

Luke C Pilling

List of Publications by Citations

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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.

75 papers	3,616 citations	26 h-index	59 g-index
85 ext. papers	4,898 ext. citations	7.1 avg, IF	5.35 L-index

#	Paper	IF	Citations
75	DNA methylation-based measures of biological age: meta-analysis predicting time to death. <i>Aging</i> , 2016 , 8, 1844-1865	5.6	531
74	Epigenetic Signatures of Cigarette Smoking. <i>Circulation: Cardiovascular Genetics</i> , 2016 , 9, 436-447		442
73	The transcriptional landscape of age in human peripheral blood. <i>Nature Communications</i> , 2015 , 6, 8570	17.4	335
72	Preexisting Comorbidities Predicting COVID-19 and Mortality in the UK Biobank Community Cohort. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, 2224-2230	6.4	228
71	APOE e4 Genotype Predicts Severe COVID-19 in the UK Biobank Community Cohort. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, 2231-2232	6.4	177
70	DNA methylation signatures of chronic low-grade inflammation are associated with complex diseases. <i>Genome Biology</i> , 2016 , 17, 255	18.3	171
69	A genome-wide association study of depressive symptoms. <i>Biological Psychiatry</i> , 2013 , 73, 667-78	7.9	135
68	DNA methylation of lipid-related genes affects blood lipid levels. <i>Circulation: Cardiovascular Genetics</i> , 2015 , 8, 334-42		122
67	Associations between PFOA, PFOS and changes in the expression of genes involved in cholesterol metabolism in humans. <i>Environment International</i> , 2013 , 57-58, 2-10	12.9	103
66	The genetics of human ageing. <i>Nature Reviews Genetics</i> , 2020 , 21, 88-101	30.1	86
65	Human longevity is influenced by many genetic variants: evidence from 75,000 UK Biobank participants. <i>Aging</i> , 2016 , 8, 547-60	5.6	84
64	A meta-analysis of gene expression signatures of blood pressure and hypertension. <i>PLoS Genetics</i> , 2015 , 11, e1005035	6	83
63	Human longevity: 25 genetic loci associated in 389,166 UK biobank participants. <i>Aging</i> , 2017 , 9, 2504-2520	5.6	83
62	Blood Leukocyte DNA Methylation Predicts Risk of Future Myocardial Infarction and Coronary Heart Disease. <i>Circulation</i> , 2019 , 140, 645-657	16.7	65
61	Common conditions associated with hereditary haemochromatosis genetic variants: cohort study in UK Biobank. <i>BMJ, The</i> , 2019 , 364, k5222	5.9	64
60	Changes in splicing factor expression are associated with advancing age in man. <i>Mechanisms of Ageing and Development</i> , 2013 , 134, 356-66	5.6	61
59	A whole-blood transcriptome meta-analysis identifies gene expression signatures of cigarette smoking. <i>Human Molecular Genetics</i> , 2016 , 25, 4611-4623	5.6	58

58	ApoE e4e4 Genotype and Mortality With COVID-19 in UK Biobank. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, 1801-1803	6.4	57
57	Changes in the expression of splicing factor transcripts and variations in alternative splicing are associated with lifespan in mice and humans. <i>Aging Cell</i> , 2016 , 15, 903-13	9.9	49
56	Advancing age is associated with gene expression changes resembling mTOR inhibition: evidence from two human populations. <i>Mechanisms of Ageing and Development</i> , 2012 , 133, 556-62	5.6	46
55	Uric acid measurement improves prediction of cardiovascular mortality in later life. <i>Journal of the American Geriatrics Society</i> , 2013 , 61, 319-26	5.6	39
54	Red cell distribution width and common disease onsets in 240,477 healthy volunteers followed for up to 9 years. <i>PLoS ONE</i> , 2018 , 13, e0203504	3.7	38
53	Towards a gene expression biomarker set for human biological age. <i>Aging Cell</i> , 2013 , 12, 324-6	9.9	33
52	Telomere length and aging-related outcomes in humans: A Mendelian randomization study in 261,000 older participants. <i>Aging Cell</i> , 2019 , 18, e13017	9.9	32
51	Change in Epigenome-Wide DNA Methylation Over 9 Years and Subsequent Mortality: Results From the InCHIANTI Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016 , 71, 1029-35	6.4	28
50	Red blood cell distribution width: Genetic evidence for aging pathways in 116,666 volunteers. <i>PLoS ONE</i> , 2017 , 12, e0185083	3.7	28
49	Preexisting Comorbidities Predicting Severe Covid-19 in Older Adults in the UK Biobank Community Cohort		25
48	e2 and aging-related outcomes in 379,000 UK Biobank participants. <i>Aging</i> , 2020 , 12, 12222-12233	5.6	23
47	circRNAs expressed in human peripheral blood are associated with human aging phenotypes, cellular senescence and mouse lifespan. <i>GeroScience</i> , 2020 , 42, 183-199	8.9	23
46	Leukocyte CCR2 expression is associated with mini-mental state examination score in older adults. <i>Rejuvenation Research</i> , 2012 , 15, 395-404	2.6	22
45	ApoE e4 Genotype Predicts Severe COVID-19 in the UK Biobank Community Cohort		21
44	Whole blood gene expression and interleukin-6 levels. <i>Genomics</i> , 2014 , 104, 490-5	4.3	19
43	CCAAT-enhancer-binding protein-beta expression in vivo is associated with muscle strength. <i>Aging Cell</i> , 2012 , 11, 262-8	9.9	19
42	Peripheral Blood Transcriptomic Signatures of Fasting Glucose and Insulin Concentrations. <i>Diabetes</i> , 2016 , 65, 3794-3804	0.9	18
41	Gene expression markers of age-related inflammation in two human cohorts. <i>Experimental Gerontology</i> , 2015 , 70, 37-45	4.5	17

40	The isoform is dysregulated in senescent endothelial cells and may be associated with prevalent and incident coronary heart disease. <i>Clinical Science</i> , 2018 , 132, 313-325	6.5	17
39	COVID-19 severity is predicted by earlier evidence of accelerated aging 2020 ,		17
38	Clinical Relevance of Increased Endothelial and Mesothelial Expression of Proangiogenic Proteases and VEGFA in the Omentum of Patients with Metastatic Ovarian High-Grade Serous Carcinoma. <i>Translational Oncology</i> , 2014 , 7, 267-276.e4	4.9	16
37	Vitamin D levels and risk of delirium: A mendelian randomization study in the UK Biobank. <i>Neurology</i> , 2019 , 92, e1387-e1394	6.5	15
36	Impact of Low Cardiovascular Risk Profiles on Geriatric Outcomes: Evidence From 421,000 Participants in Two Cohorts. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019 , 74, 350-357	6.4	14
35	Genomics and successful aging: grounds for renewed optimism?. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2012 , 67, 511-9	6.4	12
34	Comparison of senescence-associated miRNAs in primary skin and lung fibroblasts. <i>Biogerontology</i> , 2015 , 16, 423-34	4.5	11
33	Hereditary Hemochromatosis Associations with Frailty, Sarcopenia and Chronic Pain: Evidence from 200,975 Older UK Biobank Participants. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019 , 74, 337-342	6.4	10
32	Association of Hemochromatosis HFE p.C282Y Homozygosity With Hepatic Malignancy. <i>JAMA - Journal of the American Medical Association</i> , 2020 , 324, 2048-2057	27.4	10
31	Genome-wide meta-analysis of muscle weakness identifies 15 susceptibility loci in older men and women. <i>Nature Communications</i> , 2021 , 12, 654	17.4	10
30	PFOA and PFOS are associated with reduced expression of the parathyroid hormone 2 receptor (PTH2R) gene in women. <i>Chemosphere</i> , 2015 , 120, 555-62	8.4	9
29	The transcript expression levels of HNRNPM, HNRNPA0 and AKAP17A splicing factors may be predictively associated with ageing phenotypes in human peripheral blood. <i>Biogerontology</i> , 2019 , 20, 649-663	4.5	9
28	Sarcopenia and Variation in the Human Leukocyte Antigen Complex. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, 301-308	6.4	9
27	Longer-Lived Parents and Cardiovascular Outcomes: 8-Year Follow-Up In 186,000 U.K. Biobank Participants. <i>Journal of the American College of Cardiology</i> , 2016 , 68, 874-5	15.1	8
26	Gene transcripts associated with muscle strength: a CHARGE meta-analysis of 7,781 persons. <i>Physiological Genomics</i> , 2016 , 48, 1-11	3.6	8
25	Changes in CEBPB expression in circulating leukocytes following eccentric elbow-flexion exercise. <i>Journal of Physiological Sciences</i> , 2015 , 65, 145-50	2.3	6
24	Blood DNA methylation sites predict death risk in a longitudinal study of 12, 300 individuals. <i>Aging</i> , 2020 , 12, 14092-14124	5.6	6
23	Genetic associations for two biological age measures point to distinct aging phenotypes. <i>Aging Cell</i> , 2021 , 20, e13376	9.9	6

22	Low Vitamin D Levels and Risk of Incident Delirium in 351,000 Older UK Biobank Participants. <i>Journal of the American Geriatrics Society</i> , 2021 , 69, 365-372	5.6	6
21	Genome-wide Association Study of Parental Life Span. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017 , 72, 1407-1410	6.4	5
20	Splicing factor 3B1 hypomethylation is associated with altered SF3B1 transcript expression in older humans. <i>Mechanisms of Ageing and Development</i> , 2014 , 135, 50-6	5.6	5
19	Biological Aging Predicts Vulnerability to COVID-19 Severity in UK Biobank Participants. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 , 76, e133-e141	6.4	5
18	HUMAN LONGEVITY IS INFLUENCED BY MANY GENETIC VARIANTS: EVIDENCE FROM 75,000 UK BIOBANK PARTICIPANTS		4
17	A Genome-Wide Association Study of the Frailty Index Highlights Synaptic Pathways in Aging		4
16	ApoE e4e4 genotype and mortality with COVID-19 in UK Biobank		4
15	Clinical Outcomes of CADASIL-Associated NOTCH3 Mutations in 451,424 European Ancestry Community Volunteers. <i>Translational Stroke Research</i> , 2019 , 10, 339-341	7.8	4
14	The Longevity-Associated SH2B3 (LNK) Genetic Variant: Selected Aging Phenotypes in 379,758 Subjects. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, 1656-1662	6.4	3
13	Hemochromatosis Mutations, Brain Iron Imaging, and Dementia in the UK Biobank Cohort. <i>Journal of Alzheimer's Disease</i> , 2021 , 79, 1203-1211	4.3	3
12	Genetic associations for two biological age measures point to distinct aging phenotypes 2020 ,		2
11	Genetic variation in activating clopidogrel: longer-term outcomes in a large community cohort		2
10	A genome-wide association study of the frailty index highlights brain pathways in ageing. <i>Aging Cell</i> , 2021 , 20, e13459	9.9	2
9	The Triangulation Within a Study (TWIST) framework for causal inference within pharmacogenetic research. <i>PLoS Genetics</i> , 2021 , 17, e1009783	6	2
8	Gene Expression Biomarkers and Longevity. <i>Annual Review of Gerontology and Geriatrics</i> , 2013 , 33, 233-258		1
7	Statin treatment effectiveness and the SLCO1B1*5 reduced function genotype: long-term outcomes in women and men.. <i>British Journal of Clinical Pharmacology</i> , 2022 ,	3.8	1
6	ApoE e2 and aging-related outcomes in 379,000 UK Biobank participants		1
5	The Triangulation Within A Study (TWIST) framework for causal inference within Pharmacogenetic research		1

4	APOE e4 genotypes increase risk of delirium during COVID-19 related hospitalizations: evidence from a large United Kingdom cohort. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 ,	6.4	1
3	Analysis of genetic variants with ischaemic events in UK patients prescribed clopidogrel in primary care: a retrospective cohort study.. <i>BMJ Open</i> , 2021 , 11, e053905	3	1
2	The relationship of parental longevity with the aging brain-results from UK Biobank. <i>GeroScience</i> , 2020 , 42, 1377-1385	8.9	0
1	Alzheimer's pathology: should peripheral monocytes and CCR2 take center stage?. <i>Neurodegenerative Disease Management</i> , 2013 , 3, 9-12	2.8	