

Abraham Aviv

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

124
papers

10,143
citations

55
h-index

100
g-index

130
ext. papers

12,549
ext. citations

8.1
avg, IF

6.33
L-index

#	Paper	IF	Citations
124	Genetic determinants of telomere length from 109,122 ancestrally diverse whole-genome sequences in TOPMed.. <i>Cell Genomics</i> , 2022 , 2, 100084-100084		1
123	Telomere-length dependent T-cell clonal expansion: A model linking ageing to COVID-19 T-cell lymphopenia and mortality.. <i>EBioMedicine</i> , 2022 , 78, 103978	8.8	1
122	The telomere tumult: meaning and metrics in population studies. <i>The Lancet Healthy Longevity</i> , 2022 , 3, e308-e309	9.5	
121	Telomere Dynamics and Telomerase in the Biology of Hair Follicles and their Stem Cells as a Model for Aging Research. <i>Journal of Investigative Dermatology</i> , 2021 , 141, 1031-1040	4.3	1
120	Measurement of Telomere Length for Longitudinal Analysis: Implications of Assay Precision. <i>American Journal of Epidemiology</i> , 2021 , 190, 1406-1413	3.8	8
119	The Nexus Between Telomere Length and Lymphocyte Count in Seniors Hospitalized With COVID-19. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 , 76, e97-e101	6.4	5
118	The age pattern of the male-to-female ratio in mortality from COVID-19 mirrors that of cardiovascular disease in the general population. <i>Aging</i> , 2021 , 13, 3190-3201	5.6	4
117	Telomeres and replicative cellular aging of the human placenta and chorioamniotic membranes. <i>Scientific Reports</i> , 2021 , 11, 5115	4.9	2
116	Short telomeres and severe COVID-19: The connection conundrum. <i>EBioMedicine</i> , 2021 , 70, 103513	8.8	4
115	Telomeres and COVID-19. <i>FASEB Journal</i> , 2020 , 34, 7247-7252	0.9	39
114	Association of Leukocyte Telomere Length With Mortality Among Adult Participants in 3 Longitudinal Studies. <i>JAMA Network Open</i> , 2020 , 3, e200023	10.4	24
113	A Mechanism for Severity of Disease in Older Patients with COVID-19: The Nexus between Telomere Length and Lymphopenia 2020 ,		3
112	Determinants of telomere length across human tissues. <i>Science</i> , 2020 , 369,	33.3	90
111	Genetics and geography of leukocyte telomere length in sub-Saharan Africans. <i>Human Molecular Genetics</i> , 2020 , 29, 3014-3020	5.6	3
110	Shortened leukocyte telomere length is associated with reduced pulmonary function and greater subsequent decline in function in a sample of World Trade Center responders. <i>Scientific Reports</i> , 2019 , 9, 8148	4.9	6
109	Smoking does not accelerate leucocyte telomere attrition: a meta-analysis of 18 longitudinal cohorts. <i>Royal Society Open Science</i> , 2019 , 6, 190420	3.3	16
108	DNA methylation GrimAge strongly predicts lifespan and healthspan. <i>Aging</i> , 2019 , 11, 303-327	5.6	424

107	Telomere length tracking in children and their parents: implications for adult onset diseases. <i>FASEB Journal</i> , 2019 , 33, 14248-14253	0.9	20
106	DNA methylation-based estimator of telomere length. <i>Aging</i> , 2019 , 11, 5895-5923	5.6	69
105	Epigenome-wide association study of leukocyte telomere length. <i>Aging</i> , 2019 , 11, 5876-5894	5.6	4
104	Clonal Hematopoiesis Confers Predisposition to Both Cardiovascular Disease and Cancer. <i>Annals of Internal Medicine</i> , 2019 , 170, 356	8	1
103	Hemochelium, Clonal Hematopoiesis of Indeterminate Potential, and Atherosclerosis. <i>Circulation</i> , 2019 , 139, 7-9	16.7	13
102	Response by Benetos et al to Letter Regarding Article, "Short Leukocyte Telomere Length Precedes Clinical Expression of Atherosclerosis: The Blood-and-Muscle Model". <i>Circulation Research</i> , 2018 , 122, e73-e74	15.7	3
101	GWAS of epigenetic aging rates in blood reveals a critical role for TERT. <i>Nature Communications</i> , 2018 , 9, 387	17.4	106
100	Reflections on telomere dynamics and ageing-related diseases in humans. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018 , 373,	5.8	95
99	The mitochondrial genome, paternal age and telomere length in humans. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018 , 373,	5.8	9
98	Telomere length dynamics in early life: the blood-and-muscle model. <i>FASEB Journal</i> , 2018 , 32, 529-534	0.9	35
97	Epigenetic clock for skin and blood cells applied to Hutchinson Gilford Progeria Syndrome and studies. <i>Aging</i> , 2018 , 10, 1758-1775	5.6	187
96	Short Leukocyte Telomere Length Precedes Clinical Expression of Atherosclerosis: The Blood-and-Muscle Model. <i>Circulation Research</i> , 2018 , 122, 616-623	15.7	44
95	An epigenetic biomarker of aging for lifespan and healthspan. <i>Aging</i> , 2018 , 10, 573-591	5.6	658
94	Rapid shortening of leukocyte telomeres is associated with poorer pulmonary function among healthy adults. <i>Respiratory Medicine</i> , 2018 , 145, 73-79	4.6	5
93	Association Between Telomere Length and Risk of Cancer and Non-Neoplastic Diseases: A Mendelian Randomization Study. <i>JAMA Oncology</i> , 2017 , 3, 636-651	13.4	236
92	Ancestry, Telomere Length, and Atherosclerosis Risk. <i>Circulation: Cardiovascular Genetics</i> , 2017 , 10,		11
91	Short Telomeres, but Not Telomere Attrition Rates, Are Associated With Carotid Atherosclerosis. <i>Hypertension</i> , 2017 , 70, 420-425	8.5	43
90	Mutations, Cancer and the Telomere Length Paradox. <i>Trends in Cancer</i> , 2017 , 3, 253-258	12.5	66

89	Leukocyte telomere length and cardiovascular disease in African Americans: The Jackson Heart Study. <i>Atherosclerosis</i> , 2017 , 266, 41-47	3.1	19
88	Environmental Exposures, Telomere Length at Birth, and Disease Susceptibility in Later Life. <i>JAMA Pediatrics</i> , 2017 , 171, 1143-1144	8.3	5
87	Telomere Length and Risk of Cancer and Non-neoplastic Diseases: Is Survivin the Ariadne's Thread?-Reply. <i>JAMA Oncology</i> , 2017 , 3, 1741-1742	13.4	105
86	A null mutation in protects against biological aging in humans. <i>Science Advances</i> , 2017 , 3, eaao1617	14.3	64
85	Acne and Telomere Length: A New Spectrum between Senescence and Apoptosis Pathways. <i>Journal of Investigative Dermatology</i> , 2017 , 137, 513-515	4.3	4
84	Correlation of Leukocyte Telomere Length Measurement Methods in Patients with Dyskeratosis Congenita and in Their Unaffected Relatives. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	23
83	Telomeres and the natural lifespan limit in humans. <i>Aging</i> , 2017 , 9, 1130-1142	5.6	53
82	Leukocyte telomere length, T cell composition and DNA methylation age. <i>Aging</i> , 2017 , 9, 1983-1995	5.6	29
81	Response to: Reliability and validity of telomere length measurements. <i>International Journal of Epidemiology</i> , 2016 , 45, 1298-1301	7.8	23
80	Non-Dynamic Association of Depressive and Anxiety Disorders With Leukocyte Telomere Length?. <i>American Journal of Psychiatry</i> , 2016 , 173, 1147	11.9	6
79	Leukocyte Telomere Length in Newborns: Implications for the Role of Telomeres in Human Disease. <i>Pediatrics</i> , 2016 , 137,	7.4	137
78	Shorter telomere length in Europeans than in Africans due to polygenetic adaptation. <i>Human Molecular Genetics</i> , 2016 , 25, 2324-2330	5.6	67
77	Increased attrition of leukocyte telomere length in young adults is associated with poorer cognitive function in midlife. <i>European Journal of Epidemiology</i> , 2016 , 31, 147-57	12.1	21
76	Telomere Length and the Cancer-Atherosclerosis Trade-Off. <i>PLoS Genetics</i> , 2016 , 12, e1006144	6	56
75	Telomere length measurement by a novel Luminex-based assay: a blinded comparison to Southern blot. <i>International Journal of Molecular Epidemiology and Genetics</i> , 2016 , 7, 18-23	0.9	10
74	A short leucocyte telomere length is associated with development of insulin resistance. <i>Diabetologia</i> , 2016 , 59, 1258-65	10.3	59
73	DNA methylation age is associated with mortality in a longitudinal Danish twin study. <i>Aging Cell</i> , 2016 , 15, 149-54	9.9	214
72	Leukocyte telomere length and coronary artery calcium. <i>American Journal of Cardiology</i> , 2015 , 116, 214-8		32

71	Paternal age and telomere length in twins: the germ stem cell selection paradigm. <i>Aging Cell</i> , 2015 , 14, 701-3	9.9	33
70	The heritability of leucocyte telomere length dynamics. <i>Journal of Medical Genetics</i> , 2015 , 52, 297-302	5.8	120
69	Telomeres, atherosclerosis, and human longevity: a causal hypothesis. <i>Epidemiology</i> , 2015 , 26, 295-9	3.1	46
68	The transcriptional landscape of age in human peripheral blood. <i>Nature Communications</i> , 2015 , 6, 8570	17.4	335
67	Commentary: The reliability of telomere length measurements. <i>International Journal of Epidemiology</i> , 2015 , 44, 1683-6	7.8	60
66	Height and bone mineral density are associated with naevus count supporting the importance of growth in melanoma susceptibility. <i>PLoS ONE</i> , 2015 , 10, e0116863	3.7	16
65	Leukocyte telomere length dynamics in women and men: menopause vs age effects. <i>International Journal of Epidemiology</i> , 2015 , 44, 1688-95	7.8	61
64	DCAF4, a novel gene associated with leucocyte telomere length. <i>Journal of Medical Genetics</i> , 2015 , 52, 157-62	5.8	48
63	Leukocyte Telomere Length and Risks of Incident Coronary Heart Disease and Mortality in a Racially Diverse Population of Postmenopausal Women. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 2225-31	9.4	45
62	Comparison between southern blots and qPCR analysis of leukocyte telomere length in the health ABC study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014 , 69, 527-31	6.4	62
61	Sex difference in leukocyte telomere length is ablated in opposite-sex co-twins. <i>International Journal of Epidemiology</i> , 2014 , 43, 1799-805	7.8	28
60	Estimating telomere length from whole genome sequence data. <i>Nucleic Acids Research</i> , 2014 , 42, e75	20.1	85
59	Stromal cell-derived factor 1 as a biomarker of heart failure and mortality risk. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 2100-5	9.4	49
58	Association of leukocyte telomere length with fatigue in nondisabled older adults. <i>Journal of Aging Research</i> , 2014 , 2014, 403253	2.3	5
57	Leukocyte telomere dynamics in the elderly. <i>European Journal of Epidemiology</i> , 2013 , 28, 181-7	12.1	23
56	Do leukocyte telomere length dynamics depend on baseline telomere length? An analysis that corrects for Regression to the mean. <i>European Journal of Epidemiology</i> , 2013 , 28, 859-66	12.1	88
55	Leukocyte telomere length and coronary artery calcification in Palestinians. <i>Atherosclerosis</i> , 2013 , 229, 363-8	3.1	26
54	Tracking and fixed ranking of leukocyte telomere length across the adult life course. <i>Aging Cell</i> , 2013 , 12, 615-21	9.9	146

53	Leukocyte telomere length and the father's age enigma: implications for population health and for life course. <i>International Journal of Epidemiology</i> , 2013 , 42, 457-62	7.8	54
52	Telomeres shorten at equivalent rates in somatic tissues of adults. <i>Nature Communications</i> , 2013 , 4, 1597-1608	17.4	408
51	The telomere lengthening conundrum--artifact or biology?. <i>Nucleic Acids Research</i> , 2013 , 41, e131	20.1	87
50	Genetics of leukocyte telomere length and its role in atherosclerosis. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2012 , 730, 68-74	3.3	91
49	Telomeres, atherosclerosis, and the hemochelium: the longer view. <i>Annual Review of Medicine</i> , 2012 , 63, 293-301	17.4	29
48	Energy intake and leukocyte telomere length in young adults. <i>American Journal of Clinical Nutrition</i> , 2012 , 95, 479-87	7	61
47	Divergence of sperm and leukocyte age-dependent telomere dynamics: implications for male-driven evolution of telomere length in humans. <i>Molecular Human Reproduction</i> , 2012 , 18, 517-22	4.4	70
46	Genome-wide meta-analysis points to CTC1 and ZNF676 as genes regulating telomere homeostasis in humans. <i>Human Molecular Genetics</i> , 2012 , 21, 5385-94	5.6	162
45	A model of canine leukocyte telomere dynamics. <i>Aging Cell</i> , 2011 , 10, 991-5	9.9	33
44	Impartial comparative analysis of measurement of leukocyte telomere length/DNA content by Southern blots and qPCR. <i>Nucleic Acids Research</i> , 2011 , 39, e134	20.1	263
43	Leukocyte telomere length and mortality in the Cardiovascular Health Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2011 , 66, 421-9	6.4	207
42	Measurement of telomere length by the Southern blot analysis of terminal restriction fragment lengths. <i>Nature Protocols</i> , 2010 , 5, 1596-607	18.8	309
41	Genome-wide association identifies OBFC1 as a locus involved in human leukocyte telomere biology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 9293-8	11.5	209
40	Leukocyte telomere length is inversely correlated with plasma Von Willebrand factor. <i>Thrombosis Research</i> , 2010 , 125, e339-42	8.2	8
39	Common variants near TERC are associated with mean telomere length. <i>Nature Genetics</i> , 2010 , 42, 197-9	36.3	255
38	Synchrony of telomere length among hematopoietic cells. <i>Experimental Hematology</i> , 2010 , 38, 854-9	3.1	117
37	Insulin-like growth factors and leukocyte telomere length: the cardiovascular health study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009 , 64, 1103-6	6.4	22
36	Commentary: Raising the bar on telomere epidemiology. <i>International Journal of Epidemiology</i> , 2009 , 38, 1735-6	7.8	19

35	Leukocyte telomere dynamics and human hematopoietic stem cell kinetics during somatic growth. <i>Experimental Hematology</i> , 2009 , 37, 514-24	3.1	100
34	Leukocyte telomere dynamics: longitudinal findings among young adults in the Bogalusa Heart Study. <i>American Journal of Epidemiology</i> , 2009 , 169, 323-9	3.8	224
33	Leukocyte telomeres are longer in African Americans than in whites: the National Heart, Lung, and Blood Institute Family Heart Study and the Bogalusa Heart Study. <i>Aging Cell</i> , 2008 , 7, 451-8	9.9	235
32	Offspring's leukocyte telomere length, paternal age, and telomere elongation in sperm. <i>PLoS Genetics</i> , 2008 , 4, e37	6	190
31	Telomere length and mortality: a study of leukocytes in elderly Danish twins. <i>American Journal of Epidemiology</i> , 2008 , 167, 799-806	3.8	227
30	Association of leukocyte telomere length with circulating biomarkers of the renin-angiotensin-aldosterone system: the Framingham Heart Study. <i>Circulation</i> , 2008 , 117, 1138-44	16.7	99
29	The epidemiology of human telomeres: faults and promises. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2008 , 63, 979-83	6.4	99
28	Nevus size and number are associated with telomere length and represent potential markers of a decreased senescence in vivo. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2007 , 16, 1499-502	4	97
27	Telomere dynamics in macaques and humans. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2007 , 62, 367-74	6.4	84
26	Cardiovascular Diseases, Aging and the Gender Gap in the Human Longevity. <i>Journal of the American Society of Hypertension</i> , 2007 , 1, 185-188		4
25	Menopause modifies the association of leukocyte telomere length with insulin resistance and inflammation. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006 , 91, 635-40	5.6	138
24	Human telomere biology: pitfalls of moving from the laboratory to epidemiology. <i>International Journal of Epidemiology</i> , 2006 , 35, 1424-9	7.8	150
23	Telomeres and human somatic fitness. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2006 , 61, 871-3	6.4	89
22	Urinary potassium excretion and sodium sensitivity in blacks. <i>Hypertension</i> , 2004 , 43, 707-13	8.5	96
21	Sodium glomerulopathy: tubuloglomerular feedback and renal injury in African Americans. <i>Kidney International</i> , 2004 , 65, 361-8	9.9	45
20	Telomere length and possible link to X chromosome. <i>Lancet, The</i> , 2004 , 363, 507-10	40	289
19	Telomeres and human aging: facts and fibs. <i>Science of Aging Knowledge Environment: SAGE KE</i> , 2004 , 2004, pe43		117
18	Growth, telomere dynamics and successful and unsuccessful human aging. <i>Mechanisms of Ageing and Development</i> , 2003 , 124, 829-37	5.6	50

17	Telomeres, sex, reactive oxygen species, and human cardiovascular aging. <i>Journal of Molecular Medicine</i> , 2002 , 80, 689-95	5.5	99
16	Telomere length in the newborn. <i>Pediatric Research</i> , 2002 , 52, 377-81	3.2	364
15	Chronology versus biology: telomeres, essential hypertension, and vascular aging. <i>Hypertension</i> , 2002 , 40, 229-32	8.5	61
14	Salt consumption, reactive oxygen species and cardiovascular ageing: a hypothetical link. <i>Journal of Hypertension</i> , 2002 , 20, 555-9	1.9	21
13	How long should telomeres be?. <i>Current Hypertension Reports</i> , 2001 , 3, 145-51	4.7	15
12	Telomeres: the time factor in essential hypertension. <i>Current Hypertension Reports</i> , 2001 , 3, 33-5	4.7	1
11	Telomere length inversely correlates with pulse pressure and is highly familial. <i>Hypertension</i> , 2000 , 36, 195-200	8.5	293
10	The relationship between Ca ²⁺ -ATPase and freely exchangeable Ca ²⁺ in the dense tubules: a study in platelets from women. <i>American Journal of Hypertension</i> , 1999 , 12, 120-7	2.3	
9	Lack of difference in oxalate-dependent Ca ²⁺ uptake by membrane homogenate of African-American and white subjects. <i>American Journal of Hypertension</i> , 1997 , 10, 434-9	2.3	
8	Cellular calcium and sodium regulation, salt-sensitivity and essential hypertension in African Americans. <i>Ethnicity and Health</i> , 1996 , 1, 275-81	2.2	7
7	Characterization of Na(+)-K+ homeostasis of cultured human skin fibroblasts in the presence and absence of fetal bovine serum. <i>Journal of Cellular Physiology</i> , 1992 , 151, 427-32	7	4
6	Differences of Ca ²⁺ regulation in skin fibroblasts from blacks and whites. <i>Journal of Cellular Physiology</i> , 1989 , 138, 367-74	7	17
5	Calcium mobilization and Na ⁺ /H ⁺ antiport activation by endothelin in human skin fibroblasts. <i>FEBS Letters</i> , 1989 , 256, 38-42	3.8	15
4	Sodium 22+ washout from cultured rat cells. <i>Journal of Cellular Physiology</i> , 1986 , 129, 1-10	7	3
3	The effect of melittin on Na ⁺ and Rb ⁺ transport in cultured skin fibroblasts of the spontaneously hypertensive rat. <i>Clinical and Experimental Hypertension</i> , 1985 , 7, 1283-99		
2	Telomere Length in the Newborn		41
1	Novel genetic determinants of telomere length from a trans-ethnic analysis of 109,122 whole genome sequences in TOPMed		1