Abraham Aviv

List of Publications by Year
in descending order

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124 papers	14,602 citations	22153 59 h-index	21540 114 g-index

130 all docs	130 docs citations	130 times ranked	13510 citing authors

#	Article	IF	Citations
1	Genetic determinants of telomere length from 109,122 ancestrally diverse whole-genome sequences in TOPMed. Cell Genomics, 2022, 2, 100084.	6.5	29
2	Telomere-length dependent T-cell clonal expansion: A model linking ageing to COVID-19 T-cell lymphopenia and mortality. EBioMedicine, 2022, 78, 103978.	6.1	16
3	The telomere tumult: meaning and metrics in population studies. The Lancet Healthy Longevity, 2022, 3, e308-e309.	4.6	0
4	Measurement of Telomere Length for Longitudinal Analysis: Implications of Assay Precision. American Journal of Epidemiology, 2021, 190, 1406-1413.	3.4	28
5	The Nexus Between Telomere Length and Lymphocyte Count in Seniors Hospitalized With COVID-19. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, e97-e101.	3.6	25
6	The age pattern of the male-to-female ratio in mortality from COVID-19 mirrors that of cardiovascular disease in the general population. Aging, 2021, 13, 3190-3201.	3.1	10
7	Telomeres and replicative cellular aging of the human placenta and chorioamniotic membranes. Scientific Reports, 2021, 11, 5115.	3.3	8
8	Telomere Dynamics and Telomerase in the Biology of Hair Follicles and their Stem Cells as a Model for Aging Research. Journal of Investigative Dermatology, 2021, 141, 1031-1040.	0.7	13
9	Short telomeres and severe COVID-19: The connection conundrum. EBioMedicine, 2021, 70, 103513.	6.1	13
10	Determinants of telomere length across human tissues. Science, 2020, 369, .	12.6	257
11	Genetics and geography of leukocyte telomere length in sub-Saharan Africans. Human Molecular Genetics, 2020, 29, 3014-3020.	2.9	5
12	Telomeres and COVIDâ€19. FASEB Journal, 2020, 34, 7247-7252.	0.5	59
13	Association of Leukocyte Telomere Length With Mortality Among Adult Participants in 3 Longitudinal Studies. JAMA Network Open, 2020, 3, e200023.	5.9	62
14	Telomere length tracking in children and their parents: implications for adult onset diseases. FASEB Journal, 2019, 33, 14248-14253.	0.5	42
15	Shortened leukocyte telomere length is associated with reduced pulmonary function and greater subsequent decline in function in a sample of World Trade Center responders. Scientific Reports, 2019, 9, 8148.	3.3	6
16	Smoking does not accelerate leucocyte telomere attrition: a meta-analysis of 18 longitudinal cohorts. Royal Society Open Science, 2019, 6, 190420.	2.4	33
17	DNA methylation GrimAge strongly predicts lifespan and healthspan. Aging, 2019, 11, 303-327.	3.1	1,128
18	Hemothelium, Clonal Hematopoiesis of Indeterminate Potential, and Atherosclerosis. Circulation, 2019, 139, 7-9.	1.6	24

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19	DNA methylation-based estimator of telomere length. Aging, 2019, 11, 5895-5923.	3.1	198
20	Epigenome-wide association study of leukocyte telomere length. Aging, 2019, 11, 5876-5894.	3.1	19
21	Clonal Hematopoiesis Confers Predisposition to Both Cardiovascular Disease and Cancer. Annals of Internal Medicine, 2019, 170, 356.	3.9	1
22	Response by Benetos et al to Letter Regarding Article, â€œShort Leukocyte Telomere Length Precedes Clinical Expression of Atherosclerosis: The Blood-and-Muscle Modelâ€. Circulation Research, 2018, 122, e73-e74.	4.5	4
23	GWAS of epigenetic aging rates in blood reveals a critical role for TERT. Nature Communications, 2018, 9, 387.	12.8	151
24	Reflections on telomere dynamics and ageing-related diseases in humans. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20160436.	4.0	131
25	The mitochondrial genome, paternal age and telomere length in humans. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170210.	4.0	14
26	Telomere length dynamics in early life: the bloodâ€andâ€muscle model. FASEB Journal, 2018, 32, 529-534.	0.5	44
27	Short Leukocyte Telomere Length Precedes Clinical Expression of Atherosclerosis. Circulation Research, 2018, 122, 616-623.	4.5	74
28	An epigenetic biomarker of aging for lifespan and healthspan. Aging, 2018, 10, 573-591.	3.1	1,552
29	Rapid shortening of leukocyte telomeres is associated with poorer pulmonary function among healthy adults. Respiratory Medicine, 2018, 145, 73-79.	2.9	6
30	Epigenetic clock for skin and blood cells applied to Hutchinson Gilford Progeria Syndrome and ex vivo studies. Aging, 2018, 10, 1758-1775.	3.1	406
31	Association Between Telomere Length and Risk of Cancer and Non-Neoplastic Diseases. JAMA Oncology, 2017, 3, 636.	7.1	376
32	Ancestry, Telomere Length, and Atherosclerosis Risk. Circulation: Cardiovascular Genetics, 2017, 10, .	5.1	17
33	Short Telomeres, but Not Telomere Attrition Rates, Are Associated With Carotid Atherosclerosis. Hypertension, 2017, 70, 420-425.	2.7	53
34	Mutations, Cancer and the Telomere Length Paradox. Trends in Cancer, 2017, 3, 253-258.	7.4	101
35	Leukocyte telomere length and cardiovascular disease in African Americans: The Jackson Heart Study. Atherosclerosis, 2017, 266, 41-47.	0.8	30
36	Environmental Exposures, Telomere Length at Birth, and Disease Susceptibility in Later Life. JAMA Pediatrics, 2017, 171, 1143.	6.2	9

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37	Telomere Length and Risk of Cancer and Non-neoplastic Diseases: Is Survivin the Ariadne's Thread?â€"Reply. JAMA Oncology, 2017, 3, 1741.	7.1	150
38	A null mutation in SERPINE1 protects against biological aging in humans. Science Advances, 2017, 3, eaao1617.	10.3	95
39	Acne and Telomere Length: A New Spectrum between Senescence and Apoptosis Pathways. Journal of Investigative Dermatology, 2017, 137, 513-515.	0.7	6
40	Correlation of Leukocyte Telomere Length Measurement Methods in Patients with Dyskeratosis Congenita and in Their Unaffected Relatives. International Journal of Molecular Sciences, 2017, 18, 1765.	4.1	42
41	Telomeres and the natural lifespan limit in humans. Aging, 2017, 9, 1130-1142.	3.1	82
42	Leukocyte telomere length, T cell composition and DNA methylation age. Aging, 2017, 9, 1983-1995.	3.1	42
43	A short leucocyte telomere length is associated with development of insulin resistance. Diabetologia, 2016, 59, 1258-1265.	6.3	77
44	<scp>DNA</scp> methylation age is associated with mortality in aÂlongitudinal Danish twin study. Aging Cell, 2016, 15, 149-154.	6.7	260
45	Response to: Reliability and validity of telomere length measurements. International Journal of Epidemiology, 2016, 45, 1298-1301.	1.9	28
46	Non-Dynamic Association of Depressive and Anxiety Disorders With Leukocyte Telomere Length?. American Journal of Psychiatry, 2016, 173, 1147-1147.	7.2	6
47	Leukocyte Telomere Length in Newborns: Implications for the Role of Telomeres in Human Disease. Pediatrics, 2016, 137, .	2.1	182
48	Shorter telomere length in Europeans than in Africans due to polygenetic adaptation. Human Molecular Genetics, 2016, 25, 2324-2330.	2.9	86
49	Increased attrition of leukocyte telomere length in young adults is associated with poorer cognitive function in midlife. European Journal of Epidemiology, 2016, 31, 147-157.	5.7	28
50	Telomere Length and the Cancerâ€"Atherosclerosis Trade-Off. PLoS Genetics, 2016, 12, e1006144.	3.5	72
51	Telomere length measurement by a novel Luminex-based assay: a blinded comparison to Southern blot. International Journal of Molecular Epidemiology and Genetics, 2016, 7, 18-23.	0.4	12
52	Commentary: The reliability of telomere length measurements. International Journal of Epidemiology, 2015, 44, 1683-1686.	1.9	70
53	Height and Bone Mineral Density Are Associated with Naevus Count Supporting the Importance of Growth in Melanoma Susceptibility. PLoS ONE, 2015, 10, e0116863.	2.5	19
54	Leukocyte telomere length dynamics in women and men: menopause vs age effects. International Journal of Epidemiology, 2015, 44, 1688-1695.	1.9	87

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55	DCAF4, a novel gene associated with leucocyte telomere length. Journal of Medical Genetics, 2015, 52, 157-162.	3.2	66
56	Leukocyte Telomere Length and Risks of Incident Coronary Heart Disease and Mortality in a Racially Diverse Population of Postmenopausal Women. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 2225-2231.	2.4	53
57	Leukocyte Telomere Length and Coronary Artery Calcium. American Journal of Cardiology, 2015, 116, 214-218.	1.6	39
58	Paternal age and telomere length in twins: the germ stem cell selection paradigm. Aging Cell, 2015, 14, 701-703.	6.7	38
59	The heritability of leucocyte telomere length dynamics. Journal of Medical Genetics, 2015, 52, 297-302.	3.2	152
60	Telomeres, Atherosclerosis, and Human Longevity. Epidemiology, 2015, 26, 295-299.	2.7	54
61	Association Between Shortened Leukocyte Telomere Length and Cardio-Metabolic Outcomes. Circulation: Cardiovascular Genetics, 2015, 8, 4-7.	5.1	31
62	The transcriptional landscape of age in human peripheral blood. Nature Communications, 2015, 6, 8570.	12.8	533
63	Sex difference in leukocyte telomere length is ablated in opposite-sex co-twins. International Journal of Epidemiology, 2014, 43, 1799-1805.	1.9	31
64	Estimating telomere length from whole genome sequence data. Nucleic Acids Research, 2014, 42, e75-e75.	14.5	151
65	Stromal Cellâ€“Derived Factor 1 as a Biomarker of Heart Failure and Mortality Risk. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 2100-2105.	2.4	65
66	Association of Leukocyte Telomere Length with Fatigue in Nondisabled Older Adults. Journal of Aging Research, 2014, 2014, 1-8.	0.9	5
67	Comparison Between Southern Blots and qPCR Analysis of Leukocyte Telomere Length in the Health ABC Study. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, 527-531.	3.6	70
68	Leukocyte telomere dynamics in the elderly. European Journal of Epidemiology, 2013, 28, 181-187.	5.7	27
69	Do leukocyte telomere length dynamics depend on baseline telomere length? An analysis that corrects for â€˜regression to the meanâ€™. European Journal of Epidemiology, 2013, 28, 859-866.	5.7	113
70	Leukocyte telomere length and coronary artery calcification in Palestinians. Atherosclerosis, 2013, 229, 363-368.	0.8	30
71	Tracking and fixed ranking of leukocyte telomere length across the adult life course. Aging Cell, 2013, 12, 615-621.	6.7	197
72	Leukocyte Telomere Length and the Father's Age Enigma: Implications for Population Health and for Life Course. International Journal of Epidemiology, 2013, 42, 457-462.	1.9	66

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73	Telomeres shorten at equivalent rates in somatic tissues of adults. Nature Communications, 2013, 4, 1597.	12.8	502
74	The telomere lengthening conundrumâ€"artifact or biology?. Nucleic Acids Research, 2013, 41, e131-e131.	14.5	111
75	Energy intake and leukocyte telomere length in young adults. American Journal of Clinical Nutrition, 2012, 95, 479-487.	4.7	77
76	Divergence of sperm and leukocyte age-dependent telomere dynamics: implications for male-driven evolution of telomere length in humans. Molecular Human Reproduction, 2012, 18, 517-522.	2.8	90
77	Genome-wide meta-analysis points to CTC1 and ZNF676 as genes regulating telomere homeostasis in humans. Human Molecular Genetics, 2012, 21, 5385-5394.	2.9	210
78	Telomeres, Atherosclerosis, and the Hemothelium: The Longer View. Annual Review of Medicine, 2012, 63, 293-301.	12.2	35
79	Genetics of leukocyte telomere length and its role in atherosclerosis. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2012, 730, 68-74.	1.0	122
80	Impartial comparative analysis of measurement of leukocyte telomere length/DNA content by Southern blots and qPCR. Nucleic Acids Research, 2011, 39, e134-e134.	14.5	300
81	A model of canine leukocyte telomere dynamics. Aging Cell, 2011, 10, 991-995.	6.7	34
82	Leukocyte Telomere Length and Mortality in the Cardiovascular Health Study. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2011, 66A, 421-429.	3.6	235
83	Synchrony of telomere length among hematopoietic cells. Experimental Hematology, 2010, 38, 854-859.	0.4	131
84	Measurement of telomere length by the Southern blot analysis of terminal restriction fragment lengths. Nature Protocols, 2010, 5, 1596-1607.	12.0	378
85	Genome-wide association identifies OBFC1 as a locus involved in human leukocyte telomere biology. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9293-9298.	7.1	244
86	Leukocyte telomere length is inversely correlated with plasma Von Willebrand factor. Thrombosis Research, 2010, 125, e339-e342.	1.7	8
87	Common variants near TERC are associated with mean telomere length. Nature Genetics, 2010, 42, 197-199.	21.4	296
88	Insulin-Like Growth Factors and Leukocyte Telomere Length: The Cardiovascular Health Study. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2009, 64A, 1103-1106.	3.6	23
89	Commentary: Raising the bar on telomere epidemiology. International Journal of Epidemiology, 2009, 38, 1735-1736.	1.9	19
90	Leukocyte telomere dynamics and human hematopoietic stem cell kinetics during somatic growth. Experimental Hematology, 2009, 37, 514-524.	0.4	114

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91	Leukocyte telomeres are longer in AfricanÂAmericans than in whites: the National Heart, Lung, and Blood Institute Family Heart Study and the Bogalusa Heart Study. Aging Cell, 2008, 7, 451-458.	6.7	263
92	Response to Letter Regarding Article, â€œAssociation of Leukocyte Telomere Length With Circulating Biomarkers of the Renin-Angiotensin-Aldosterone System: The Framingham Heart Studyâ€• Circulation, 2008, 118, .	1.6	1
93	Offspring's Leukocyte Telomere Length, Paternal Age, and Telomere Elongation in Sperm. PLoS Genetics, 2008, 4, e37.	3.5	224
94	Telomere Length and Mortality: A Study of Leukocytes in Elderly Danish Twins. American Journal of Epidemiology, 2008, 167, 799-806.	3.4	250
95	Leukocyte Telomere Dynamics: Longitudinal Findings Among Young Adults in the Bogalusa Heart Study. American Journal of Epidemiology, 2008, 169, 323-329.	3.4	248
96	Association of Leukocyte Telomere Length With Circulating Biomarkers of the Renin-Angiotensin-Aldosterone System. Circulation, 2008, 117, 1138-1144.	1.6	111
97	The Epidemiology of Human Telomeres: Faults and Promises. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2008, 63, 979-983.	3.6	107
98	Nevus Size and Number Are Associated with Telomere Length and Represent Potential Markers of a Decreased Senescence In vivo. Cancer Epidemiology Biomarkers and Prevention, 2007, 16, 1499-1502.	2.5	115
99	Telomere Dynamics in Macaques and Humans. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2007, 62, 367-374.	3.6	87
100	Cardiovascular diseases, aging, and the gender gap in human longevity. Journal of the American Society of Hypertension, 2007, 1, 185-188.	2.3	5
101	Telomeres and Human Somatic Fitness. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2006, 61, 871-873.	3.6	97
102	Menopause Modifies the Association of Leukocyte Telomere Length with Insulin Resistance and Inflammation. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 635-640.	3.6	158
103	Human telomere biology: pitfalls of moving from the laboratory to epidemiology. International Journal of Epidemiology, 2006, 35, 1424-1429.	1.9	161
104	Urinary Potassium Excretion and Sodium Sensitivity in Blacks. Hypertension, 2004, 43, 707-713.	2.7	114
105	Sodium glomerulopathy: Tubuloglomerular feedback and renal injury in African Americans. Kidney International, 2004, 65, 361-368.	5.2	54
106	Telomere length and possible link to X chromosome. Lancet, The, 2004, 363, 507-510.	13.7	341
107	Telomeres and Human Aging: Facts and Fibs. Science of Aging Knowledge Environment: SAGE KE, 2004, 2004, pe43.	0.8	150
108	Growth, telomere dynamics and successful and unsuccessful human aging. Mechanisms of Ageing and Development, 2003, 124, 829-837.	4.6	56

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109	Telomere Length in the Newborn. Pediatric Research, 2002, 52, 377-381.	2.3	426
110	Chronology Versus Biology. Hypertension, 2002, 40, 229-232.	2.7	73
111	Salt consumption, reactive oxygen species and cardiovascular ageing: a hypothetical link. Journal of Hypertension, 2002, 20, 555-559.	0.5	29
112	Telomeres, sex, reactive oxygen species, and human cardiovascular aging. Journal of Molecular Medicine, 2002, 80, 689-695.	3.9	118
113	Telomere Length in the Newborn. Pediatric Research, 2002, 52, 377-381.	2.3	62
114	How long should telomeres be?. Current Hypertension Reports, 2001, 3, 145-151.	3.5	16
115	Telomeres: The time factor in essential hypertension. Current Hypertension Reports, 2001, 3, 33-35.	3.5	3
116	Telomere Length Inversely Correlates With Pulse Pressure and Is Highly Familial. Hypertension, 2000, 36, 195-200.	2.7	327
117	The relationship between Ca2+-ATPase and freely exchangeable Ca2+ in the dense tubules A study in platelets from women. American Journal of Hypertension, 1999, 12, 120-127.	2.0	0
118	Lack of Difference in Oxalate-Dependent Ca2+ Uptake by Membrane Homogenate of African-American and White Subjects. American Journal of Hypertension, 1997, 10, 434-439.	2.0	0
119	Cellular calcium and sodium regulation, saltâ€sensitivity and essential hypertension in African Americans. Ethnicity and Health, 1996, 1, 275-281.	2.5	8
120	Characterization of Na+-K+ homeostasis of cultured human skin fibroblasts in the presence and absence of fetal bovine serum. Journal of Cellular Physiology, 1992, 151, 427-432.	4.1	4
121	Differences of Ca2+ regulation in skin fibroblasts from blacks and whites. Journal of Cellular Physiology, 1989, 138, 367-374.	4.1	20
122	Calcium mobilization and Na+ /H+ antiport activation by endothelin in human skin fibroblasts. FEBS Letters, 1989, 256, 38-42.	2.8	21
123	Sodium 22+ washout from cultured rat cells. Journal of Cellular Physiology, 1986, 129, 1-10.	4.1	3
124	The Effect of Melittin on Na⁺and Rb⁺Transport in Cultured Skin Fibroblasts of the Spontaneously Hypertensive Rat. Clinical and Experimental Hypertension, 1985, 7, 1283-1299.	0.3	0