Serkalem Demissie

List of Publications by Year
in descending order

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122 papers	18,295 citations	23500 58 h-index	17055 122 g-index

124 all docs	124 docs citations	124 times ranked	23754 citing authors

#	Article	IF	Citations
1	Biological, clinical and population relevance of 95 loci for blood lipids. Nature, 2010, 466, 707-713.	13.7	3,249
2	Plasma HDL cholesterol and risk of myocardial infarction: a mendelian randomisation study. Lancet, The, 2012, 380, 572-580.	6.3	1,937
3	Large-scale association analysis identifies 13 new susceptibility loci for coronary artery disease. Nature Genetics, 2011, 43, 333-338.	9.4	1,685
4	Common variants at 30 loci contribute to polygenic dyslipidemia. Nature Genetics, 2009, 41, 56-65.	9.4	1,234
5	Twenty bone-mineral-density loci identified by large-scale meta-analysis of genome-wide association studies. Nature Genetics, 2009, 41, 1199-1206.	9.4	660
6	A genome-wide association study for blood lipid phenotypes in the Framingham Heart Study. BMC Medical Genetics, 2007, 8, S17.	2.1	289
7	Association of Low-Frequency and Rare Coding-Sequence Variants with Blood Lipids and Coronary Heart Disease in 56,000 Whites and Blacks. American Journal of Human Genetics, 2014, 94, 223-232.	2.6	287
8	High-Density Lipoprotein Subpopulation Profile and Coronary Heart Disease Prevalence in Male Participants of the Framingham Offspring Study. Arteriosclerosis, Thrombosis, and Vascular Biology, 2004, 24, 2181-2187.	1.1	275
9	Value of High-Density Lipoprotein (HDL) Subpopulations in Predicting Recurrent Cardiovascular Events in the Veterans Affairs HDL Intervention Trial. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 2185-2191.	1.1	258
10	Adjuvant Tamoxifen: Predictors of Use, Side Effects, and Discontinuation in Older Women. Journal of Clinical Oncology, 2001, 19, 322-328.	0.8	257
11	Collaborative Meta-analysis: Associations of 150 Candidate Genes With Osteoporosis and Osteoporotic Fracture. Annals of Internal Medicine, 2009, 151, 528.	2.0	250
12	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. Lancet Diabetes and Endocrinology,the, 2019, 7, 34-43.	5.5	244
13	Association Between Estrogen Receptor Î± Gene Variation and Cardiovascular Disease. JAMA - Journal of the American Medical Association, 2003, 290, 2263.	3.8	243
14	Genome-wide association with bone mass and geometry in the Framingham Heart Study. BMC Medical Genetics, 2007, 8, S14.	2.1	232
15	Offspring's Leukocyte Telomere Length, Paternal Age, and Telomere Elongation in Sperm. PLoS Genetics, 2008, 4, e37.	1.5	224
16	Functional Variant of CYP4A11 20-Hydroxyeicosatetraenoic Acid Synthase Is Associated With Essential Hypertension. Circulation, 2005, 111, 63-69.	1.6	206
17	An Integration of Genome-Wide Association Study and Gene Expression Profiling to Prioritize the Discovery of Novel Susceptibility Loci for Osteoporosis-Related Traits. PLoS Genetics, 2010, 6, e1000977.	1.5	191
18	Meta-analysis of genome-wide association studies from the CHARGE consortium identifies common variants associated with carotid intima media thickness and plaque. Nature Genetics, 2011, 43, 940-947.	9.4	191

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19	Association of JAG1 with Bone Mineral Density and Osteoporotic Fractures: A Genome-wide Association Study and Follow-up Replication Studies. American Journal of Human Genetics, 2010, 86, 229-239.	2.6	188
20	Dietary Fat Intake Determines the Effect of a Common Polymorphism in the Hepatic Lipase Gene Promoter on High-Density Lipoprotein Metabolism. Circulation, 2002, 106, 2315-2321.	1.6	186
21	Association of Genome-Wide Variation With the Risk of Incident Heart Failure in Adults of European and African Ancestry. Circulation: Cardiovascular Genetics, 2010, 3, 256-266.	5.1	176
22	The Framingham Heart Study 100K SNP genome-wide association study resource: overview of 17 phenotype working group reports. BMC Medical Genetics, 2007, 8, S1.	2.1	169
23	Loss-of-function variants in endothelial lipase are a cause of elevated HDL cholesterol in humans. Journal of Clinical Investigation, 2009, 119, 1042-50.	3.9	162
24	Early Inhaled Glucocorticoid Therapy to Prevent Bronchopulmonary Dysplasia. New England Journal of Medicine, 1999, 340, 1005-1010.	13.9	156
25	Influence of the APOA5 locus on plasma triglyceride, lipoprotein subclasses, and CVD risk in the Framingham Heart Study. Journal of Lipid Research, 2004, 45, 2096-2105.	2.0	155
26	APOA2, Dietary Fat, and Body Mass Index. Archives of Internal Medicine, 2009, 169, 1897.	4.3	150
27	Diabetes and Deficits in Cortical Bone Density, Microarchitecture, and Bone Size: Framingham HR-pQCT Study. Journal of Bone and Mineral Research, 2018, 33, 54-62.	3.1	148
28	Allostatic load is associated with chronic conditions in the Boston Puerto Rican Health Study. Social Science and Medicine, 2010, 70, 1988-1996.	1.8	147
29	Large meta-analysis of genome-wide association studies identifies five loci for lean body mass. Nature Communications, 2017, 8, 80.	5.8	147
30	Leukocyte Telomere Length and Carotid Artery Intimal Medial Thickness. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 1165-1171.	1.1	139
31	Differences Between African Americans and Whites in Their Perceptions of Alzheimer Disease. Alzheimer Disease and Associated Disorders, 2003, 17, 19-26.	0.6	131
32	Genome-wide association study for subclinical atherosclerosis in major arterial territories in the NHLBI's Framingham Heart Study. BMC Medical Genetics, 2007, 8, S4.	2.1	130
33	A Genome-Wide Association Study Identifies LIPA as a Susceptibility Gene for Coronary Artery Disease. Circulation: Cardiovascular Genetics, 2011, 4, 403-412.	5.1	130
34	Polyunsaturated Fatty Acids Interact with the PPARA-L162V Polymorphism to Affect Plasma Triglyceride and Apolipoprotein C-III Concentrations in the Framingham Heart Study. Journal of Nutrition, 2005, 135, 397-403.	1.3	123
35	Disentangling the Genetic Determinants of Human Aging: Biological Age as an Alternative to the Use of Survival Measures. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2005, 60, 574-587.	1.7	122
36	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. Atherosclerosis, 2001, 158, 173-181.	0.4	111

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37	Association of Leukocyte Telomere Length With Circulating Biomarkers of the Renin-Angiotensin-Aldosterone System. Circulation, 2008, 117, 1138-1144.	1.6	111
38	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. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 2869-2879.	1.8	108
39	Dietary Intake of n-6 Fatty Acids Modulates Effect of Apolipoprotein A5 Gene on Plasma Fasting Triglycerides, Remnant Lipoprotein Concentrations, and Lipoprotein Particle Size. Circulation, 2006, 113, 2062-2070.	1.6	107
40	Effects of Race and Hypertension on Flow-Mediated and Nitroglycerin-Mediated Dilation of the Brachial Artery. Hypertension, 2001, 38, 1349-1354.	1.3	105
41	Epigenetic Patterns in Blood Associated With Lipid Traits Predict Incident Coronary Heart Disease Events and Are Enriched for Results From Genome-Wide Association Studies. Circulation: Cardiovascular Genetics, 2017, 10, .	5.1	104
42	Polymorphisms in the Insulin-Degrading Enzyme Gene Are Associated With Type 2 Diabetes in Men From the NHLBI Framingham Heart Study. Diabetes, 2003, 52, 1562-1567.	0.3	100
43	APOA5 gene variation modulates the effects of dietary fat intake on body mass index and obesity risk in the Framingham Heart Study. Journal of Molecular Medicine, 2007, 85, 119-128.	1.7	98
44	Validation of a Dietary Pattern Approach for Evaluating Nutritional Risk. Journal of the American Dietetic Association, 2001, 101, 187-194.	1.3	97
45	Variations of CT-Based Trunk Muscle Attenuation by Age, Sex, and Specific Muscle. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2013, 68, 317-323.	1.7	96
46	Power and type I error rate of false discovery rate approaches in genome-wide association studies. BMC Genetics, 2005, 6, S134.	2.7	95
47	Obesity Modulates the Association among APOE Genotype, Insulin, and Glucose in Men. Obesity, 2003, 11, 1502-1508.	4.0	89
48	Common genetic variation in multiple metabolic pathways influences susceptibility to low HDL-cholesterol and coronary heart disease. Journal of Lipid Research, 2010, 51, 3524-3532.	2.0	87
49	Estrogen Receptor Î± Gene Variation Is Associated With Risk of Myocardial Infarction in More Than Seven Thousand Men From Five Cohorts. Circulation Research, 2006, 98, 590-592.	2.0	86
50	Variation in estrogen-related genes and cross-sectional and longitudinal blood pressure in the Framingham Heart Study. Journal of Hypertension, 2005, 23, 2193-2200.	0.3	83
51	Bivariate genome-wide association meta-analysis of pediatric musculoskeletal traits reveals pleiotropic effects at the SREBF1/TOM1L2 locus. Nature Communications, 2017, 8, 121.	5.8	82
52	Genomic Variation Associated With Mortality Among Adults of European and African Ancestry With Heart Failure. Circulation: Cardiovascular Genetics, 2010, 3, 248-255.	5.1	80
53	Circulating Monocyte Chemoattractant Protein-1 and Risk of Stroke. Circulation Research, 2019, 125, 773-782.	2.0	78
54	Genetics of coronary artery calcification among African Americans, a meta-analysis. BMC Medical Genetics, 2013, 14, 75.	2.1	73

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55	Genome-Wide Association Study for Incident Myocardial Infarction and Coronary Heart Disease in Prospective Cohort Studies: The CHARGE Consortium. PLoS ONE, 2016, 11, e0144997.	1.1	69
56	Estrogen Receptor Î² Polymorphisms Are Associated With Bone Mass in Women and Men: The Framingham Study. Journal of Bone and Mineral Research, 2003, 19, 773-781.	3.1	67
57	Variants at the APOA5 locus, association with carotid atherosclerosis, and modification by obesity: the Framingham Study. Journal of Lipid Research, 2006, 47, 990-996.	2.0	63
58	Association of Leukocyte Telomere Length With Echocardiographic Left Ventricular Mass. Circulation, 2009, 120, 1195-1202.	1.6	63
59	Bias due to missing exposure data using complete-case analysis in the proportional hazards regression model. Statistics in Medicine, 2003, 22, 545-557.	0.8	62
60	Plasma Levels of HDL Subpopulations and Remnant Lipoproteins Predict the Extent of Angiographically-Defined Coronary Artery Disease in Postmenopausal Women. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 575-579.	1.1	62
61	Association of Estrogen Receptor Î² Gene Polymorphisms With Left Ventricular Mass and Wall Thickness in Women. American Journal of Hypertension, 2005, 18, 1388-1395.	1.0	60
62	PPARG by Dietary Fat Interaction Influences Bone Mass in Mice and Humans. Journal of Bone and Mineral Research, 2008, 23, 1398-1408.	3.1	56
63	Identification of homogeneous genetic architecture of multiple genetically correlated traits by block clustering of genome-wide associations. Journal of Bone and Mineral Research, 2011, 26, 1261-1271.	3.1	56
64	The PLIN4 Variant rs8887 Modulates Obesity Related Phenotypes in Humans through Creation of a Novel miR-522 Seed Site. PLoS ONE, 2011, 6, e17944.	1.1	51
65	Genome-wide pleiotropy of osteoporosis-related phenotypes: The framingham study. Journal of Bone and Mineral Research, 2010, 25, 1555-1563.	3.1	50
66	QCT measures of bone strength at the thoracic and lumbar spine: The Framingham study. Journal of Bone and Mineral Research, 2012, 27, 654-663.	3.1	50
67	Estrogen receptor-Î± variants are associated with lipoprotein size distribution and particle levels in women: The Framingham Heart Study. Atherosclerosis, 2006, 185, 210-218.	0.4	48
68	Assessment of gene-by-sex interaction effect on bone mineral density. Journal of Bone and Mineral Research, 2012, 27, 2051-2064.	3.1	47
69	Disparities in allele frequencies and population differentiation for 101 disease-associated single nucleotide polymorphisms between Puerto Ricans and non-Hispanic whites. BMC Genetics, 2009, 10, 45.	2.7	45
70	Heritability of prevalent vertebral fracture and volumetric bone mineral density and geometry at the lumbar spine in three generations of the framingham study. Journal of Bone and Mineral Research, 2012, 27, 954-958.	3.1	43
71	What Can We Do to Improve Physical Function in Older Persons With Type 2 Diabetes?. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2000, 55, M372-M377.	1.7	42
72	Apolipoprotein A5 Polymorphisms Interact with Total Dietary Fat Intake in Association with Markers of Metabolic Syndrome in Puerto Rican Older Adults1â€“3. Journal of Nutrition, 2009, 139, 2301-2308.	1.3	42

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73	LpA-I, LpA-I:A-II HDL and CHD-risk: The Framingham Offspring Study and the Veterans Affairs HDL Intervention Trial. Atherosclerosis, 2006, 188, 59-67.	0.4	41
74	Bone Material Strength Index as Measured by Impact Microindentation in Postmenopausal Women With Distal Radius and Hip Fractures. Journal of Bone and Mineral Research, 2018, 33, 621-626.	3.1	40
75	The Care of Older Women With Early-Stage Breast Cancer. Medical Care, 1999, 37, 1057-1067.	1.1	40
76	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. Pediatric Pulmonology, 2000, 30, 275-281.	1.0	39
77	Increased Plasma Osteoprotegerin Concentrations Are Associated with Indices of Bone Strength of the Hip. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 1789-1795.	1.8	39
78	Disentangling the genetics of lean mass. American Journal of Clinical Nutrition, 2019, 109, 276-287.	2.2	38
79	Adrenal function in premature infants during inhaled beclomethasone therapy. Journal of Pediatrics, 1999, 135, 65-70.	0.9	37
80	Accelerometerâ€determined physical activity and cognitive function in middleâ€aged and older adults from two generations of the Framingham Heart Study. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2019, 5, 618-626.	1.8	36
81	Epidural Analgesia and Risks of Cesarean and Operative Vaginal Deliveries in Nulliparous and Multiparous Women. Maternal and Child Health Journal, 2010, 14, 705-712.	0.7	35
82	Bias due to two-stage residual-outcome regression analysis in genetic association studies. Genetic Epidemiology, 2011, 35, 592-596.	0.6	35
83	Meta-analysis of 49â€…549 individuals imputed with the 1000 Genomes Project reveals an exonic damaging variant inANGPTL4determining fasting TG levels. Journal of Medical Genetics, 2016, 53, 441-449.	1.5	34
84	Discovery of Genetic Variation on Chromosome 5q22 Associated with Mortality in Heart Failure. PLoS Genetics, 2016, 12, e1006034.	1.5	34
85	Tobacco smoking, estrogen receptor Î± gene variation and small low density lipoprotein level. Human Molecular Genetics, 2005, 14, 2405-2413.	1.4	32
86	Bivariate Genome-Wide Linkage Analysis of Femoral Bone Traits and Leg Lean Mass: Framingham Study. Journal of Bone and Mineral Research, 2009, 24, 710-718.	3.1	32
87	Mining the LIPG Allelic Spectrum Reveals the Contribution of Rare and Common Regulatory Variants to HDL Cholesterol. PLoS Genetics, 2011, 7, e1002393.	1.5	32
88	Reliability of Information Collected by Proxy in Family Studies of Alzheimerâ€™s Disease. Neuroepidemiology, 2001, 20, 105-111.	1.1	30
89	Heritability and Genetic Correlations for Bone Microarchitecture: The Framingham Study Families. Journal of Bone and Mineral Research, 2017, 32, 106-114.	3.1	30
90	Meta-Analysis of Genomewide Association Studies Reveals Genetic Variants for Hip Bone Geometry. Journal of Bone and Mineral Research, 2019, 34, 1284-1296.	3.1	27

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91	Correspondence between bone mineral density and intervertebral disc degeneration across age and sex. Archives of Osteoporosis, 2018, 13, 123.	1.0	26
92	Polymorphisms in the gene encoding lipoprotein lipase in men with low HDL-C and coronary heart disease. Journal of Lipid Research, 2004, 45, 1885-1891.	2.0	25
93	Genome-wide association of an integrated osteoporosis-related phenotype: Is there evidence for pleiotropic genes?. Journal of Bone and Mineral Research, 2012, 27, 319-330.	3.1	23
94	Description of the Framingham Heart Study data for Genetic Analysis Workshop 13. BMC Genetics, 2003, 4, S2.	2.7	22
95	Heritability of Thoracic Spine Curvature and Genetic Correlations With Other Spine Traits: The Framingham Study. Journal of Bone and Mineral Research, 2016, 31, 2077-2084.	3.1	22
96	CULTURAL IDENTIFICATION AND ALCOHOL USE AMONG â€œBLACKâ€•ADOLESCENTS. Substance Use and Misuse, 2001, 36, 2025-2041.	0.7	21
97	Smoking and myocardial infarction case-fatality: hospital and population approach. European Journal of Cardiovascular Prevention and Rehabilitation, 2007, 14, 561-567.	3.1	21
98	The Relationship of Estrogen Receptor-Î± and -Î² Genes with Osteoarthritis of the Hand. Journal of Rheumatology, 2009, 36, 2772-2779.	1.0	21
99	Hip geometry variation is associated with bone mineralization pathway gene variants: The framingham study. Journal of Bone and Mineral Research, 2010, 25, 1564-1571.	3.1	21
100	Age-Related Changes in Echocardiographic Measurements. Hypertension, 2007, 49, 1000-1006.	1.3	20
101	Relation of plasma Î²â€amyloid, clusterin, and tau with cerebral microbleeds: Framingham Heart Study. Annals of Clinical and Translational Neurology, 2020, 7, 1083-1091.	1.7	18
102	Refined QTLs of osteoporosis-related traits by linkage analysis with genome-wide SNPs: Framingham SHARe. Bone, 2010, 46, 1114-1121.	1.4	16
103	Genetic variation in TRPS1 may regulate hip geometry as well as bone mineral density. Bone, 2012, 50, 1188-1195.	1.4	16
104	Drug-Gene Interactions of Antihypertensive Medications and Risk of Incident Cardiovascular Disease: A Pharmacogenomics Study from the CHARGE Consortium. PLoS ONE, 2015, 10, e0140496.	1.1	15
105	A genome wide linkage scan of metacarpal size and geometry in the Framingham Study. American Journal of Human Biology, 2008, 20, 663-670.	0.8	14
106	Heterogeneity and Spatial Distribution of Intravertebral Trabecular Bone Mineral Density in the Lumbar Spine Is Associated With Prevalent Vertebral Fracture. Journal of Bone and Mineral Research, 2020, 35, 641-648.	3.1	14
107	Sleep Duration, Chronotype, and Insomnia and the Risk of Lung Cancer: United Kingdom Biobank Cohort. Cancer Epidemiology Biomarkers and Prevention, 2022, 31, 766-774.	1.1	13
108	Hypophosphatemia Regulates Molecular Mechanisms of Circadian Rhythm. Scientific Reports, 2018, 8, 13756.	1.6	12

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109	Aging, prevalence and risk factors of MRI-visible enlarged perivascular spaces. Aging, 2022, 14, 6844-6858.	1.4	12
110	Plasma Adiponectin, Clinical Factors, and Patient Outcomes during the Acute Respiratory Distress Syndrome. PLoS ONE, 2014, 9, e108561.	1.1	11
111	Genetic analyses of longitudinal phenotype data: a comparison of univariate methods and a multivariate approach. BMC Genetics, 2003, 4, S29.	2.7	9
112	Fine mapping the CETP region reveals a common intronic insertion associated to HDL-C. Npj Aging and Mechanisms of Disease, 2015, 1, 15011.	4.5	8
113	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. Human Molecular Genetics, 2016, 25, ddw289.	1.4	7
114	Transfers Among Women Intending A Birth Center Delivery in the San Diego Birth Center Study. Journal of Midwifery and Women's Health, 2009, 54, 104-110.	0.7	6
115	A Polymorphism in a Gene Encoding Perilipin 4 Is Associated with Height but not with Bone Measures in Individuals from the Framingham Osteoporosis Study. Calcified Tissue International, 2012, 90, 96-107.	1.5	5
116	Bone Strength Estimated by Micro-Finite Element Analysis (ÂµFEA) Is Heritable and Shares Genetic Predisposition With Areal BMD: The Framingham Study. Journal of Bone and Mineral Research, 2017, 32, 2151-2156.	3.1	5
117	Temporal and Quantitative Transcriptomic Differences Define Sexual Dimorphism in Murine Postnatal Bone Aging. JBMR Plus, 2022, 6, e10579.	1.3	4
118	Association of Apolipoprotein E É›4 Allele with Enlarged Perivascular Spaces. Annals of Neurology, 2022, 92, 23-31.	2.8	4
119	Clustering of temporal gene expression data with mixtures of mixed effects models with a penalized likelihood. Bioinformatics, 2019, 35, 778-786.	1.8	3
120	Response to Letter Regarding Article, â€œAssociation of Leukocyte Telomere Length With Circulating Biomarkers of the Renin-Angiotensin-Aldosterone System: The Framingham Heart Studyâ€• Circulation, 2008, 118, .	1.6	1
121	ICâ€02â€04: REGIONAL ASYMMETRIES IN AMYLOID AND TAU GO TOGETHER: EVIDENCE FOR LOCAL INTERACTION. Alzheimer's and Dementia, 2018, 14, P4.	0.4	1
122	Apolipoprotein A5 polymorphisms interact with dietary fat intake in association with markers of metabolic syndrome in the Boston Puerto Rican Health Study. FASEB Journal, 2009, 23, LB505.	0.2	0