

Serkalem Demissie

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118
papers

15,141
citations

54
h-index

123
g-index

124
ext. papers

17,000
ext. citations

8.4
avg, IF

5.12
L-index

#	Paper	IF	Citations
118	Biological, clinical and population relevance of 95 loci for blood lipids. <i>Nature</i> , 2010 , 466, 707-13	50.4	2742
117	Plasma HDL cholesterol and risk of myocardial infarction: a mendelian randomisation study. <i>Lancet, The</i> , 2012 , 380, 572-80	40	1523
116	Large-scale association analysis identifies 13 new susceptibility loci for coronary artery disease. <i>Nature Genetics</i> , 2011 , 43, 333-8	36.3	1394
115	Common variants at 30 loci contribute to polygenic dyslipidemia. <i>Nature Genetics</i> , 2009 , 41, 56-65	36.3	1095
114	Twenty bone-mineral-density loci identified by large-scale meta-analysis of genome-wide association studies. <i>Nature Genetics</i> , 2009 , 41, 1199-206	36.3	566
113	A genome-wide association study for blood lipid phenotypes in the Framingham Heart Study. <i>BMC Medical Genetics</i> , 2007 , 8 Suppl 1, S17	2.1	257
112	High-density lipoprotein subpopulation profile and coronary heart disease prevalence in male participants of the Framingham Offspring Study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004 , 24, 2181-7	9.4	241
111	Association of low-frequency and rare coding-sequence variants with blood lipids and coronary heart disease in 56,000 whites and blacks. <i>American Journal of Human Genetics</i> , 2014 , 94, 223-32	11	233
110	Value of high-density lipoprotein (HDL) subpopulations in predicting recurrent cardiovascular events in the Veterans Affairs HDL Intervention Trial. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005 , 25, 2185-91	9.4	233
109	Adjuvant tamoxifen: predictors of use, side effects, and discontinuation in older women. <i>Journal of Clinical Oncology</i> , 2001 , 19, 322-8	2.2	227
108	Collaborative meta-analysis: associations of 150 candidate genes with osteoporosis and osteoporotic fracture. <i>Annals of Internal Medicine</i> , 2009 , 151, 528-37	8	215
107	Genome-wide association with bone mass and geometry in the Framingham Heart Study. <i>BMC Medical Genetics</i> , 2007 , 8 Suppl 1, S14	2.1	200
106	Association between estrogen receptor alpha gene variation and cardiovascular disease. <i>JAMA - Journal of the American Medical Association</i> , 2003 , 290, 2263-70	27.4	197
105	Offspring's leukocyte telomere length, paternal age, and telomere elongation in sperm. <i>PLoS Genetics</i> , 2008 , 4, e37	6	190
104	Meta-analysis of genome-wide association studies from the CHARGE consortium identifies common variants associated with carotid intima media thickness and plaque. <i>Nature Genetics</i> , 2011 , 43, 940-7	36.3	168
103	Functional variant of CYP4A11 20-hydroxyeicosatetraenoic acid synthase is associated with essential hypertension. <i>Circulation</i> , 2005 , 111, 63-9	16.7	168
102	An integration of genome-wide association study and gene expression profiling to prioritize the discovery of novel susceptibility Loci for osteoporosis-related traits. <i>PLoS Genetics</i> , 2010 , 6, e1000977	6	163

101	Dietary fat intake determines the effect of a common polymorphism in the hepatic lipase gene promoter on high-density lipoprotein metabolism: evidence of a strong dose effect in this gene-nutrient interaction in the Framingham Study. <i>Circulation</i> , 2002 , 106, 2315-21	16.7	161
100	Association of JAG1 with bone mineral density and osteoporotic fractures: a genome-wide association study and follow-up replication studies. <i>American Journal of Human Genetics</i> , 2010 , 86, 229-39 ¹		156
99	The Framingham Heart Study 100K SNP genome-wide association study resource: overview of 17 phenotype working group reports. <i>BMC Medical Genetics</i> , 2007 , 8 Suppl 1, S1	2.1	152
98	Association of genome-wide variation with the risk of incident heart failure in adults of European and African ancestry: a prospective meta-analysis from the cohorts for heart and aging research in genomic epidemiology (CHARGE) consortium. <i>Circulation: Cardiovascular Genetics</i> , 2010 , 3, 256-66		147
97	Loss-of-function variants in endothelial lipase are a cause of elevated HDL cholesterol in humans. <i>Journal of Clinical Investigation</i> , 2009 , 119, 1042-50	15.9	144
96	Cortical and trabecular bone microarchitecture as an independent predictor of incident fracture risk in older women and men in the Bone Microarchitecture International Consortium (BoMIC): a prospective study. <i>Lancet Diabetes and Endocrinology</i> , 2019 , 7, 34-43	18.1	139
95	Influence of the APOA5 locus on plasma triglyceride, lipoprotein subclasses, and CVD risk in the Framingham Heart Study. <i>Journal of Lipid Research</i> , 2004 , 45, 2096-105	6.3	138
94	Early inhaled glucocorticoid therapy to prevent bronchopulmonary dysplasia. <i>New England Journal of Medicine</i> , 1999 , 340, 1005-10	59.2	137
93	Leukocyte telomere length and carotid artery intimal medial thickness: the Framingham Heart Study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 1165-71	9.4	126
92	APOA2, dietary fat, and body mass index: replication of a gene-diet interaction in 3 independent populations. <i>Archives of Internal Medicine</i> , 2009 , 169, 1897-906		118
91	Allostatic load is associated with chronic conditions in the Boston Puerto Rican Health Study. <i>Social Science and Medicine</i> , 2010 , 70, 1988-1996	5.1	111
90	Genome-wide association study for subclinical atherosclerosis in major arterial territories in the NHLBI Framingham Heart Study. <i>BMC Medical Genetics</i> , 2007 , 8 Suppl 1, S4	2.1	110
89	Polyunsaturated fatty acids interact with the PPARA-L162V polymorphism to affect plasma triglyceride and apolipoprotein C-III concentrations in the Framingham Heart Study. <i>Journal of Nutrition</i> , 2005 , 135, 397-403	4.1	110
88	Differences between African Americans and whites in their perceptions of Alzheimer disease. <i>Alzheimer Disease and Associated Disorders</i> , 2003 , 17, 19-26	2.5	109
87	Genetic variation at the scavenger receptor class B type I gene locus determines plasma lipoprotein concentrations and particle size and interacts with type 2 diabetes: the Framingham study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 2869-79	5.6	101
86	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
85	A genome-wide association study identifies LIPA as a susceptibility gene for coronary artery disease. <i>Circulation: Cardiovascular Genetics</i> , 2011 , 4, 403-12		98
84	Association of the Sst-I polymorphism at the APOC3 gene locus with variations in lipid levels, lipoprotein subclass profiles and coronary heart disease risk: the Framingham offspring study. <i>Atherosclerosis</i> , 2001 , 158, 173-81	3.1	98

83	Diabetes and Deficits in Cortical Bone Density, Microarchitecture, and Bone Size: Framingham HR-pQCT Study. <i>Journal of Bone and Mineral Research</i> , 2018 , 33, 54-62	6.3	96
82	Dietary intake of n-6 fatty acids modulates effect of apolipoprotein A5 gene on plasma fasting triglycerides, remnant lipoprotein concentrations, and lipoprotein particle size: the Framingham Heart Study. <i>Circulation</i> , 2006 , 113, 2062-70	16.7	96
81	Disentangling the genetic determinants of human aging: biological age as an alternative to the use of survival measures. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2005 , 60, 574-87	6.4	96
80	Effects of race and hypertension on flow-mediated and nitroglycerin-mediated dilation of the brachial artery. <i>Hypertension</i> , 2001 , 38, 1349-54	8.5	93
79	Polymorphisms in the insulin-degrading enzyme gene are associated with type 2 diabetes in men from the NHLBI Framingham Heart Study. <i>Diabetes</i> , 2003 , 52, 1562-7	0.9	89
78	Large meta-analysis of genome-wide association studies identifies five loci for lean body mass. <i>Nature Communications</i> , 2017 , 8, 80	17.4	88
77	Validation of a dietary pattern approach for evaluating nutritional risk: the Framingham Nutrition Studies. <i>Journal of the American Dietetic Association</i> , 2001 , 101, 187-94		87
76	Estrogen receptor alpha gene variation is associated with risk of myocardial infarction in more than seven thousand men from five cohorts. <i>Circulation Research</i> , 2006 , 98, 590-2	15.7	80
75	APOA5 gene variation modulates the effects of dietary fat intake on body mass index and obesity risk in the Framingham Heart Study. <i>Journal of Molecular Medicine</i> , 2007 , 85, 119-28	5.5	79
74	Variations of CT-based trunk muscle attenuation by age, sex, and specific muscle. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013 , 68, 317-23	6.4	77
73	Obesity modulates the association among APOE genotype, insulin, and glucose in men. <i>Obesity</i> , 2003 , 11, 1502-8		76
72	Variation in estrogen-related genes and cross-sectional and longitudinal blood pressure in the Framingham Heart Study. <i>Journal of Hypertension</i> , 2005 , 23, 2193-200	1.9	73
71	Epigenetic Patterns in Blood Associated With Lipid Traits Predict Incident Coronary Heart Disease Events and Are Enriched for Results From Genome-Wide Association Studies. <i>Circulation: Cardiovascular Genetics</i> , 2017 , 10,		72
70	Power and type I error rate of false discovery rate approaches in genome-wide association studies. <i>BMC Genetics</i> , 2005 , 6 Suppl 1, S134	2.6	72
69	Genomic variation associated with mortality among adults of European and African ancestry with heart failure: the cohorts for heart and aging research in genomic epidemiology consortium. <i>Circulation: Cardiovascular Genetics</i> , 2010 , 3, 248-55		66
68	Genetics of coronary artery calcification among African Americans, a meta-analysis. <i>BMC Medical Genetics</i> , 2013 , 14, 75	2.1	62
67	Variants at the APOA5 locus, association with carotid atherosclerosis, and modification by obesity: the Framingham Study. <i>Journal of Lipid Research</i> , 2006 , 47, 990-6	6.3	59
66	Estrogen receptor beta polymorphisms are associated with bone mass in women and men: the Framingham Study. <i>Journal of Bone and Mineral Research</i> , 2004 , 19, 773-81	6.3	58

65	Plasma levels of HDL subpopulations and remnant lipoproteins predict the extent of angiographically-defined coronary artery disease in postmenopausal women. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 575-9	9.4	56
64	Association of estrogen receptor beta gene polymorphisms with left ventricular mass and wall thickness in women. <i>American Journal of Hypertension</i> , 2005 , 18, 1388-95	2.3	53
63	Genome-Wide Association Study for Incident Myocardial Infarction and Coronary Heart Disease in Prospective Cohort Studies: The CHARGE Consortium. <i>PLoS ONE</i> , 2016 , 11, e0144997	3.7	53
62	Bivariate genome-wide association meta-analysis of pediatric musculoskeletal traits reveals pleiotropic effects at the SREBF1/TOM1L2 locus. <i>Nature Communications</i> , 2017 , 8, 121	17.4	52
61	PPARG by dietary fat interaction influences bone mass in mice and humans. <i>Journal of Bone and Mineral Research</i> , 2008 , 23, 1398-408	6.3	51
60	Common genetic variation in multiple metabolic pathways influences susceptibility to low HDL-cholesterol and coronary heart disease. <i>Journal of Lipid Research</i> , 2010 , 51, 3524-32	6.3	50
59	Association of leukocyte telomere length with echocardiographic left ventricular mass: the Framingham heart study. <i>Circulation</i> , 2009 , 120, 1195-202	16.7	50
58	Circulating Monocyte Chemoattractant Protein-1 and Risk of Stroke: Meta-Analysis of Population-Based Studies Involving 17 180 Individuals. <i>Circulation Research</i> , 2019 , 125, 773-782	15.7	47
57	Estrogen receptor-alpha variants are associated with lipoprotein size distribution and particle levels in women: the Framingham Heart Study. <i>Atherosclerosis</i> , 2006 , 185, 210-8	3.1	46
56	Identification of homogeneous genetic architecture of multiple genetically correlated traits by block clustering of genome-wide associations. <i>Journal of Bone and Mineral Research</i> , 2011 , 26, 1261-71	6.3	45
55	Bias due to missing exposure data using complete-case analysis in the proportional hazards regression model. <i>Statistics in Medicine</i> , 2003 , 22, 545-57	2.3	45
54	Genome-wide pleiotropy of osteoporosis-related phenotypes: the Framingham Study. <i>Journal of Bone and Mineral Research</i> , 2010 , 25, 1555-63	6.3	44
53	The PLIN4 variant rs8887 modulates obesity related phenotypes in humans through creation of a novel miR-522 seed site. <i>PLoS ONE</i> , 2011 , 6, e17944	3.7	44
52	QCT measures of bone strength at the thoracic and lumbar spine: the Framingham Study. <i>Journal of Bone and Mineral Research</i> , 2012 , 27, 654-63	6.3	40
51	Heritability of prevalent vertebral fracture and volumetric bone mineral density and geometry at the lumbar spine in three generations of the Framingham study. <i>Journal of Bone and Mineral Research</i> , 2012 , 27, 954-8	6.3	40
50	Disparities in allele frequencies and population differentiation for 101 disease-associated single nucleotide polymorphisms between Puerto Ricans and non-Hispanic whites. <i>BMC Genetics</i> , 2009 , 10, 45	2.6	38
49	Assessment of gene-by-sex interaction effect on bone mineral density. <i>Journal of Bone and Mineral Research</i> , 2012 , 27, 2051-64	6.3	37
48	Apolipoprotein A5 polymorphisms interact with total dietary fat intake in association with markers of metabolic syndrome in Puerto Rican older adults. <i>Journal of Nutrition</i> , 2009 , 139, 2301-8	4.1	36

47	What can we do to improve physical function in older persons with type 2 diabetes?. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2000 , 55, M372-7	6.4	36
46	Increased plasma osteoprotegerin concentrations are associated with indices of bone strength of the hip. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 1789-95	5.6	35
45	LpA-I, LpA-I:A-II HDL and CHD-risk: The Framingham Offspring Study and the Veterans Affairs HDL Intervention Trial. <i>Atherosclerosis</i> , 2006 , 188, 59-67	3.1	34
44	Effects of early inhaled beclomethasone therapy on tracheal aspirate inflammatory mediators IL-8 and IL-1ra in ventilated preterm infants at risk for bronchopulmonary dysplasia. <i>Pediatric Pulmonology</i> , 2000 , 30, 275-81	3.5	34
43	The care of older women with early-stage breast cancer: what is the role of surgeon gender?. <i>Medical Care</i> , 1999 , 37, 1057-67	3.1	34
42	Bivariate genome-wide linkage analysis of femoral bone traits and leg lean mass: Framingham study. <i>Journal of Bone and Mineral Research</i> , 2009 , 24, 710-8	6.3	32
41	Adrenal function in premature infants during inhaled beclomethasone therapy. <i>Journal of Pediatrics</i> , 1999 , 135, 65-70	3.6	32
40	Bone Material Strength Index as Measured by Impact Microindentation in Postmenopausal Women With Distal Radius and Hip Fractures. <i>Journal of Bone and Mineral Research</i> , 2018 , 33, 621-626	6.3	30
39	Tobacco smoking, estrogen receptor alpha gene variation and small low density lipoprotein level. <i>Human Molecular Genetics</i> , 2005 , 14, 2405-13	5.6	29
38	Mining the LIPG allelic spectrum reveals the contribution of rare and common regulatory variants to HDL cholesterol. <i>PLoS Genetics</i> , 2011 , 7, e1002393	6	28
37	Reliability of information collected by proxy in family studies of Alzheimer's disease. <i>Neuroepidemiology</i> , 2001 , 20, 105-11	5.4	28
36	Epidural analgesia and risks of cesarean and operative vaginal deliveries in nulliparous and multiparous women. <i>Maternal and Child Health Journal</i> , 2010 , 14, 705-712	2.4	27
35	Meta-analysis of 49 549 individuals imputed with the 1000 Genomes Project reveals an exonic damaging variant in ANGPTL4 determining fasting TG levels. <i>Journal of Medical Genetics</i> , 2016 , 53, 441-9 ^{5.8}	5.8	27
34	Discovery of Genetic Variation on Chromosome 5q22 Associated with Mortality in Heart Failure. <i>PLoS Genetics</i> , 2016 , 12, e1006034	6	26
33	Disentangling the genetics of lean mass. <i>American Journal of Clinical Nutrition</i> , 2019 , 109, 276-287	7	24
32	Polymorphisms in the gene encoding lipoprotein lipase in men with low HDL-C and coronary heart disease: the Veterans Affairs HDL Intervention Trial. <i>Journal of Lipid Research</i> , 2004 , 45, 1885-91	6.3	24
31	Heritability and Genetic Correlations for Bone Microarchitecture: The Framingham Study Families. <i>Journal of Bone and Mineral Research</i> , 2017 , 32, 106-114	6.3	21
30	Genome-wide association of an integrated osteoporosis-related phenotype: is there evidence for pleiotropic genes?. <i>Journal of Bone and Mineral Research</i> , 2012 , 27, 319-30	6.3	21

29	Cultural identification and alcohol use among "Black" adolescents. <i>Substance Use and Misuse</i> , 2001 , 36, 2025-41	2.2	21
28	Hip geometry variation is associated with bone mineralization pathway gene variants: The Framingham Study. <i>Journal of Bone and Mineral Research</i> , 2010 , 25, 1564-71	6.3	19
27	Description of the Framingham Heart Study data for Genetic Analysis Workshop 13. <i>BMC Genetics</i> , 2003 , 4 Suppl 1, S2	2.6	19
26	Age-related changes in echocardiographic measurements: association with variation in the estrogen receptor-alpha gene. <i>Hypertension</i> , 2007 , 49, 1000-6	8.5	18
25	Heritability of Thoracic Spine Curvature and Genetic Correlations With Other Spine Traits: The Framingham Study. <i>Journal of Bone and Mineral Research</i> , 2016 , 31, 2077-2084	6.3	18
24	Bias due to two-stage residual-outcome regression analysis in genetic association studies. <i>Genetic Epidemiology</i> , 2011 , 35, 592-6	2.6	17
23	Smoking and myocardial infarction case-fatality: hospital and population approach. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , 2007 , 14, 561-7		17
22	Correspondence between bone mineral density and intervertebral disc degeneration across age and sex. <i>Archives of Osteoporosis</i> , 2018 , 13, 123	2.9	17
21	Meta-Analysis of Genomewide Association Studies Reveals Genetic Variants for Hip Bone Geometry. <i>Journal of Bone and Mineral Research</i> , 2019 , 34, 1284-1296	6.3	16
20	The relationship of estrogen receptor-alpha and -beta genes with osteoarthritis of the hand. <i>Journal of Rheumatology</i> , 2009 , 36, 2772-9	4.1	16
19	Refined QTLs of osteoporosis-related traits by linkage analysis with genome-wide SNPs: Framingham SHARE. <i>Bone</i> , 2010 , 46, 1114-21	4.7	14
18	A genome wide linkage scan of metacarpal size and geometry in the Framingham Study. <i>American Journal of Human Biology</i> , 2008 , 20, 663-70	2.7	13
17	Drug-Gene Interactions of Antihypertensive Medications and Risk of Incident Cardiovascular Disease: A Pharmacogenomics Study from the CHARGE Consortium. <i>PLoS ONE</i> , 2015 , 10, e0140496	3.7	12
16	Accelerometer-determined physical activity and cognitive function in middle-aged and older adults from two generations of the Framingham Heart Study. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2019 , 5, 618-626	6	11
15	Plasma Adiponectin, clinical factors, and patient outcomes during the acute respiratory distress syndrome. <i>PLoS ONE</i> , 2014 , 9, e108561	3.7	11
14	Genetic variation in TRPS1 may regulate hip geometry as well as bone mineral density. <i>Bone</i> , 2012 , 50, 1188-95	4.7	11
13	Genetic analyses of longitudinal phenotype data: a comparison of univariate methods and a multivariate approach. <i>BMC Genetics</i> , 2003 , 4 Suppl 1, S29	2.6	8
12	Heterogeneity and Spatial Distribution of Intravertebral Trabecular Bone Mineral Density in the Lumbar Spine Is Associated With Prevalent Vertebral Fracture. <i>Journal of Bone and Mineral Research</i> , 2020 , 35, 641-648	6.3	7

11	Hypophosphatemia Regulates Molecular Mechanisms of Circadian Rhythm. <i>Scientific Reports</i> , 2018 , 8, 13756	4.9	7
10	Targeted sequencing of genome wide significant loci associated with bone mineral density (BMD) reveals significant novel and rare variants: the Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) targeted sequencing study. <i>Human Molecular Genetics</i> , 2016 , 25, 5234-5243	5.6	6
9	Relation of plasma β -amyloid, clusterin, and tau with cerebral microbleeds: Framingham Heart Study. <i>Annals of Clinical and Translational Neurology</i> , 2020 , 7, 1083-1091	5.3	5
8	Fine mapping the region reveals a common intronic insertion associated to HDL-C. <i>Npj Aging and Mechanisms of Disease</i> , 2015 , 1, 15011	5.5	5
7	Transfers among women intending a birth center delivery in the San Diego birth center study. <i>Journal of Midwifery and Women's Health</i> , 2009 , 54, 104-10	2.2	5
6	A Polymorphism in a gene encoding Perilipin 4 is associated with height but not with bone measures in individuals from the Framingham Osteoporosis Study. <i>Calcified Tissue International</i> , 2012 , 90, 96-107	3.9	3
5	Bone Strength Estimated by Micro-Finite Element Analysis (μ FEA) Is Heritable and Shares Genetic Predisposition With Areal BMD: The Framingham Study. <i>Journal of Bone and Mineral Research</i> , 2017 , 32, 2151-2156	6.3	3
4	Temporal and Quantitative Transcriptomic Differences Define Sexual Dimorphism in Murine Postnatal Bone Aging.. <i>JBMR Plus</i> , 2022 , 6, e10579	3.9	2
3	Clustering of temporal gene expression data with mixtures of mixed effects models with a penalized likelihood. <i>Bioinformatics</i> , 2019 , 35, 778-786	7.2	1
2	IC-02-04: REGIONAL ASYMMETRIES IN AMYLOID AND TAU GO TOGETHER: EVIDENCE FOR LOCAL INTERACTION 2018 , 14, P4-P5		1
1	Apolipoprotein A5 polymorphisms interact with dietary fat intake in association with markers of metabolic syndrome in the Boston Puerto Rican Health Study. <i>FASEB Journal</i> , 2009 , 23, LB505	0.9	