

"Telomere & Nervous System(Alzheimer,Parkinson)" Articles

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Telomere & Alzheimer

No.	Title	First Author	Journal/Book/Page	Publication Year	Create Date	PMID	High Relevance
1	Telomeric alterations in the default mode network during the progression of Alzheimer's disease: Selective vulnerability of the precuneus	Mahady LJ	Neuropathol Appl Neurobiol. 2021 Apr;47(3):428-440.	2021	2020/10/27	33107640	*
2	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	
3	Genes causing congenital hydrocephalus: Their chromosomal characteristics of telomere proximity and DNA compositions	McKnight I	Exp Neurol. 2021 Jan;335:113523.	2021	2020/11/6	33157092	*
4	Increased telomerase improves motor function and alpha-synuclein pathology in a transgenic mouse model of Parkinson's disease associated with enhanced autophagy	Wan T	Prog Neurobiol. 2021 Apr;199:101953.	2021	2020/11/14	33188884	
5	Leukocyte telomere length and plasma interleukin-18 and interleukin-18 levels in mild cognitive impairment and Alzheimer's disease: new biomarkers for diagnosis and disease progression?	Corbo RM	Neural Regen Res. 2021 Jul;16(7):1397-1398.	2021	2020/12/15	33318425	*
6	Defective Autophagy and Mitophagy in Aging and Alzheimer's Disease	Tran M	Front Neurosci. 2021 Jan 8;14:612757.	2021	2021/1/25	33488352	
7	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	
8	MicroRNA-340-5p increases telomere length by targeting telomere protein POT1 to improve Alzheimer's disease in mice	Li X	Cell Biol Int. 2021 Jun;45(6):1306-1315.	2021	2021/2/24	33624913	*
9	A Stress Syndrome Prototype Reflects Type 3 Diabetes and Ischemic Stroke Risk: The SABPA Study	Malan L	Biology (Basel). 2021 Feb 18;10(2):162.	2021	2021/3/6	33670473	
10	Genetically Predicted Telomere Length and Its Relationship With Alzheimer's Disease	Yu G	Front Genet. 2021 Feb 19;12:595864.	2021	2021/3/8	33679878	*
11	Anti-aging Natural Compounds and their Role in the Regulation of Metabolic Pathways Leading to Longevity	Muzammil A	Mini Rev Med Chem. 2021;21(18):2630-2656.	2021	2021/4/6	33820505	
12	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	

13	Telomerase in Brain: The New Kid on the Block and Its Role in Neurodegenerative Diseases	Saretzki G	Biomedicines. 2021 Apr 29;9(5):490.	2021	2021/5/5	33946850	
14	Long-Term Administration of Triterpenoids From Ganoderma lucidum Mitigates Age-Associated Brain Physiological Decline via Regulating Sphingolipid Metabolism and Enhancing Autophagy in Mice	Zeng M	Front Aging Neurosci. 2021 May 6;13:628860.	2021	2021/5/24	34025387	
15	Replicative senescence dictates the emergence of disease-associated microglia and contributes to Aβ pathology	Hu Y	Cell Rep. 2021 Jun 8;35(10):109228.	2021	2021/6/9	34107254	
16	Short leukocyte telomeres predict 25-year Alzheimer's disease incidence in non-APOE ε4-carriers	Hackenhaar FS	Alzheimers Res Ther. 2021 Jul 15;13(1):130.	2021	2021/7/16	34266503	*
17	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	
18	Increased telomere length in patients with frontotemporal dementia syndrome	Kim EJ	J Neurol Sci. 2021 Sep 15;428:117565.	2021	2021/7/26	34311139	*
19	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	
20	The Relationship Between Four Measures of Religiosity and Cross-National Variations in the Burden of Dementia	Rajkumar RP	Cureus. 2021 Aug 9;13(8):e17034.	2021	2021/8/16	34395146	*
21	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	
22	Meta-analysis of the Connection Between Alzheimer Disease and Telomeres	Fu J	Alzheimer Dis Assoc Disord. 2021 Oct 15.	2021	2021/10/15	34654043	
23	[Experimental studies of geroprotective and anti-aging effects of chemical compounds of Portulaca oleracea L. (review).]	Berezutsky MA	Adv Gerontol. 2021;34(5):715-720.	2021	2022/1/8	34998009	
24	Beta-carotene, telomerase activity and Alzheimer's disease in old age subjects	Boccardi V	Eur J Nutr. 2020 Feb;59(1):119-126.	2020	2019/1/17	30649596	*
25	Vitamin E and Alzheimer's disease: the mediating role of cellular aging	Casati M	Aging Clin Exp Res. 2020 Mar;32(3):459-464.	2020	2019/5/5	31054115	*
26	Role of Senescence and Neuroprotective Effects of Telomerase in Neurodegenerative Diseases	Ding X	Rejuvenation Res. 2020 Apr;23(2):150-158.	2020	2019/6/8	31170886	*
27	Shorter Telomere Length in Carriers of APOE-ε4 and High Plasma Concentration of Glucose, Glyoxal and Other Advanced Glycation End Products (AGEs)	Dhillon VS	J Gerontol A Biol Sci Med Sci. 2020 Sep 25;75(10):1894-1898.	2020	2019/9/22	31541246	
28	Observational and genetic studies of short telomeres and Alzheimer's disease in 67,000 and 152,000 individuals: a Mendelian randomization study	Scheller Madrid A	Eur J Epidemiol. 2020 Feb;35(2):147-156.	2020	2019/9/30	31564046	*
29	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	

30	Telomere Length and the Risk of Alzheimer's Disease: The Rotterdam Study	Fani L	J Alzheimers Dis. 2020;73(2):707-714.	2020	2019/12/17	31839608	*
31	Mosaic loss of human Y chromosome: what, how and why	Guo X	Hum Genet. 2020 Apr;139(4):421-446.	2020	2020/2/6	32020362	
32	Telomere shortening reflecting physical aging is associated with cognitive decline and dementia conversion in mild cognitive impairment due to Alzheimer's disease	Koh SH	Aging (Albany NY). 2020 Mar 3;12(5):4407-4423.	2020	2020/3/4	32126022	*
33	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	*
34	Mesenchymal Stem Cells Could Be Considered as a Candidate for Further Studies in Cell-Based Therapy of Alzheimer's Disease via Targeting the Signaling Pathways	Farahzadi R	ACS Chem Neurosci. 2020 May 20;11(10):1424-1435.	2020	2020/4/21	32310632	
35	Stress and Alzheimer's disease: A senescence link?	Lyons CE	Neurosci Biobehav Rev. 2020 Aug;115:285-298.	2020	2020/5/29	32461080	
36	Telomere length and oxidative stress variations in a murine model of Alzheimer's disease progression	Martínez-González K	Eur J Neurosci. 2020 Dec;52(12):4863-4874.	2020	2020/6/29	32594585	*
37	Cognitive function has a stronger correlation with perceived age than with chronological age	Umeda-Kameyama Y	Geriatr Gerontol Int. 2020 Aug;20(8):779-784.	2020	2020/7/4	32618098	*
38	Telomere Attrition in Neurodegenerative Disorders	Levstek T	Front Cell Neurosci. 2020 Jul 15;14:219.	2020	2020/8/8	32760251	*
39	Are long telomeres better than short? Relative contributions of genetically predicted telomere length to neoplastic and non-neoplastic disease risk and population health burden	Protsenko E	PLoS One. 2020 Oct 8;15(10):e0240185.	2020	2020/10/8	33031470	
40	Relationship between telomere shortening and age in Korean individuals with mild cognitive impairment and Alzheimer's disease compared to that in healthy controls	Lee EH	Aging (Albany NY). 2020 Dec 15;13(2):2089-2100.	2020	2020/12/16	33323554	*
41	Telomere length and 8-hydroxy-2-deoxyguanosine as markers for early prediction of Alzheimer disease	Abou-Elela DH	Indian J Psychiatry. 2020 Nov-Dec;62(6):678-683.	2020	2021/4/26	33896973	*
42	Expression of telomere repeat binding factor 1 and TRF2 in Alzheimer's disease and correlation with clinical parameters	Wu Q	Neurol Res. 2019 Jun;41(6):504-509.	2019	2019/2/15	30761946	*
43	Telomere length and health outcomes: An umbrella review of systematic reviews and meta-analyses of observational studies	Smith L	Ageing Res Rev. 2019 May;51:1-10.	2019	2019/2/19	30776454	*
44	Dynamic DNA Methylation During Aging: A "Prophet" of Age-Related Outcomes	Xiao FH	Front Genet. 2019 Feb 18;10:107.	2019	2019/3/6	30833961	
45	Association of Variants in PINX1 and TREM2 With Late-Onset Alzheimer Disease	Tosto G	JAMA Neurol. 2019 Aug 1;76(8):942-948.	2019	2019/5/7	31058951	

46	Transcriptomics in tissue glucocorticoid sensitivity	Nicolaidis NC	Eur J Clin Invest. 2019 Aug;49(8):e13129.	2019	2019/5/16	31091335	
47	Telomeres in neurological disorders	Anitha A	Adv Clin Chem. 2019;90:81-132.	2019	2019/5/25	31122612	
48	Telomerase gene therapy ameliorates the effects of neurodegeneration associated to short telomeres in mice	Whittemore K	Aging (Albany NY). 2019 May 28;11(10):2916-2948.	2019	2019/5/30	31140977	*
49	Leukocyte Telomere Length Shortening and Alzheimer's Disease Etiology	Guo Y	J Alzheimers Dis. 2019;69(3):881-885.	2019	2019/6/4	31156167	*
50	Telomere Shortening in the Alzheimer's Disease Neuroimaging Initiative Cohort	Nudelman KNH	J Alzheimers Dis. 2019;71(1):33-43.	2019	2019/7/20	31322561	*
51	Aldehyde Dehydrogenase 2 (ALDH2) and Aging: Is There a Sensible Link?	Wu NN	Adv Exp Med Biol. 2019;1193:237-253.	2019	2019/8/2	31368109	
52	Association of Leukocyte Telomere Length with Mild Cognitive Impairment and Alzheimer's Disease: Role of Folate and Homocysteine	Ma F	Dement Geriatr Cogn Disord. 2019;48(1-2):56-67.	2019	2019/8/23	31437841	*
53	Ageing as a risk factor for neurodegenerative disease	Hou Y	Nat Rev Neurol. 2019 Oct;15(10):565-581.	2019	2019/9/11	31501588	*
54	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	
55	Proteomic Profiling of Extracellular Vesicles Isolated From Cerebrospinal Fluid of Former National Football League Players at Risk for Chronic Traumatic Encephalopathy	Muraoka S	Front Neurosci. 2019 Oct 9;13:1059.	2019	2019/10/26	31649498	
56	Exploring the Causal Pathway From Telomere Length to Alzheimer's Disease: An Update Mendelian Randomization Study	Gao K	Front Psychiatry. 2019 Nov 15;10:843.	2019	2019/12/6	31803085	*
57	Telomere length associations with cognition depend on Alzheimer's disease biomarkers	Mahoney ER	Alzheimers Dement (N Y). 2019 Dec 9;5:883-890.	2019	2020/1/1	31890852	*
58	Folic Acid Supplementation Suppresses Sleep Deprivation-Induced Telomere Dysfunction and Senescence-Associated Secretory Phenotype (SASP)	Zhang X	Oxid Med Cell Longev. 2019 Dec 14;2019:4569614.	2019	2020/1/18	31949878	
59	A Comparative Study of the Effects of Sodium Selenite and Glutathione Mono Ethyl Ester on Aged Adipose-Derived Stem Cells: The Telomerase and Cellular Responses	Aminizadeh N	Rejuvenation Res. 2018 Feb;21(1):29-36.	2018	2017/6/17	28622077	
60	Effect of resveratrol and pterostilbene on aging and longevity	Li YR	Biofactors. 2018 Jan;44(1):69-82.	2018	2017/12/7	29210129	
61	Emerging Roles of Sirtuin 6 in Alzheimer's Disease	Mohamad Nasir NF	J Mol Neurosci. 2018 Feb;64(2):157-161.	2018	2017/12/21	29260452	
62	Telomere biology and age-related diseases	Herrmann M	Clin Chem Lab Med. 2018 Jul 26;56(8):1210-1222.	2018	2018/3/2	29494336	

63	Telomere Length Shortening in Alzheimer's Disease: Procedures for a Causal Investigation Using Single Nucleotide Polymorphisms in a Mendelian Randomization Study	Zhan Y	Methods Mol Biol. 2018;1750:293-306.	2018	2018/3/8	29512081	*
64	Chronic Lithium Treatment Increases Telomere Length in Parietal Cortex and Hippocampus of Triple-Transgenic Alzheimer's Disease Mice	Cardillo GM	J Alzheimers Dis. 2018;63(1):93-101.	2018	2018/4/5	29614649	*
65	Which Risk Factors Causally Influence Dementia? A Systematic Review of Mendelian Randomization Studies	Kuźma E	J Alzheimers Dis. 2018;64(1):181-193.	2018	2018/6/6	29865062	
66	Effects of Meditation and Music-Listening on Blood Biomarkers of Cellular Aging and Alzheimer's Disease in Adults with Subjective Cognitive Decline: An Exploratory Randomized Clinical Trial	Innes KE	J Alzheimers Dis. 2018;66(3):947-970.	2018	2018/10/16	30320574	
67	The Neuro-Immuno-Senescence Integrative Model (NISIM) on the Negative Association Between Parasympathetic Activity and Cellular Senescence	Ask TF	Front Neurosci. 2018 Oct 9;12:726.	2018	2018/10/30	30369866	
68	Repression of telomere-associated genes by microglia activation in neuropsychiatric disease	Kronenberg G	Eur Arch Psychiatry Clin Neurosci. 2017 Aug;267(5):473-477.	2017	2016/11/30	27896432	
69	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	
70	Common variants of human TERT and TERC genes and susceptibility to sporadic Alzheimers disease	Scarabino D	Exp Gerontol. 2017 Feb;88:19-24.	2017	2017/1/1	28039025	*
71	MicroRNAs, Aging, Cellular Senescence, and Alzheimer's Disease	Reddy PH	Prog Mol Biol Transl Sci. 2017;146:127-171.	2017	2017/3/4	28253983	
72	Quantitative 3D Telomeric Imaging of Buccal Cells Reveals Alzheimer's Disease-Specific Signatures	Garcia A	J Alzheimers Dis. 2017;58(1):139-145.	2017	2017/4/8	28387668	*
73	Leukocyte telomere length is linked to vascular risk factors not to Alzheimer's disease in the VITA study	Hinterberger M	J Neural Transm (Vienna). 2017 Jul;124(7):809-819.	2017	2017/4/11	28393276	*
74	[Telomere-telomerase system in aging, norm and pathology (literature review)]	Pavlov KI	Adv Gerontol. 2017;30(1):17-26.	2017	2017/5/31	28557385	
75	In silico analyses of deleterious missense SNPs of human apolipoprotein E3	Pires AS	Sci Rep. 2017 May 30;7(1):2509.	2017	2017/6/1	28559539	
76	Vitamin C, Aging and Alzheimer's Disease	Monacelli F	Nutrients. 2017 Jun 27;9(7):670.	2017	2017/6/28	28654021	
77	Aging Microglia-Phenotypes, Functions and Implications for Age-Related Neurodegenerative Diseases	Spittau B	Front Aging Neurosci. 2017 Jun 14;9:194.	2017	2017/6/30	28659790	*
78	A Review of Biomarkers for Alzheimer's Disease in Down Syndrome	Lee NC	Neurol Ther. 2017 Jul;6(Suppl 1):69-81.	2017	2017/7/23	28733957	
79	Leukocyte telomere length in mild cognitive impairment and Alzheimer's disease patients	Scarabino D	Exp Gerontol. 2017 Nov;98:143-147.	2017	2017/8/23	28827085	*

80	Longitudinal telomere shortening and early Alzheimer's disease progression in adults with down syndrome	Jenkins EC	Am J Med Genet B Neuropsychiatr Genet. 2017 Dec;174(9):772-778.	2017	2017/9/1	28856789	*
81	Red blood cell distribution width: Genetic evidence for aging pathways in 116,666 volunteers	Pilling LC	PLoS One. 2017 Sep 28;12(9):e0185083.	2017	2017/9/29	28957414	
82	Is telomere length a biomarker of neurological disorders?	Thanseem I	Biomark Med. 2017 Sep;11(9):799-810.	2017	2019/1/24	30669856	
83	An improved method for detecting telomere size differences in T-lymphocyte interphases from older people with Down syndrome with and without mild cognitive impairment	Jenkins EC	Biol Methods Protoc. 2017 May 4;2(1):bpx005.	2017	2020/3/13	32161788	
84	Telomere longitudinal shortening as a biomarker for dementia status of adults with Down syndrome	Jenkins EC	Am J Med Genet B Neuropsychiatr Genet. 2016 May;171(2):160-74.	2016	2015/11/24	26593971	*
85	Molecular and biological hallmarks of ageing	Aunan JR	Br J Surg. 2016 Jan;103(2):e29-46.	2016	2016/1/16	26771470	
86	Aging of perennial cells and organ parts according to the programmed aging paradigm	Libertini G	Age (Dordr). 2016 Apr;38(2):35.	2016	2016/3/10	26957493	
87	Meta-analysis of Telomere Length in Alzheimer's Disease	Forero DA	J Gerontol A Biol Sci Med Sci. 2016 Aug;71(8):1069-73.	2016	2016/4/20	27091133	*
88	Telomere Shortening in Alzheimer's Disease Patients	Liu M	Ann Clin Lab Sci. 2016 May;46(3):260-5.	2016	2016/6/18	27312549	*
89	Abstracts from the 3rd International Genomic Medicine Conference (3rd IGMCM 2015) : Jeddah, Kingdom of Saudi Arabia. 30 November - 3 December 2015	Shay JW	BMC Genomics. 2016 Jul 20;17 Suppl 6(Suppl 6):487.	2016	2016/7/26	27454254	
90	Classifying Aging As a Disease: The Role of Microbes	Lustgarten MS	Front Genet. 2016 Dec 1;7:212.	2016	2016/12/20	27990156	
91	Possible Interventions to Modify Aging	Libertini G	Biochemistry (Mosc). 2016 Dec;81(12):1413-1428.	2016	2017/3/6	28259119	
92	New insights in amyloid beta interactions with human telomerase	Wang J	J Am Chem Soc. 2015 Jan 28;137(3):1213-9.	2015	2015/1/8	25564872	
93	The role of telomerase protein TERT in Alzheimer's disease and in tau-related pathology in vitro	Spilsbury A	J Neurosci. 2015 Jan 28;35(4):1659-74.	2015	2015/1/30	25632141	*
94	Telomere shortening in Down syndrome patients--when does it start?	Gruszecka A	DNA Cell Biol. 2015 Jun;34(6):412-7.	2015	2015/3/19	25786194	
95	From cellular senescence to Alzheimer's disease: The role of telomere shortening	Boccardi V	Ageing Res Rev. 2015 Jul;22:1-8.	2015	2015/4/22	25896211	*
96	Telomere length in blood cells is related to the chronicity, severity, and recurrence rate of schizophrenia	Pawelczyk T	Neuropsychiatr Dis Treat. 2015 Jun 22;11:1493-503.	2015	2015/7/8	26150720	

97	Leukocyte Telomere Length in Alzheimer's Disease Patients with a Different Rate of Progression	Tedone E	J Alzheimers Dis. 2015;46(3):761-9.	2015	2015/9/25	26402514	*
98	Telomere Length Shortening and Alzheimer Disease--A Mendelian Randomization Study	Zhan Y	JAMA Neurol. 2015 Oct;72(10):1202-3.	2015	2015/10/13	26457630	*
99	Three-dimensional quantitative imaging of telomeres in buccal cells identifies mild, moderate, and severe Alzheimer's disease patients	Mathur S	J Alzheimers Dis. 2014;39(1):35-48.	2014	2013/10/15	24121960	
100	Telomere shortening in neurological disorders: an abundance of unanswered questions	Eitan E	Trends Neurosci. 2014 May;37(5):256-63.	2014	2014/4/5	24698125	
101	Novel neuroendocrine and metabolic mechanism provides the patented platform for important rejuvenation therapies: targeted therapy of telomere attrition and lifestyle changes of telomerase activity with the timing of neuron-specific imidazole-containing dipeptide-dominant pharmaconutrition provision	Babizhayev MA	Recent Pat Endocr Metab Immune Drug Discov. 2014;8(3):153-79.	2014	2014/6/10	24910283	
102	Short and long telomeres increase risk of amnesic mild cognitive impairment	Roberts RO	Mech Ageing Dev. 2014 Nov-Dec;141-142:64-9.	2014	2014/12/3	25454987	*
103	Telomere length variations in aging and age-related diseases	Rizvi S	Curr Aging Sci. 2014;7(3):161-7.	2014	2015/1/24	25612739	*
104	Telomere shortening and Alzheimer's disease	Cai Z	Neuromolecular Med. 2013 Mar;15(1):25-48.	2013	2012/11/20	23161153	*
105	Accelerated cell aging in female APOE-ε4 carriers: implications for hormone therapy use	Jacobs EG	PLoS One. 2013;8(2):e54713.	2013	2013/2/19	23418430	*
106	Analysis of telomere length and subtelomeric methylation of circulating leukocytes in women with Alzheimer's disease	Guan JZ	Aging Clin Exp Res. 2013 Apr;25(1):17-23.	2013	2013/6/7	23740629	*
107	The role of polyphenols in the modulation of sirtuins and other pathways involved in Alzheimer's disease	Jayasena T	Ageing Res Rev. 2013 Sep;12(4):867-83.	2013	2013/7/9	23831960	
108	QTL mapping of leukocyte telomere length in American Indians: the Strong Heart Family Study	Zhu Y	Aging (Albany NY). 2013 Sep;5(9):704-16.	2013	2013/9/17	24036517	
109	The human leukocyte antigen class III haplotype approach: new insight in Alzheimer's disease inflammation hypothesis	Maggioli E	Curr Alzheimer Res. 2013 Dec;10(10):1047-56.	2013	2013/10/26	24156267	
110	Amyloid-β oligomers regulate the properties of human neural stem cells through GSK-3β signaling	Lee IS	Exp Mol Med. 2013 Nov 15;45(11):e60.	2013	2013/11/16	24232259	
111	Cognitive effects of cancer and its treatments at the intersection of aging: what do we know; what do we need to know?	Mandelblatt JS	Semin Oncol. 2013 Dec;40(6):709-25.	2013	2013/12/17	24331192	
112	Do telomeres adapt to physiological stress? Exploring the effect of exercise on telomere length and telomere-related proteins	Ludlow AT	Biomed Res Int. 2013;2013:601368.	2013	2014/1/24	24455708	*
113	Effect of vitamin E administration on the elevated oxygen stress and the telomeric and subtelomeric status in Alzheimer's disease	Guan JZ	Gerontology. 2012;58(1):62-9.	2012	2011/9/14	21912072	*

114	Association between ApoE phenotypes and telomere erosion in Alzheimer's disease	Takata Y	J Gerontol A Biol Sci Med Sci. 2012 Apr;67(4):330-5.	2012	2011/10/22	22016362	
115	Age-related changes in endothelial function and blood flow regulation	Toda N	Pharmacol Ther. 2012 Feb;133(2):159-76.	2012	2011/11/15	22079549	
116	Telomere length is age-dependent and reduced in monocytes of Alzheimer patients	Hochstrasser T	Exp Gerontol. 2012 Feb;47(2):160-3.	2012	2011/12/20	22178633	*
117	Gender and the regulation of longevity: implications for autoimmunity	Pan Z	Autoimmun Rev. 2012 May;11(6-7):A393-403.	2012	2011/12/21	22182796	
118	Leukocyte telomere length (LTL) is reduced in stable mild cognitive impairment but low LTL is not associated with conversion to Alzheimer's disease: a pilot study	Movérare-Skrtic S	Exp Gerontol. 2012 Feb;47(2):179-82.	2012	2012/1/3	22210159	*
119	Telomere length shortening in patients with dementia with Lewy bodies	Kume K	Eur J Neurol. 2012 Jun;19(6):905-10.	2012	2012/2/1	22288427	*
120	Chitinase enzyme activity in CSF is a powerful biomarker of Alzheimer disease	Watabe-Rudolph M	Neurology. 2012 Feb 21;78(8):569-77.	2012	2012/2/11	22323746	
121	Mild cognitive impairment identified in older individuals with Down syndrome by reduced telomere signal numbers and shorter telomeres measured in microns	Jenkins EC	Am J Med Genet B Neuropsychiatr Genet. 2012 Jul;159B(5):598-604.	2012	2012/5/18	22592955	
122	The Subtelomere of Short Telomeres is Hypermethylated in Alzheimer's Disease	Guan JZ	Aging Dis. 2012 Apr;3(2):164-70. Epub 2011 Dec 10.	2012	2012/6/23	22724077	*
123	Association of shorter leukocyte telomere repeat length with dementia and mortality	Honig LS	Arch Neurol. 2012 Oct;69(10):1332-9.	2012	2012/7/25	22825311	*
124	Telomere length and cognitive function in community-dwelling elders: findings from the Health ABC Study	Yaffe K	Neurobiol Aging. 2011 Nov;32(11):2055-60.	2011	2009/12/25	20031273	
125	Impact of cellular senescence signature on ageing research	Sikora E	Ageing Res Rev. 2011 Jan;10(1):146-52.	2011	2010/10/16	20946972	
126	Diet, nutrition and telomere length	Paul L	J Nutr Biochem. 2011 Oct;22(10):895-901.	2011	2011/3/25	21429730	
127	Dental X-ray exposure and Alzheimer's disease: a hypothetical etiological association	Rodgers CC	Med Hypotheses. 2011 Jul;77(1):29-34.	2011	2011/4/5	21458164	
128	Telomere shortening reduces Alzheimer's disease amyloid pathology in mice	Rolyan H	Brain. 2011 Jul;134(Pt 7):2044-56.	2011	2011/6/16	21672962	*
129	Probiotics-induced increase of large intestinal luminal polyamine concentration may promote longevity	Matsumoto M	Med Hypotheses. 2011 Oct;77(4):469-72.	2011	2011/7/13	21745717	

130	Caprylic acid in the effective treatment of intractable medical problems of frequent urination, incontinence, chronic upper respiratory infection, root canal tooth infection, ALS, etc., caused by asbestos & mixed infections of Candida albicans, Helicobacter pylori & cytomegalovirus with or without other microorganisms & mercury	Omura Y	Acupunct Electrother Res. 2011;36(1-2):19-64.	2011	2011/8/12	21830350	
131	Two Blood Monocytic Biomarkers (CCL15 and p21) Combined with the Mini-Mental State Examination Discriminate Alzheimer's Disease Patients from Healthy Subjects	Hochstrasser T	Dement Geriatr Cogn Dis Extra. 2011 Jan;1(1):297-309.	2011	2012/5/1	22545041	
132	Telomere length is not predictive of dementia or MCI conversion in the oldest old	Zekry D	Neurobiol Aging. 2010 Apr;31(4):719-20.	2010	2008/7/5	18599157	*
133	Shorter telomeres may indicate dementia status in older individuals with Down syndrome	Jenkins EC	Neurobiol Aging. 2010 May;31(5):765-71.	2010	2008/7/19	18635289	*
134	Telomere length and ApoE polymorphism in mild cognitive impairment, degenerative and vascular dementia	Zekry D	J Neurol Sci. 2010 Dec 15;299(1-2):108-11.	2010	2010/8/17	20709332	*
135	Do different neurons age differently? Direct genome-wide analysis of aging in single identified cholinergic neurons	Moroz LL	Front Aging Neurosci. 2010 May 19;2:6.	2010	2010/8/21	20725513	
136	Effects of transcutaneous electrical stimulation (1 pulse/sec) through custom-made disposable surface electrodes covering Omura's ST36 area of both legs on normal cell telomeres, oncogen C-fosAb2, integrin alpha5beta1, chlamydia trachomatis, etc. in breast cancer & alzheimer patients	Omura Y	Acupunct Electrother Res. 2010;35(3-4):147-85.	2010	2011/2/16	21319603	*
137	Grape seed polyphenols and curcumin reduce genomic instability events in a transgenic mouse model for Alzheimer's disease	Thomas P	Mutat Res. 2009 Feb 10;661(1-2):25-34.	2009	2008/11/26	19027755	*
138	Telomere length in peripheral blood mononuclear cells is associated with folate status in men	Paul L	J Nutr. 2009 Jul;139(7):1273-8.	2009	2009/5/22	19458030	
139	Comparisons of telomere lengths in peripheral blood and cerebellum in Alzheimer's disease	Lukens JN	Alzheimers Dement. 2009 Nov;5(6):463-9.	2009	2009/11/10	19896585	*
140	Telomere length in white blood cells, buccal cells and brain tissue and its variation with ageing and Alzheimer's disease	Thomas P	Mech Ageing Dev. 2008 Apr;129(4):183-90.	2008	2008/2/5	18242664	*
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142	Reduced telomere length in older men with premutation alleles of the fragile X mental retardation 1 gene	Jenkins EC	Am J Med Genet A. 2008 Jun 15;146A(12):1543-6.	2008	2008/5/15	18478592	*
143	A percentage analysis of the telomere length in Parkinson's disease patients	Guan JZ	J Gerontol A Biol Sci Med Sci. 2008 May;63(5):467-73.	2008	2008/5/31	18511749	
144	Increased "absence" of telomeres may indicate Alzheimer's disease/dementia status in older individuals with Down syndrome	Jenkins EC	Neurosci Lett. 2008 Aug 8;440(3):340-3.	2008	2008/6/24	18571319	*

145	Short telomeres in patients with chronic schizophrenia who show a poor response to treatment	Yu WY	J Psychiatry Neurosci. 2008 May;33(3):244-7.	2008	2008/7/2	18592039	
146	Relative telomere length in patients with late-onset Alzheimer's dementia or vascular dementia	Löf-Ohlin ZM	Neuroreport. 2008 Aug 6;19(12):1199-202.	2008	2008/7/17	18628664	*
147	Reduced telomere length variation in healthy oldest old	Halaschek-Wiener J	Mech Ageing Dev. 2008 Nov;129(11):638-41.	2008	2008/9/4	18765247	
148	Is the time dimension of the cell cycle re-entry in AD regulated by centromere cohesion dynamics?	Bajić VP	Biosci Hypotheses. 2008;1(3):156-161.	2008	2009/1/6	19122823	
149	Human embryonic stem cells: long term stability, absence of senescence and a potential cell source for neural replacement	Zeng X	Neuroscience. 2007 Apr 14;145(4):1348-58.	2007	2006/10/24	17055653	
150	A review of genome mutation and Alzheimer's disease	Thomas P	Mutagenesis. 2007 Jan;22(1):15-33.	2007	2006/12/13	17158517	
151	DNA damage responses in neural cells: Focus on the telomere	Zhang P	Neuroscience. 2007 Apr 14;145(4):1439-48.	2007	2007/1/9	17207936	
152	Acridine and acridone derivatives, anticancer properties and synthetic methods: where are we now?	Belmont P	Anticancer Agents Med Chem. 2007 Mar;7(2):139-69.	2007	2007/3/14	17348825	
153	Evidence that aging and amyloid promote microglial cell senescence	Flanary BE	Rejuvenation Res. 2007 Mar;10(1):61-74.	2007	2007/3/24	17378753	*
154	Accelerated telomere erosion is associated with a declining immune function of caregivers of Alzheimer's disease patients	Damjanovic AK	J Immunol. 2007 Sep 15;179(6):4249-54.	2007	2007/9/6	17785865	*
155	Telomere shortening in T lymphocytes of older individuals with Down syndrome and dementia	Jenkins EC	Neurobiol Aging. 2006 Jul;27(7):941-5.	2006	2005/7/28	16046031	
156	Shorter telomeres are associated with mortality in those with APOE epsilon4 and dementia	Honig LS	Ann Neurol. 2006 Aug;60(2):181-7.	2006	2006/6/30	16807921	*
157	Asbestos as a possible major cause of malignant lung tumors (including small cell carcinoma, adenocarcinoma & mesothelioma), brain tumors (i.e. astrocytoma & glioblastoma multiforme), many other malignant tumors, intractable pain including fibromyalgia, & some cardio-vascular pathology: Safe & effective methods of reducing asbestos from normal & pathological areas	Omura Y	Acupunct Electrother Res. 2006;31(1-2):61-125.	2006	2006/10/27	17063831	
158	Telomeres and telomerase in Alzheimer's disease: epiphenomena or a new focus for therapeutic strategy?	Franco S	Alzheimers Dement. 2006 Jul;2(3):164-8.	2006	2009/7/15	19595878	
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162	The Institute for Ageing and Health, University of Newcastle, UK	Edwardson JA	Exp Gerontol. 2002 Jun;37(6):749-56.	2002	2002/8/15	12175475	*
163	Allelic association between the D10S1423 marker and Alzheimer's disease in a German population	Majores M	Neurosci Lett. 2000 Aug 11;289(3):224-6.	2000	2000/8/29	10961670	
164	Short telomeres in patients with vascular dementia: an indicator of low antioxidative capacity and a possible risk factor?	von Zglinicki T	Lab Invest. 2000 Nov;80(11):1739-47.	2000	2000/11/25	11092534	*
165	The evolution of aging: a new approach to an old problem of biology	Bowles JT	Med Hypotheses. 1998 Sep;51(3):179-221.	1998	1998/10/29	9792199	
166	Telomere shortening, ageing, and chromosome damage	Kormann-Bortolotto MH	Mech Ageing Dev. 1996 Jul 31;89(1):45-9.	1996	1996/7/31	8819105	*
167	Genetic linkage map of human chromosome 21	Tanzi RE	Genomics. 1988 Aug;3(2):129-36.	1988	1988/8/1	2906323	*

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No.	Title	First Author	Journal/Book/Page	Publication Year	Create Date	PMID	High Relevance
1	Association between telomere length and Parkinson's disease: a Mendelian randomization study	Chen R	Neurobiol Aging. 2021 Jan;97:144.e9-144.e11.	2021	2020/8/25	32829966	*
2	Genes causing congenital hydrocephalus: Their chromosomal characteristics of telomere proximity and DNA compositions	McKnight I	Exp Neurol. 2021 Jan;335:113523.	2021	2020/11/6	33157092	
3	Increased telomerase improves motor function and alpha-synuclein pathology in a transgenic mouse model of Parkinson's disease associated with enhanced autophagy	Wan T	Prog Neurobiol. 2021 Apr;199:101953.	2021	2020/11/14	33188884	
4	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	*
5	Defective Autophagy and Mitophagy in Aging and Alzheimer's Disease	Tran M	Front Neurosci. 2021 Jan 8;14:612757.	2021	2021/1/25	33488352	
6	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	
7	Anti-aging Natural Compounds and their Role in the Regulation of Metabolic Pathways Leading to Longevity	Muzammil A	Mini Rev Med Chem. 2021;21(18):2630-2656.	2021	2021/4/6	33820505	
8	Telomerase in Brain: The New Kid on the Block and Its Role in Neurodegenerative Diseases	Saretzki G	Biomedicines. 2021 Apr 29;9(5):490.	2021	2021/5/5	33946850	

9	Factors Associated with Mutations: Their Matching Rates to Cardiovascular and Neurological Diseases	Lucas HB	Int J Mol Sci. 2021 May 11;22(10):5057.	2021	2021/6/2	34064609	
10	Increased telomere length in patients with frontotemporal dementia syndrome	Kim EJ	J Neurol Sci. 2021 Sep 15;428:117565.	2021	2021/7/26	34311139	
11	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	
12	T lymphocyte senescence is attenuated in Parkinson's disease	Kouli A	J Neuroinflammation. 2021 Oct 13;18(1):228.	2021	2021/10/14	34645462	
13	[Experimental studies of geroprotective and anti-aging effects of chemical compounds of Portulaca oleracea L. (review).]	Berezutsky MA	Adv Gerontol. 2021;34(5):715-720.	2021	2022/1/8	34998009	
14	Role of Senescence and Neuroprotective Effects of Telomerase in Neurodegenerative Diseases	Ding X	Rejuvenation Res. 2020 Apr;23(2):150-158.	2020	2019/6/8	31170886	
15	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	
16	Human telomerase reverse transcriptase positively regulates mitophagy by inhibiting the processing and cytoplasmic release of mitochondrial PINK1	Shin WH	Cell Death Dis. 2020 Jun 8;11(6):425.	2020	2020/6/10	32513926	
17	Telomere Attrition in Neurodegenerative Disorders	Levstek T	Front Cell Neurosci. 2020 Jul 15;14:219.	2020	2020/8/8	32760251	*
18	Accelerated telomere shortening independent of LRRK2 variants in Chinese patients with Parkinson's disease	Wu Y	Aging (Albany NY). 2020 Oct 29;12(20):20483-20492.	2020	2020/10/30	33122450	*
19	Transcriptomics in tissue glucocorticoid sensitivity	Nicolaidis NC	Eur J Clin Invest. 2019 Aug;49(8):e13129.	2019	2019/5/16	31091335	
20	Telomeres in neurological disorders	Anitha A	Adv Clin Chem. 2019;90:81-132.	2019	2019/5/25	31122612	*
21	Evaluation of oxidative stress mechanisms and the effects of phytotherapeutic extracts on Parkinson's disease Drosophila PINK1(B9) model	Baroli B	FASEB J. 2019 Oct 1;33(10):11028-11034.	2019	2019/7/12	31291788	
22	Mechanisms and treatment of late-life depression	Alexopoulos GS	Transl Psychiatry. 2019 Aug 5;9(1):188.	2019	2019/8/7	31383842	
23	Ageing as a risk factor for neurodegenerative disease	Hou Y	Nat Rev Neurol. 2019 Oct;15(10):565-581.	2019	2019/9/11	31501588	
24	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	
25	The Neuro-Immuno-Senescence Integrative Model (NISIM) on the Negative Association Between Parasympathetic Activity and Cellular Senescence	Ask TF	Front Neurosci. 2018 Oct 9;12:726.	2018	2018/10/30	30369866	

26	MicroRNAs, Aging, Cellular Senescence, and Alzheimer's Disease	Reddy PH	Prog Mol Biol Transl Sci. 2017;146:127-171.	2017	2017/3/4	28253983	
27	Aging Microglia-Phenotypes, Functions and Implications for Age-Related Neurodegenerative Diseases	Spittau B	Front Aging Neurosci. 2017 Jun 14;9:194.	2017	2017/6/30	28659790	
28	Red blood cell distribution width: Genetic evidence for aging pathways in 116,666 volunteers	Pilling LC	PLoS One. 2017 Sep 28;12(9):e0185083.	2017	2017/9/29	28957414	
29	CRISPR-Cas9 Mediated Telomere Removal Leads to Mitochondrial Stress and Protein Aggregation	Kim H	Int J Mol Sci. 2017 Oct 3;18(10):2093.	2017	2017/10/4	28972555	
30	Is telomere length a biomarker of neurological disorders?	Thanseem I	Biomark Med. 2017 Sep;11(9):799-810.	2017	2019/1/24	30669856	
31	Telomere length in Parkinson's disease: A meta-analysis	Forero DA	Exp Gerontol. 2016 Mar;75:53-5.	2016	2016/1/17	26772888	*
32	Aging of perennial cells and organ parts according to the programmed aging paradigm	Libertini G	Age (Dordr). 2016 Apr;38(2):35.	2016	2016/3/10	26957493	
33	Telomere shortening leads to an acceleration of synucleinopathy and impaired microglia response in a genetic mouse model	Scheffold A	Acta Neuropathol Commun. 2016 Aug 22;4(1):87.	2016	2016/8/24	27550225	*
34	Generating Late-Onset Human iPSC-Based Disease Models by Inducing Neuronal Age-Related Phenotypes through Telomerase Manipulation	Vera E	Cell Rep. 2016 Oct 18;17(4):1184-1192.	2016	2016/10/21	27760320	
35	Possible Interventions to Modify Aging	Libertini G	Biochemistry (Mosc). 2016 Dec;81(12):1413-1428.	2016	2017/3/6	28259119	
36	Telomere length and Parkinson's disease in men: a nested case-control study	Schürks M	Eur J Neurol. 2014;21(1):93-9.	2014	2013/9/10	24010387	*
37	Substantial telomere shortening in the substantia nigra of telomerase-deficient mice does not increase susceptibility to MPTP-induced dopamine depletion	Oeckl P	Neuroreport. 2014 Mar 26;25(5):335-9.	2014	2014/2/15	24525820	
38	Telomere shortening in neurological disorders: an abundance of unanswered questions	Eitan E	Trends Neurosci. 2014 May;37(5):256-63.	2014	2014/4/5	24698125	*
39	Molecular mechanisms of ageing and related diseases	Liu JP	Clin Exp Pharmacol Physiol. 2014 Jul;41(7):445-58.	2014	2014/5/7	24798238	*
40	[The study of telomere length in patients with Parkinson's disease]	Koliada AK	Zh Nevrol Psikhiatr Im S S Korsakova. 2014;114(8):58-61.	2014	2014/10/28	25345632	
41	Long leukocyte telomere length at diagnosis is a risk factor for dementia progression in idiopathic parkinsonism	Degerman S	PLoS One. 2014 Dec 12;9(12):e113387.	2014	2014/12/16	25501556	*
42	Older adults with higher income or marriage have longer telomeres	Yen YC	Age Ageing. 2013 Mar;42(2):234-9.	2013	2012/9/7	22951603	
43	Aging-associated alteration of telomere length and subtelomeric status in female patients with Parkinson's disease	Maeda T	J Neurogenet. 2012 Jun;26(2):245-51.	2012	2012/2/28	22364520	*

44	Structural basis of telomeric RNA quadruplex--acridine ligand recognition	Collie GW	J Am Chem Soc. 2011 Mar 2;133(8):2721-8.	2011	2011/2/5	21291211	
45	Diet, nutrition and telomere length	Paul L	J Nutr Biochem. 2011 Oct;22(10):895-901.	2011	2011/3/25	21429730	
46	Study of telomere length and different markers of oxidative stress in patients with Parkinson's disease	Watfa G	J Nutr Health Aging. 2011 Apr;15(4):277-81.	2011	2011/3/26	21437559	*
47	No evidence of substantia nigra telomere shortening in Parkinson's disease	Hudson G	Neurobiol Aging. 2011 Nov;32(11):2107.e3-5.	2011	2011/7/29	21794951	*
48	No evidence for shorter leukocyte telomere length in Parkinson's disease patients	Eerola J	J Gerontol A Biol Sci Med Sci. 2010 Nov;65(11):1181-4.	2010	2010/7/20	20639300	*
49	Telomere length in peripheral blood mononuclear cells is associated with folate status in men	Paul L	J Nutr. 2009 Jul;139(7):1273-8.	2009	2009/5/22	19458030	
50	Aging-associated alteration of subtelomeric methylation in Parkinson's disease	Maeda T	J Gerontol A Biol Sci Med Sci. 2009 Sep;64(9):949-55.	2009	2009/6/9	19502593	*
51	Telomere length and risk of Parkinson's disease	Wang H	Mov Disord. 2008 Jan 30;23(2):302-5.	2008	2007/11/30	18044760	*
52	A percentage analysis of the telomere length in Parkinson's disease patients	Guan JZ	J Gerontol A Biol Sci Med Sci. 2008 May;63(5):467-73.	2008	2008/5/31	18511749	*
53	Human embryonic stem cells: long term stability, absence of senescence and a potential cell source for neural replacement	Zeng X	Neuroscience. 2007 Apr 14;145(4):1348-58.	2007	2006/10/24	17055653	
54	High-resolution genetic, physical, and transcript map of the mnd2 region of mouse chromosome 6	Weber JS	Genomics. 1998 Nov 15;54(1):107-15.	1998	1998/11/10	9806835	