	
30	A yeast artificial chromosome telomere clone spanning a possible location of the Huntington disease gene	Bates GP	Am J Hum Genet. 1990 Apr;46(4):762-75.	1990	1990/4/1	2138410	
31	Physical maps of 4p16.3, the area expected to contain the Huntington disease mutation	Bučan M	Genomics. 1990 Jan;6(1):1-15.	1990	1990/1/1	2137426	
32	A cloned DNA segment from the telomeric region of human chromosome 4p is not detectably rearranged in Huntington disease patients	Pritchard C	Proc Natl Acad Sci U S A. 1990 Sep;87(18):7309-13.	1990	1990/9/1	2144903	
33	Non-random association between alleles detected at D4S95 and D4S98 and the Huntington's disease gene	Theilmann J	J Med Genet. 1989 Nov;26(11):676-81.	1989	1989/11/1	2531224	
34	Evidence from family studies that the gene causing Huntington disease is telomeric to D4S95 and D4S90	Robbins C	Am J Hum Genet. 1989 Mar;44(3):422-5.	1989	1989/3/1	2521771	
35	The Huntington disease locus is most likely within 325 kilobases of the chromosome 4p telomere	Doggett NA	Proc Natl Acad Sci U S A. 1989 Dec;86(24):10011-4.	1989	1989/12/1	2557612	
36	Clustering of multiallele DNA markers near the Huntington's disease gene	MacDonald ME	J Clin Invest. 1989 Sep;84(3):1013-6.	1989	1989/9/1	2569477	

37	Isolation and field-inversion gel electrophoresis analysis of DNA markers located close to the Huntington disease gene	Pritchard CA	Genomics. 1989 Apr;4(3):408-18.	1989	1989/4/1	2523854	
38	Linkage disequilibrium in Huntington's disease: an improved localisation for the gene	Snell RG	J Med Genet. 1989 Nov;26(11):673-5.	1989	1989/11/1	2531223	
39	Synteny on mouse chromosome 5 of homologs for human DNA loci linked to the Huntington disease gene	Cheng SV	Genomics. 1989 Apr;4(3):419-26.	1989	1989/4/1	2523855	
40	Mapping of D4S98/S114/S113 confines the Huntington's defect to a reduced physical region at the telomere of chromosome 4	Whaley WL	Nucleic Acids Res. 1988 Dec 23;16(24):11769-80.	1988	1988/12/23	2905444	
41	Localization of the Huntington's disease gene to a small segment of chromosome 4 flanked by D4S10 and the telomere	Gilliam TC	Cell. 1987 Aug 14;50(4):565-71.	1987	1987/8/14	2886227	
42	A DNA segment encoding two genes very tightly linked to Huntington's disease	Gilliam TC	Science. 1987 Nov 13;238(4829):950-2.	1987	1987/11/13	2890209	
43	Molecular genetics of Huntington's disease	Gusella JF	Cold Spring Harb Symp Quant Biol. 1986;51 Pt 1:359-64.	1986	1986/1/1	2884064	
44	Fine mapping of the Huntington disease linked D4S10 locus by non-radioactive in situ hybridization	Landegent JE	Hum Genet. 1986 Aug;73(4):354-7.	1986	1986/8/1	2943662	

Telomere & Pregnancy Complications

No.	Title	First Author	Journal/Book/Page	Publication Year	Create Date	PMID	High Relevance
1	Influence of Maternal Infection and Pregnancy Complications on Cord Blood Telomere Length	Tung KTS	Oxid Med Cell Longev. 2021 Sep 25;2021:3339456.	2021	2021/10/7	34616503	
2	Oxidative Stress Induced Damage and Early Senescence in Preterm Placenta	Saroyo YB	J Pregnancy. 2021 Jun 24;2021:9923761.	2021	2021/7/14	34258068	
3	Gynaecological and reproductive health of women with telomere biology disorders	Giri N	Br J Haematol. 2021 Jun;193(6):1238-1246.	2021	2021/5/21	34019708	
4	DNA methylation signatures in cord blood associated with birthweight are enriched for dmCpGs previously associated with maternal hypertension or pre-eclampsia- smoking and folic acid intake	Antoun E	Epigenetics. 2021 Apr 28:1-17.	2021	2021/3/31	33784941	
5	Telomere-Related Disorders in Fetal Membranes Associated With Birth and Adverse Pregnancy Outcomes	Polettini J	Front Physiol. 2020 Oct 2;11:561771.	2020	2020/10/30	33123024	
6	Telomere erosion as a placental clock: From placental pathologies to adverse pregnancy outcomes	Kohlrausch FB	Placenta. 2020 Aug;97:101-107.	2020	2020/8/15	32792055	

7	Understanding the Role of Telomere Dynamics in Normal and Dysfunctional Human Reproduction	Arias-Sosa LA	Reprod Sci. 2019 Jan;26(1):6-17.	2019	2018/10/10	30296917	
8	Maternal-fetal cross talk through cell-free fetal DNA, telomere shortening, microchimerism, and inflammation	Cheng SB	Am J Reprod Immunol. 2018 May;79(5):e12851.	2018	2018/3/27	29577468	
9	Prenatal Air Pollution and Newborns' Predisposition to Accelerated Biological Aging	Martens DS	JAMA Pediatr. 2017 Dec 1;171(12):1160-1167.	2017	2017/10/20	29049509	
10	Telomere length heterogeneity in placenta revealed with high-resolution telomere length analysis	Garcia-Martin I	Placenta. 2017 Nov;59:61-68.	2017	2017/11/8	29108638	
11	Differences in placental telomere length suggest a link between racial disparities in birth outcomes and cellular aging	Jones CW	Am J Obstet Gynecol. 2017 Mar;216(3):294.e1-294.e8.	2017	2016/11/21	27865975	
12	Maternal pre-pregnancy body mass index and newborn telomere length	Martens DS	BMC Med. 2016 Oct 18;14(1):148.	2016	2016/10/19	27751173	
13	Telomerase activity in pregnancy complications (Review)	Fragkiadaki P	Mol Med Rep. 2016 Jul;14(1):16-21.	2016	2016/5/14	27175856	
14	RNA sequencing of chorionic villi from recurrent pregnancy loss patients reveals impaired function of basic nuclear and cellular machinery	Söber S	Sci Rep. 2016 Dec 8;6:38439.	2016	2016/12/9	27929073	
15	The association between leukocyte telomere length and mitochondrial DNA copy number in pregnant women: a pilot study	Qiu C	Clin Lab. 2015;61(3-4):363-9.	2015	2015/5/16	25975004	
16	Multiplex and genome-wide analyses reveal distinctive properties of KIR+ and CD56+ T cells in human blood	Chan WK	J Immunol. 2013 Aug 15;191(4):1625-36.	2013	2013/7/17	23858032	
17	Telomere length, pre-eclampsia, and gestational diabetes	Harville EW	BMC Res Notes. 2010 Apr 23;3:113.	2010	2010/4/27	20416088	

Telomere & Multiple Sclerosis

No.	Title	First Author	Journal/Book/Page	Publication Year	Create Date	PMID	High Relevance
1	Leukocyte Telomere Length in Patients with Multiple Sclerosis and Its Association with Clinical Phenotypes	Hecker M	Mol Neurobiol. 2021 Jun;58(6):2886-2896.	2021	2021/2/6	33547621	
2	Genetic, Environmental and Lifestyle Determinants of Accelerated Telomere Attrition as Contributors to Risk and Severity of Multiple Sclerosis	Hecker M	Biomolecules. 2021 Oct 13;11(10):1510.	2021	2021/10/23	34680143	
3	Systematic Review of Studies on Telomere Length in Patients with Multiple Sclerosis	Bühning J	Aging Dis. 2021 Aug 1;12(5):1272-1286.	2021	2021/8/3	34341708	

4	The Role of T Cell Senescence in Neurological Diseases and Its Regulation by Cellular Metabolism	Fessler J	Front Immunol. 2021 Jul 14;12:706434.	2021	2021/8/2	34335619	
5	A Comprehensive Analysis of the Role of hnRNP A1 Function and Dysfunction in the Pathogenesis of Neurodegenerative Disease	Clarke JP	Front Mol Biosci. 2021 Apr 12;8:659610.	2021	2021/4/29	33912591	
6	Association between shorter leukocyte telomeres and multiple sclerosis	Habib R	J Neuroimmunol. 2020 Apr 15;341:577187.	2020	2020/2/13	32050150	
7	Telomere Length Is Associated with Disability Progression in Multiple Sclerosis	Krysko KM	Ann Neurol. 2019 Nov;86(5):671-682.	2019	2019/9/6	31486104	
8	Genetic overlap between autoimmune diseases and non-Hodgkin lymphoma subtypes	Din L	Genet Epidemiol. 2019 Oct;43(7):844-863.	2019	2019/8/14	31407831	
9	Reduced cellularity of bone marrow in multiple sclerosis with decreased MSC expansion potential and premature ageing in vitro	Redondo J	Mult Scler. 2018 Jun;24(7):919-931.	2018	2017/5/27	28548004	
10	Vitamin E administration erases an enhanced oxidation in multiple sclerosis	Guan JZ	Can J Physiol Pharmacol. 2018 Nov;96(11):1181-1183.	2018	2018/8/10	30092167	
11	MicroRNAs, Aging, Cellular Senescence, and Alzheimer's Disease	Reddy PH	Prog Mol Biol Transl Sci. 2017;146:127-171.	2017	2017/3/4	28253983	
12	Patients with multiple sclerosis show increased oxidative stress markers and somatic telomere length shortening	Guan JZ	Mol Cell Biochem. 2015 Feb;400(1-2):183-7.	2015	2014/11/27	25424527	
13	Antiviral therapy of two patients with chromosomally-integrated human herpesvirus-6A presenting with cognitive dysfunction	Montoya JG	J Clin Virol. 2012 Sep;55(1):40-5.	2012	2012/7/10	22770640	
14	CD2 costimulation reveals defective activity by human CD4+CD25(hi) regulatory cells in patients with multiple sclerosis	Baecher-Allan CM	J Immunol. 2011 Mar 15;186(6):3317-26.	2011	2011/2/9	21300823	
15	Thymic export function and T cell homeostasis in patients with relapsing remitting multiple sclerosis	Hug A	J Immunol. 2003 Jul 1;171(1):432-7.	2003	2003/6/21	12817027	

Telomere & Plasma Cell

No.	Title	First Author	Journal/Book/Page	Publication Year	Create Date	PMID	High Relevance
1	Analysis of human chromosomes by imaging flow cytometry	Stanley J	Cytometry B Clin Cytom. 2021 Sep;100(5):541-553.	2021	2021/5/25	34033226	
2	Hereditary Predisposition to Hematopoietic Neoplasms: When Bloodline Matters for Blood Cancers	Mangaonkar AA	Mayo Clin Proc. 2020 Jul;95(7):1482-1498.	2020	2020/6/24	32571604	

3	PARP inhibition prevents escape from a telomere-driven crisis and inhibits cell immortalisation	Ngo G	Oncotarget. 2018 Dec 25;9(101):37549-37563.	2018	2019/1/26	30680069	
4	A plasma telomeric cell-free DNA level in unaffected women with BRCA1 or/and BRCA2 mutations: a pilot study	Dey S	Oncotarget. 2017 Dec 29;9(3):4214-4222.	2017	2018/2/10	29423116	
5	Differential Expression of Non-Shelterin Genes Associated with High Telomerase Levels and Telomere Shortening in Plasma Cell Disorders	Panero J	PLoS One. 2015 Sep 14;10(9):e0137972.	2015	2015/9/15	26366868	
6	Aberrant reduction of telomere repetitive sequences in plasma cell-free DNA for early breast cancer detection	Wu X	Oncotarget. 2015 Oct 6;6(30):29795-807.	2015	2015/9/11	26356673	
7	Absolute qPCR for measuring telomere length in bone marrow samples of plasma cell disorders	Panero J	Mol Biotechnol. 2015 Feb;57(2):155-9.	2015	2014/10/15	25311116	
8	Telomeric repeat-containing RNA (TERRA) constitutes a nucleoprotein component of extracellular inflammatory exosomes	Wang Z	Proc Natl Acad Sci U S A. 2015 Nov 17;112(46):E6293-300.	2015	2015/11/19	26578789	
9	Expression profile of shelterin components in plasma cell disorders. Clinical significance of POT1 overexpression	Panero J	Blood Cells Mol Dis. 2014 Feb-Mar;52(2-3):134-9.	2014	2013/11/19	24239198	
10	Expression profile of telomere-associated genes in multiple myeloma	Díaz de la Guardia R	J Cell Mol Med. 2012 Dec;16(12):3009-21.	2012	2012/9/6	22947336	
11	Altered mRNA expression of telomere-associated genes in monoclonal gammopathy of undetermined significance and multiple myeloma	Panero J	Mol Med. 2010 Nov-Dec;16(11-12):471-8.	2010	2010/7/21	20644899	
12	Telomerase inhibition targets clonogenic multiple myeloma cells through telomere length-dependent and independent mechanisms	Brennan SK	PLoS One. 2010 Sep 1;5(9):e12487.	2010	2010/9/9	20824134	
13	Telomere shortening in patients with plasma cell disorders	Cottliar A	Eur J Haematol. 2003 Nov;71(5):334-40.	2003	2003/12/12	14667196	
14	Telomere maintenance in human B lymphocytes	Martens UM	Br J Haematol. 2002 Dec;119(3):810-8.	2002	2002/11/20	12437664	