

# Brian H Chen

## 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.

53 papers	5,170 citations	29 h-index	60 g-index
60 ext. papers	6,977 ext. citations	9.5 avg, IF	4.83 L-index

#	Paper	IF	Citations
53	DNA methylation age of blood predicts all-cause mortality in later life. <i>Genome Biology</i> , <b>2015</b> , 16, 25	18.3	670
52	An epigenetic biomarker of aging for lifespan and healthspan. <i>Aging</i> , <b>2018</b> , 10, 573-591	5.6	658
51	DNA methylation-based measures of biological age: meta-analysis predicting time to death. <i>Aging</i> , <b>2016</b> , 8, 1844-1865	5.6	531
50	An epigenetic clock analysis of race/ethnicity, sex, and coronary heart disease. <i>Genome Biology</i> , <b>2016</b> , 17, 171	18.3	357
49	Epigenetic clock analysis of diet, exercise, education, and lifestyle factors. <i>Aging</i> , <b>2017</b> , 9, 419-446	5.6	317
48	Menopause accelerates biological aging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 9327-32	11.5	248
47	DNA methylation age of blood predicts future onset of lung cancer in the women's health initiative. <i>Aging</i> , <b>2015</b> , 7, 690-700	5.6	189
46	DNA methylation signatures of chronic low-grade inflammation are associated with complex diseases. <i>Genome Biology</i> , <b>2016</b> , 17, 255	18.3	171
45	Association of Body Mass Index with DNA Methylation and Gene Expression in Blood Cells and Relations to Cardiometabolic Disease: A Mendelian Randomization Approach. <i>PLoS Medicine</i> , <b>2017</b> , 14, e1002215	11.6	162
44	Epigenome-wide association study of fasting blood lipids in the Genetics of Lipid-lowering Drugs and Diet Network study. <i>Circulation</i> , <b>2014</b> , 130, 565-72	16.7	161
43	Meta-analysis of genome-wide association studies in African Americans provides insights into the genetic architecture of type 2 diabetes. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004517	6	151
42	A genome-wide association meta-analysis of circulating sex hormone-binding globulin reveals multiple Loci implicated in sex steroid hormone regulation. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1002805	6	116
41	GWAS of epigenetic aging rates in blood reveals a critical role for TERT. <i>Nature Communications</i> , <b>2018</b> , 9, 387	17.4	106
40	Genome-wide identification of microRNA expression quantitative trait loci. <i>Nature Communications</i> , <b>2015</b> , 6, 6601	17.4	104
39	Circulating levels of resistin and risk of type 2 diabetes in men and women: results from two prospective cohorts. <i>Diabetes Care</i> , <b>2009</b> , 32, 329-34	14.6	97
38	Type 2 Diabetes Variants Disrupt Function of SLC16A11 through Two Distinct Mechanisms. <i>Cell</i> , <b>2017</b> , 170, 199-212.e20	56.2	94
37	A meta-analysis of gene expression signatures of blood pressure and hypertension. <i>PLoS Genetics</i> , <b>2015</b> , 11, e1005035	6	83

36	Identification of common genetic variants controlling transcript isoform variation in human whole blood. <i>Nature Genetics</i> , <b>2015</b> , 47, 345-52	36.3	77
35	Age-associated microRNA expression in human peripheral blood is associated with all-cause mortality and age-related traits. <i>Aging Cell</i> , <b>2018</b> , 17, e12687	9.9	75
34	Integrative network analysis reveals molecular mechanisms of blood pressure regulation. <i>Molecular Systems Biology</i> , <b>2015</b> , 11, 799	12.2	72
33	Blood Leukocyte DNA Methylation Predicts Risk of Future Myocardial Infarction and Coronary Heart Disease. <i>Circulation</i> , <b>2019</b> , 140, 645-657	16.7	65
32	Coffee and caffeine consumption in relation to sex hormone-binding globulin and risk of type 2 diabetes in postmenopausal women. <i>Diabetes</i> , <b>2011</b> , 60, 269-75	0.9	58
31	Skeletal muscle ex vivo mitochondrial respiration parallels decline in vivo oxidative capacity, cardiorespiratory fitness, and muscle strength: The Baltimore Longitudinal Study of Aging. <i>Aging Cell</i> , <b>2018</b> , 17, e12725	9.9	57
30	A prospective study of leukocyte telomere length and risk of type 2 diabetes in postmenopausal women. <i>Diabetes</i> , <b>2012</b> , 61, 2998-3004	0.9	51
29	Integromic analysis of genetic variation and gene expression identifies networks for cardiovascular disease phenotypes. <i>Circulation</i> , <b>2015</b> , 131, 536-49	16.7	46
28	Tracking the Epigenetic Clock Across the Human Life Course: A Meta-analysis of Longitudinal Cohort Data. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2019</b> , 74, 57-61	6.4	45
27	The trans-ancestral genomic architecture of glycemic traits. <i>Nature Genetics</i> , <b>2021</b> , 53, 840-860	36.3	44
26	Novel age-associated DNA methylation changes and epigenetic age acceleration in middle-aged African Americans and whites. <i>Clinical Epigenetics</i> , <b>2019</b> , 11, 119	7.7	37
25	Novel risk factor in gastroschisis: change of paternity. <i>American Journal of Medical Genetics, Part A</i> , <b>2007</b> , 143A, 653-9	2.5	35
24	Leukocyte telomere length, T cell composition and DNA methylation age. <i>Aging</i> , <b>2017</b> , 9, 1983-1995	5.6	29
23	Prevalence of periconceptional folic acid use and perceived barriers to the postgestation continuance of supplemental folic acid: survey results from a Teratogen Information Service. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , <b>2006</b> , 76, 193-9		28
22	Epigenetic age is a cell-intrinsic property in transplanted human hematopoietic cells. <i>Aging Cell</i> , <b>2019</b> , 18, e12897	9.9	27
21	The role of epigenetic aging in education and racial/ethnic mortality disparities among older U.S. Women. <i>Psychoneuroendocrinology</i> , <b>2019</b> , 104, 18-24	5	26
20	Sex hormone-binding globulin and risk of clinical diabetes in American black, Hispanic, and Asian/Pacific Islander postmenopausal women. <i>Clinical Chemistry</i> , <b>2012</b> , 58, 1457-66	5.5	24
19	Peripheral Blood Transcriptomic Signatures of Fasting Glucose and Insulin Concentrations. <i>Diabetes</i> , <b>2016</b> , 65, 3794-3804	0.9	18

18	Age, body mass, usage of exogenous estrogen, and lifestyle factors in relation to circulating sex hormone-binding globulin concentrations in postmenopausal women. <i>Clinical Chemistry</i> , <b>2014</b> , 60, 174-85	5.5	17
17	Web Accessibility for Older Adults: A Comparative Analysis of Disability Laws. <i>Gerontologist</i> , <b>2015</b> , 55, 854-64	5	15
16	A systematic heritability analysis of the human whole blood transcriptome. <i>Human Genetics</i> , <b>2015</b> , 134, 343-58	6.3	15
15	Metabolite Signatures of Metabolic Risk Factors and their Longitudinal Changes. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2016</b> , 101, 1779-89	5.6	14
14	NTD prevalences in central California before and after folic acid fortification. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , <b>2008</b> , 82, 547-52		14
13	Analysis of repeated leukocyte DNA methylation assessments reveals persistent epigenetic alterations after an incident myocardial infarction. <i>Clinical Epigenetics</i> , <b>2018</b> , 10, 161	7.7	14
12	Monitoring Physical Activity Levels Using Twitter Data: Infodemiology Study. <i>Journal of Medical Internet Research</i> , <b>2019</b> , 21, e12394	7.6	10
11	Association between 49 infant gene polymorphisms and preterm delivery. <i>American Journal of Medical Genetics, Part A</i> , <b>2007</b> , 143A, 1990-6	2.5	7
10	Association of resistin promoter polymorphisms with plasma resistin levels and type 2 diabetes in women and men. <i>International Journal of Molecular Epidemiology and Genetics</i> , <b>2010</b> , 1, 167-74	0.9	7
9	Blood DNA methylation sites predict death risk in a longitudinal study of 12, 300 individuals. <i>Aging</i> , <b>2020</b> , 12, 14092-14124	5.6	6
8	Rad18 mediates specific mutational signatures and shapes the genomic landscape of carcinogen-induced tumors. <i>NAR Cancer</i> , <b>2021</b> , 3, zcaa037	5.2	6
7	Effects of varying doses of testosterone on atherogenic markers in healthy younger and older men. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2014</b> , 306, R118-23	3.2	5
6	Genetic variants in sex hormone pathways and the risk of type 2 diabetes among African American, Hispanic American, and European American postmenopausal women in the US. <i>Journal of Diabetes</i> , <b>2018</b> , 10, 524-533	3.8	3
5	Relationships of sex hormone levels with leukocyte telomere length in Black, Hispanic, and Asian/Pacific Islander postmenopausal women. <i>Journal of Diabetes</i> , <b>2018</b> , 10, 502-511	3.8	3
4	An epigenetic biomarker of aging for lifespan and healthspan		2
3	GWAS of epigenetic ageing rates in blood reveals a critical role forTERT		1
2	Predicting physiological aging rates from a range of quantitative traits using machine learning. <i>Aging</i> , <b>2021</b> , 13, 23471-23516	5.6	0
1	The 2020 FASEB virtual Catalyst Conference on Integrative Approach for Complex Diseases Prevention and Management and Beyond, December 16, 2020. <i>FASEB Journal</i> , <b>2021</b> , 35, e21500	0.9	

