

# Eric A Whitsel

## 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.

112 papers	4,566 citations	31 h-index	66 g-index
134 ext. papers	6,979 ext. citations	7.5 avg, IF	5.11 L-index

#	Paper	IF	Citations
112	An epigenetic biomarker of aging for lifespan and healthspan. <i>Aging</i> , <b>2018</b> , 10, 573-591	5.6	658
111	DNA methylation GrimAge strongly predicts lifespan and healthspan. <i>Aging</i> , <b>2019</b> , 11, 303-327	5.6	424
110	Association of Cardiometabolic Multimorbidity With Mortality. <i>JAMA - Journal of the American Medical Association</i> , <b>2015</b> , 314, 52-60	27.4	365
109	Epigenetic clock analysis of diet, exercise, education, and lifestyle factors. <i>Aging</i> , <b>2017</b> , 9, 419-446	5.6	317
108	Epigenetic clock for skin and blood cells applied to Hutchinson Gilford Progeria Syndrome and studies. <i>Aging</i> , <b>2018</b> , 10, 1758-1775	5.6	187
107	Pharmacogenetic meta-analysis of genome-wide association studies of LDL cholesterol response to statins. <i>Nature Communications</i> , <b>2014</b> , 5, 5068	17.4	160
106	Association of higher levels of ambient criteria pollutants with impaired cardiac autonomic control: a population-based study. <i>American Journal of Epidemiology</i> , <b>2004</b> , 159, 768-77	3.8	135
105	Inherited causes of clonal haematopoiesis in 97,691 whole genomes. <i>Nature</i> , <b>2020</b> , 586, 763-768	50.4	127
104	GIS approaches for the estimation of residential-level ambient PM concentrations. <i>Environmental Health Perspectives</i> , <b>2006</b> , 114, 1374-80	8.4	125
103	Repeatability of heart rate variability measures. <i>Journal of Electrocardiology</i> , <b>2004</b> , 37, 163-72	1.4	120
102	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
101	Cohort Profile: The National Longitudinal Study of Adolescent to Adult Health (Add Health). <i>International Journal of Epidemiology</i> , <b>2019</b> , 48, 1415-1415k	7.8	106
100	Accuracy and repeatability of commercial geocoding. <i>American Journal of Epidemiology</i> , <b>2004</b> , 160, 1023-38	3.8	90
99	Accuracy of commercial geocoding: assessment and implications. <i>Epidemiologic Perspectives and Innovations</i> , <b>2006</b> , 3, 8		87
98	DNA Methylation Analysis Identifies Loci for Blood Pressure Regulation. <i>American Journal of Human Genetics</i> , <b>2017</b> , 101, 888-902	11	83
97	Cardiac Autonomic Dysfunction and Incidence of Atrial Fibrillation: Results From 20 Years Follow-Up. <i>Journal of the American College of Cardiology</i> , <b>2017</b> , 69, 291-299	15.1	74
96	DNA methylation-based estimator of telomere length. <i>Aging</i> , <b>2019</b> , 11, 5895-5923	5.6	69

95	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
94	Heart rate variability, ambient particulate matter air pollution, and glucose homeostasis: the environmental epidemiology of arrhythmogenesis in the women's health initiative. <i>American Journal of Epidemiology</i> , <b>2009</b> , 169, 693-703	3.8	60
93	Is tree loss associated with cardiovascular-disease risk in the Women's Health Initiative? A natural experiment. <i>Health and Place</i> , <b>2015</b> , 36, 1-7	4.6	57
92	The Association of Long-Term Exposure to Particulate Matter Air Pollution with Brain MRI Findings: The ARIC Study. <i>Environmental Health Perspectives</i> , <b>2018</b> , 126, 027009	8.4	53
91	DNA Methylation Signatures of Depressive Symptoms in Middle-aged and Elderly Persons: Meta-analysis of Multiethnic Epigenome-wide Studies. <i>JAMA Psychiatry</i> , <b>2018</b> , 75, 949-959	14.5	51
90	Genetic loci associated with heart rate variability and their effects on cardiac disease risk. <i>Nature Communications</i> , <b>2017</b> , 8, 15805	17.4	50
89	Leveraging population admixture to characterize the heritability of complex traits. <i>Nature Genetics</i> , <b>2014</b> , 46, 1356-62	36.3	45
88	Electrocardiographic QT interval prolongation and risk of primary cardiac arrest in diabetic patients. <i>Diabetes Care</i> , <b>2005</b> , 28, 2045-7	14.6	38
87	Heart Rate Variability and Incident Stroke: The Atherosclerosis Risk in Communities Study. <i>Stroke</i> , <b>2016</b> , 47, 1452-8	6.7	38
86	A longitudinal study of DNA methylation as a potential mediator of age-related diabetes risk. <i>GeroScience</i> , <b>2017</b> , 39, 475-489	8.9	36
85	Methylome-wide association study provides evidence of particulate matter air pollution-associated DNA methylation. <i>Environment International</i> , <b>2019</b> , 132, 104723	12.9	35
84	An integrative cross-omics analysis of DNA methylation sites of glucose and insulin homeostasis. <i>Nature Communications</i> , <b>2019</b> , 10, 2581	17.4	31
83	Particulate Matter and Albuminuria, Glomerular Filtration Rate, and Incident CKD. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , <b>2020</b> , 15, 311-319	6.9	31
82	Premature Menopause, Clonal Hematopoiesis, and Coronary Artery Disease in Postmenopausal Women. <i>Circulation</i> , <b>2021</b> , 143, 410-423	16.7	31
81	Long-term exposure to residential ambient fine and coarse particulate matter and incident hypertension in post-menopausal women. <i>Environment International</i> , <b>2017</b> , 105, 79-85	12.9	30
80	Ambient particulate air pollution and ectopy--the environmental epidemiology of arrhythmogenesis in Women's Health Initiative Study, 1999-2004. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2009</b> , 72, 30-8	3.2	30
79	Low Heart Rate Variability in a 2-Minute Electrocardiogram Recording Is Associated with an Increased Risk of Sudden Cardiac Death in the General Population: The Atherosclerosis Risk in Communities Study. <i>PLoS ONE</i> , <b>2016</b> , 11, e0161648	3.7	30
78	Meta-analysis of genome-wide association studies of HDL cholesterol response to statins. <i>Journal of Medical Genetics</i> , <b>2016</b> , 53, 835-845	5.8	28

77	Heart rate variability and lifetime risk of cardiovascular disease: the Atherosclerosis Risk in Communities Study. <i>Annals of Epidemiology</i> , <b>2017</b> , 27, 619-625.e2	6.4	27
76	Short-term repeatability of electrocardiographic spatial T-wave axis and QT interval. <i>Journal of Electrocardiology</i> , <b>2005</b> , 38, 139-47	1.4	25
75	Social, behavioral, and genetic linkages from adolescence into adulthood. <i>American Journal of Public Health</i> , <b>2013</b> , 103 Suppl 1, S25-32	5.1	23
74	Association between DNA methylation in obesity-related genes and body mass index percentile in adolescents. <i>Scientific Reports</i> , <b>2019</b> , 9, 2079	4.9	22
73	Social support and cognition in a community-based cohort: the Atherosclerosis Risk in Communities (ARIC) study. <i>Age and Ageing</i> , <b>2016</b> , 45, 475-80	3	22
72	The Depths of Despair Among US Adults Entering Midlife. <i>American Journal of Public Health</i> , <b>2019</b> , 109, 774-780	5.1	21
71	Race/Ethnicity, Gender, and Trajectories of Depressive Symptoms Across Early- and Mid-Life Among the Add Health Cohort. <i>Journal of Racial and Ethnic Health Disparities</i> , <b>2020</b> , 7, 619-629	3.5	21
70	Short-term exposure to air pollution and incidence of stroke in the Women's Health Initiative. <i>Environment International</i> , <b>2019</b> , 132, 105065	12.9	20
69	Fine-mapping, novel loci identification, and SNP association transferability in a genome-wide association study of QRS duration in African Americans. <i>Human Molecular Genetics</i> , <b>2016</b> , 25, 4350-4368	5.6	20
68	Temporal trends in the occurrence and outcomes of atrial fibrillation in patients with acute myocardial infarction (from the Atherosclerosis Risk in Communities Surveillance Study). <i>American Journal of Cardiology</i> , <b>2014</b> , 114, 692-7	3	19
67	Whole Blood DNA Methylation Signatures of Diet Are Associated With Cardiovascular Disease Risk Factors and All-Cause Mortality. <i>Circulation Genomic and Precision Medicine</i> , <b>2020</b> , 13, e002766	5.2	18
66	Multi-ancestry GWAS of the electrocardiographic PR interval identifies 202 loci underlying cardiac conduction. <i>Nature Communications</i> , <b>2020</b> , 11, 2542	17.4	16
65	Supplemental Association of Clonal Hematopoiesis With Incident Heart Failure. <i>Journal of the American College of Cardiology</i> , <b>2021</b> , 78, 42-52	15.1	16
64	Short-term repeatability of electrocardiographic P wave indices and PR interval. <i>Journal of Electrocardiology</i> , <b>2014</b> , 47, 257-63	1.4	15
63	Blood spot-based measures of glucose homeostasis and diabetes prevalence in a nationally representative population of young US adults. <i>Annals of Epidemiology</i> , <b>2014</b> , 24, 903-9.e1	6.4	14
62	Social relationships, inflammation markers, and breast cancer incidence in the Women's Health Initiative. <i>Breast</i> , <b>2018</b> , 39, 63-69	3.6	13
61	Drug-Gene Interactions of Antihypertensive Medications and Risk of Incident Cardiovascular Disease: A Pharmacogenomics Study from the CHARGE Consortium. <i>PLoS ONE</i> , <b>2015</b> , 10, e0140496	3.7	12
60	National Kriging Exposure Estimation: Liao et al. Respond. <i>Environmental Health Perspectives</i> , <b>2007</b> , 115,	8.4	12

59	Genome-wide association study of heart rate and its variability in Hispanic/Latino cohorts. <i>Heart Rhythm</i> , <b>2017</b> , 14, 1675-1684	6.7	11
58	Anti-Hypertensive Medication Use, Soluble Receptor for Glycation End Products and Risk of Pancreatic Cancer in the Women's Health Initiative Study. <i>Journal of Clinical Medicine</i> , <b>2018</b> , 7,	5.1	11
57	Genetic architecture of lipid traits in the Hispanic community health study/study of Latinos. <i>Lipids in Health and Disease</i> , <b>2017</b> , 16, 200	4.4	11
56	Inherited Causes of Clonal Hematopoiesis of Indeterminate Potential in TOPMed Whole Genomes		11
55	A wide QRS/T angle in bundle branch blocks is associated with increased risk for coronary heart disease and all-cause mortality in the Atherosclerosis Risk in Communities (ARIC) Study. <i>Journal of Electrocardiology</i> , <b>2015</b> , 48, 672-7	1.4	10
54	Short-term repeatability of electrocardiographic Tpeak-Tend and QT intervals. <i>Journal of Electrocardiology</i> , <b>2014</b> , 47, 356-61	1.4	10
53	The reliability of in-home measures of height and weight in large cohort studies: Evidence from Add Health. <i>Demographic Research</i> , <b>2015</b> , 32, 1081-1098	1	10
52	Population differences in associations of serotonin transporter promoter polymorphism (5HTTLPR) di- and triallelic genotypes with blood pressure and hypertension prevalence. <i>American Heart Journal</i> , <b>2017</b> , 185, 110-122	4.9	9
51	Clonal hematopoiesis associated with epigenetic aging and clinical outcomes. <i>Aging Cell</i> , <b>2021</b> , 20, e133669	6.9	9
50	A prospective study of soluble receptor for advanced glycation end products and adipokines in association with pancreatic cancer in postmenopausal women. <i>Cancer Medicine</i> , <b>2018</b> , 7, 2180-2191	4.8	8
49	GWAS of the electrocardiographic QT interval in Hispanics/Latinos generalizes previously identified loci and identifies population-specific signals. <i>Scientific Reports</i> , <b>2017</b> , 7, 17075	4.9	8
48	Epigenome-wide association study of diet quality in the Women's Health Initiative and TwinsUK cohort. <i>International Journal of Epidemiology</i> , <b>2021</b> , 50, 675-684	7.8	8
47	Insulin resistance and reduced cardiac autonomic function in older adults: the Atherosclerosis Risk in Communities study. <i>BMC Cardiovascular Disorders</i> , <b>2020</b> , 20, 217	2.3	7
46	Clonal Hematopoiesis Is Associated With Higher Risk of Stroke. <i>Stroke</i> , <b>2021</b> , STROKEAHA121037388	6.7	7
45	Erythrocyte omega-3 index, ambient fine particle exposure, and brain aging. <i>Neurology</i> , <b>2020</b> , 95, e995-e1007	6.9	7
44	Outdoor air pollution exposure and inter-relation of global cognitive performance and emotional distress in older women. <i>Environmental Pollution</i> , <b>2021</b> , 271, 116282	9.3	7
43	Genome-wide association study of PR interval in Hispanics/Latinos identifies novel locus at. <i>Heart</i> , <b>2018</b> , 104, 904-911	5.1	7
42	Multi-ancestry genetic study of type 2 diabetes highlights the power of diverse populations for discovery and translation.. <i>Nature Genetics</i> , <b>2022</b> ,	36.3	7

41	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
40	Air Pollution and the Dynamic Association Between Depressive Symptoms and Memory in Oldest-Old Women. <i>Journal of the American Geriatrics Society</i> , <b>2021</b> , 69, 474-484	5.6	6
39	A genome-wide interaction analysis of tricyclic/tetracyclic antidepressants and RR and QT intervals: a pharmacogenomics study from the Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) consortium. <i>Journal of Medical Genetics</i> , <b>2017</b> , 54, 313-323	5.8	5
38	Repeatability of ectopic beats from 48-hr ambulatory electrocardiography: The Atherosclerosis Risk in Communities (ARIC) Study. <i>Annals of Noninvasive Electrocardiology</i> , <b>2017</b> , 22,	1.5	5
37	Optimism is not associated with two indicators of DNA methylation aging. <i>Aging</i> , <b>2019</b> , 11, 4970-4989	5.6	5
36	Genome-wide Association Study of Susceptibility to Particulate Matter-Associated QT Prolongation. <i>Environmental Health Perspectives</i> , <b>2017</b> , 125, 067002	8.4	5
35	Contribution of medications and risk factors to QTc interval lengthening in the atherosclerosis risk in communities (ARIC) study. <i>Journal of Evaluation in Clinical Practice</i> , <b>2017</b> , 23, 1274-1280	2.5	5
34	The environmental epidemiology of atrial arrhythmogenesis. <i>Journal of Epidemiology and Community Health</i> , <b>2010</b> , 64, 587-90	5.1	5
33	Methylome-wide association study of central adiposity implicates genes involved in immune and endocrine systems. <i>Epigenomics</i> , <b>2020</b> , 12, 1483-1499	4.4	4
32	Multi-Ethnic Genome-Wide Association Study of Decomposed Cardioelectric Phenotypes Illustrates Strategies to Identify and Characterize Evidence of Shared Genetic Effects for Complex Traits. <i>Circulation Genomic and Precision Medicine</i> , <b>2020</b> , 13, e002680	5.2	3
31	Comparison of a Medication Inventory and a Dietary Supplement Interview in Assessing Dietary Supplement Use in the Hispanic Community Health Study/Study of Latinos. <i>Integrative Medicine Insights</i> , <b>2016</b> , 11, 1-10		3
30	GWAS of QRS duration identifies new loci specific to Hispanic/Latino populations. <i>PLoS ONE</i> , <b>2019</b> , 14, e0217796	3.7	3
29	Ambient air pollution exposure and increasing depressive symptoms in older women: The mediating role of the prefrontal cortex and insula.. <i>Science of the Total Environment</i> , <b>2022</b> , 823, 153642	10.2	3
28	Epigenome-wide association study of kidney function identifies trans-ethnic and ethnic-specific loci. <i>Genome Medicine</i> , <b>2021</b> , 13, 74	14.4	3
27	A multi-ethnic epigenome-wide association study of leukocyte DNA methylation and blood lipids. <i>Nature Communications</i> , <b>2021</b> , 12, 3987	17.4	3
26	Age-related DNA hydroxymethylation is enriched for gene expression and immune system processes in human peripheral blood. <i>Epigenetics</i> , <b>2020</b> , 15, 294-306	5.7	3
25	Mendelian randomization supports bidirectional causality between telomere length and clonal hematopoiesis of indeterminate potential.. <i>Science Advances</i> , <b>2022</b> , 8, eabl6579	14.3	3
24	Genome-Wide Association Study of Apparent Treatment-Resistant Hypertension in the CHARGE Consortium: The CHARGE Pharmacogenetics Working Group. <i>American Journal of Hypertension</i> , <b>2019</b> , 32, 1146-1153	2.3	2

23	Validity of self-report of lipid medication use: the Atherosclerosis Risk in Communities (ARIC) Study. <i>Atherosclerosis</i> , <b>2015</b> , 242, 625-9	3.1	2
22	Air quality improvement and cognitive decline in community-dwelling older women in the United States: A longitudinal cohort study.. <i>PLoS Medicine</i> , <b>2022</b> , 19, e1003893	11.6	2
21	Short-term repeatability of the peguero-lo presti electrocardiographic left ventricular hypertrophy criteria. <i>Annals of Noninvasive Electrophysiology</i> , <b>2021</b> , 26, e12829	1.5	2
20	Association of cardiovascular health and epigenetic age acceleration. <i>Clinical Epigenetics</i> , <b>2021</b> , 13, 42	7.7	2
19	Effects of short-term ambient PM exposure on cardiovascular disease incidence and mortality among U.S. hemodialysis patients: a retrospective cohort study.. <i>Environmental Health</i> , <b>2022</b> , 21, 33	6	2
18	Using Animations of Risk Functions to Visualize Trends in US All-Cause and Cause-Specific Mortality, 1968-2016. <i>American Journal of Public Health</i> , <b>2019</b> , 109, 451-453	5.1	1
17	Genome-wide association study and meta-analysis identify loci associated with ventricular and supraventricular ectopy. <i>Scientific Reports</i> , <b>2018</b> , 8, 5675	4.9	1
16	Associations Between Air Pollution Exposure and Empirically Derived Profiles of Cognitive Performance in Older Women. <i>Journal of Alzheimers Disease</i> , <b>2021</b> ,	4.3	1
15	Analysis of long- and medium-term particulate matter exposures and stroke in the US-based Health Professionals Follow-up Study.. <i>Environmental Epidemiology</i> , <b>2021</b> , 5, e178	0.2	1
14	DNAm-based signatures of accelerated aging and mortality in blood are associated with low renal function. <i>Clinical Epigenetics</i> , <b>2021</b> , 13, 121	7.7	1
13	Ambient air pollution and lung cancer risk among never-smokers in the Women's Health Initiative. <i>Environmental Epidemiology</i> , <b>2019</b> , 3, e076	0.2	1
12	Air pollution-associated changes in biomarkers of diabetes risk. <i>Environmental Epidemiology</i> , <b>2019</b> , 3, e059	0.2	1
11	Long-Term Exposures to Air Pollution and the Risk of Atrial Fibrillation in the Women's Health Initiative Cohort. <i>Environmental Health Perspectives</i> , <b>2021</b> , 129, 97007	8.4	1
10	Ambient Air Pollution and Long-Term Trajectories of Episodic Memory Decline among Older Women in the WHIMS-ECHO Cohort. <i>Environmental Health Perspectives</i> , <b>2021</b> , 129, 97009	8.4	1
9	Adherence to a MIND-Like Dietary Pattern, Long-Term Exposure to Fine Particulate Matter Air Pollution, and MRI-Based Measures of Brain Volume: The Women's Health Initiative Memory Study-MRI.. <i>Environmental Health Perspectives</i> , <b>2021</b> , 129, 127008	8.4	1
8	Integrative analysis of clinical and epigenetic biomarkers of mortality.. <i>Aging Cell</i> , <b>2022</b> , e13608	9.9	1
7	Investigating Predictors of Preserved Cognitive Function in Older Women Using Machine Learning: Women's Health Initiative Memory Study. <i>Journal of Alzheimers Disease</i> , <b>2021</b> , 84, 1267-1278	4.3	0
6	Rural-Urban Residence and Stroke Risk and Severity in Postmenopausal Women: The Women's Health Initiative. <i>Women's Health Reports</i> , <b>2020</b> , 1, 326-333	0.5	0



5	Rare Coding Variants Associated With Electrocardiographic Intervals Identify Monogenic Arrhythmia Susceptibility Genes: A Multi-Ancestry Analysis. <i>Circulation Genomic and Precision Medicine</i> , <b>2021</b> , 14, e003300	5.2	○
4	Characteristics of movers and predictors of residential mobility in the Atherosclerosis Risk in Communities (ARIC) cohort.. <i>Health and Place</i> , <b>2022</b> , 74, 102771	4.6	○
3	Associations between DNA methylation and BMI vary by metabolic health status: a potential link to disparate cardiovascular outcomes.. <i>Clinical Epigenetics</i> , <b>2021</b> , 13, 230	7.7	○
2	Gaseous air pollutants and DNA methylation in a methylome-wide association study of an ethnically and environmentally diverse population of U.S. adults.. <i>Environmental Research</i> , <b>2022</b> , 212, 113360	7.9	○
1	Epigenetically mediated electrocardiographic manifestations of sub-chronic exposures to ambient particulate matter air pollution in the Women's Health Initiative and Atherosclerosis Risk in Communities Study. <i>Environmental Research</i> , <b>2021</b> , 198, 111211	7.9	