

# Gina M Peloso

## List of Publications by Year in descending order

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Version: 2024-02-01

98  
papers

30,863  
citations

41344

49  
h-index

40979

93  
g-index

108  
all docs

108  
docs citations

108  
times ranked

48689  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of protein-coding genetic variation in 60,706 humans. <i>Nature</i> , 2016, 536, 285-291.	27.8	9,051
2	Biological, clinical and population relevance of 95 loci for blood lipids. <i>Nature</i> , 2010, 466, 707-713.	27.8	3,249
3	Discovery and refinement of loci associated with lipid levels. <i>Nature Genetics</i> , 2013, 45, 1274-1283.	21.4	2,641
4	Plasma HDL cholesterol and risk of myocardial infarction: a mendelian randomisation study. <i>Lancet</i> , The, 2012, 380, 572-580.	13.7	1,937
5	Sequencing of 53,831 diverse genomes from the NHLBI TOPMed Program. <i>Nature</i> , 2021, 590, 290-299.	27.8	1,069
6	Loss-of-Function Mutations in <i>APOC3</i> , Triglycerides, and Coronary Disease. <i>New England Journal of Medicine</i> , 2014, 371, 22-31.	27.0	936
7	Common variants associated with plasma triglycerides and risk for coronary artery disease. <i>Nature Genetics</i> , 2013, 45, 1345-1352.	21.4	754
8	Diagnostic Yield and Clinical Utility of Sequencing Familial Hypercholesterolemia Genes in Patients With Severe Hypercholesterolemia. <i>Journal of the American College of Cardiology</i> , 2016, 67, 2578-2589.	2.8	723
9	New insights into the genetic etiology of Alzheimer's disease and related dementias. <i>Nature Genetics</i> , 2022, 54, 412-436.	21.4	700
10	Exome Sequencing, <i>ANGPTL3</i> Mutations, and Familial Combined Hypolipidemia. <i>New England Journal of Medicine</i> , 2010, 363, 2220-2227.	27.0	640
11	Exome sequencing identifies rare LDLR and APOA5 alleles conferring risk for myocardial infarction. <i>Nature</i> , 2015, 518, 102-106.	27.8	581
12	Rare and low-frequency coding variants alter human adult height. <i>Nature</i> , 2017, 542, 186-190.	27.8	544
13	Genetics of blood lipids among ~300,000 multi-ethnic participants of the Million Veteran Program. <i>Nature Genetics</i> , 2018, 50, 1514-1523.	21.4	497
14	Exome-wide association study of plasma lipids in >300,000 individuals. <i>Nature Genetics</i> , 2017, 49, 1758-1766.	21.4	470
15	Rare variant in scavenger receptor BI raises HDL cholesterol and increases risk of coronary heart disease. <i>Science</i> , 2016, 351, 1166-1171.	12.6	438
16	Coding Variation in <i>ANGPTL4</i> , <i>LPL</i> and <i>SVEP1</i> and the Risk of Coronary Disease. <i>New England Journal of Medicine</i> , 2016, 374, 1134-1144.	27.0	427
17	Inactivating Mutations in <i>NPC1L1</i> and Protection from Coronary Heart Disease. <i>New England Journal of Medicine</i> , 2014, 371, 2072-2082.	27.0	386
18	The power of genetic diversity in genome-wide association studies of lipids. <i>Nature</i> , 2021, 600, 675-679.	27.8	353

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19	Forty-Three Loci Associated with Plasma Lipoprotein Size, Concentration, and Cholesterol Content in Genome-Wide Analysis. PLoS Genetics, 2009, 5, e1000730.	3.5	300
20	A genome-wide association study for blood lipid phenotypes in the Framingham Heart Study. BMC Medical Genetics, 2007, 8, S17.	2.1	289
21	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.	6.2	287
22	Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. Nature Genetics, 2018, 50, 26-41.	21.4	286
23	Best Practices and Joint Calling of the HumanExome BeadChip: The CHARGE Consortium. PLoS ONE, 2013, 8, e68095.	2.5	219
24	Systematic Evaluation of Pleiotropy Identifies 6 Further Loci Associated With Coronary Artery Disease. Journal of the American College of Cardiology, 2017, 69, 823-836.	2.8	214
25	Prospective functional classification of all possible missense variants in PPARG. Nature Genetics, 2016, 48, 1570-1575.	21.4	210
26	Whole-Exome Sequencing Identifies Rare and Low-Frequency Coding Variants Associated with LDL Cholesterol. American Journal of Human Genetics, 2014, 94, 233-245.	6.2	193
27	Phenotypic Characterization of Genetically Lowered Human Lipoprotein(a) Levels. Journal of the American College of Cardiology, 2016, 68, 2761-2772.	2.8	186
28	Association of Low-Density Lipoprotein Cholesterol-Related Genetic Variants With Aortic Valve Calcium and Incident Aortic Stenosis. JAMA - Journal of the American Medical Association, 2014, 312, 1764.	7.4	184
29	Meta-analysis of gene-level tests for rare variant association. Nature Genetics, 2014, 46, 200-204.	21.4	178
30	Low-frequency and rare exome chip variants associate with fasting glucose and type 2 diabetes susceptibility. Nature Communications, 2015, 6, 5897.	12.8	173
31	Long-Term Cardiovascular Risk in Women With Hypertension During Pregnancy. Journal of the American College of Cardiology, 2019, 74, 2743-2754.	2.8	169
32	Association of Sickle Cell Trait With Chronic Kidney Disease and Albuminuria in African Americans. JAMA - Journal of the American Medical Association, 2014, 312, 2115.	7.4	167
33	Association of Rare and Common Variation in the Lipoprotein Lipase Gene With Coronary Artery Disease. JAMA - Journal of the American Medical Association, 2017, 317, 937.	7.4	148
34	Dynamic incorporation of multiple in silico functional annotations empowers rare variant association analysis of large whole-genome sequencing studies at scale. Nature Genetics, 2020, 52, 969-983.	21.4	146
35	Deep-coverage whole genome sequences and blood lipids among 16,324 individuals. Nature Communications, 2018, 9, 3391.	12.8	140
36	Exome chip meta-analysis identifies novel loci and East Asian-specific coding variants that contribute to lipid levels and coronary artery disease. Nature Genetics, 2017, 49, 1722-1730.	21.4	129

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37	Loss of Function of GALNT2 Lowers High-Density Lipoproteins in Humans, Nonhuman Primates, and Rodents. <i>Cell Metabolism</i> , 2016, 24, 234-245.	16.2	103
38	A genomic approach to therapeutic target validation identifies a glucose-lowering <i>GLP1R</i> variant protective for coronary heart disease. <i>Science Translational Medicine</i> , 2016, 8, 341ra76.	12.4	100
39	Recurring exon deletions in the HP (haptoglobin) gene contribute to lower blood cholesterol levels. <i>Nature Genetics</i> , 2016, 48, 359-366.	21.4	93
40	Protein-coding variants implicate novel genes related to lipid homeostasis contributing to body-fat distribution. <i>Nature Genetics</i> , 2019, 51, 452-469.	21.4	89
41	Transcriptomic signatures across human tissues identify functional rare genetic variation. <i>Science</i> , 2020, 369, .	12.6	89
42	A human APOC3 missense variant and monoclonal antibody accelerate apoC-III clearance and lower triglyceride-rich lipoprotein levels. <i>Nature Medicine</i> , 2017, 23, 1086-1094.	30.7	88
43	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, 3524-3532.	4.2	87
44	Platelet-Related Variants Identified by Exomechip Meta-analysis in 157,293 Individuals. <i>American Journal of Human Genetics</i> , 2016, 99, 40-55.	6.2	82
45	Deep coverage whole genome sequences and plasma lipoprotein(a) in individuals of European and African ancestries. <i>Nature Communications</i> , 2018, 9, 2606.	12.8	79
46	Multi-ancestry fine mapping implicates OAS1 splicing in risk of severe COVID-19. <i>Nature Genetics</i> , 2022, 54, 125-127.	21.4	75
47	Protein-Truncating Variants at the Cholesteryl Ester Transfer Protein Gene and Risk for Coronary Heart Disease. <i>Circulation Research</i> , 2017, 121, 81-88.	4.5	68
48	Phenotypic extremes in rare variant study designs. <i>European Journal of Human Genetics</i> , 2016, 24, 924-930.	2.8	65
49	Rare Protein-Truncating Variants in <i>APOB</i> , Lower Low-Density Lipoprotein Cholesterol, and Protection Against Coronary Heart Disease. <i>Circulation Genomic and Precision Medicine</i> , 2019, 12, e002376.	3.6	57
50	Aggregate penetrance of genomic variants for actionable disorders in European and African Americans. <i>Science Translational Medicine</i> , 2016, 8, 364ra151.	12.4	55
51	Systematic Cell-Based Phenotyping of Missense Alleles Empowers Rare Variant Association Studies: A Case for LDLR and Myocardial Infarction. <i>PLoS Genetics</i> , 2015, 11, e1004855.	3.5	50
52	Genome of the Netherlands population-specific imputations identify an ABCA6 variant associated with cholesterol levels. <i>Nature Communications</i> , 2015, 6, 6065.	12.8	45
53	Whole-Exome Sequencing Identifies Loci Associated with Blood Cell Traits and Reveals a Role for Alternative <i>GFI1B</i> Splice Variants in Human Hematopoiesis. <i>American Journal of Human Genetics</i> , 2016, 99, 481-488.	6.2	45
54	Heterozygous <i>ABCG5</i> Gene Deficiency and Risk of Coronary Artery Disease. <i>Circulation Genomic and Precision Medicine</i> , 2020, 13, 417-423.	3.6	45

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55	Beverage Consumption and Longitudinal Changes in Lipoprotein Concentrations and Incident Dyslipidemia in US Adults: The Framingham Heart Study. <i>Journal of the American Heart Association</i> , 2020, 9, e014083.	3.7	38
56	Cardiovascular health, genetic risk, and risk of dementia in the Framingham Heart Study. <i>Neurology</i> , 2020, 95, e1341-e1350.	1.1	37
57	Mendelian randomization supports bidirectional causality between telomere length and clonal hematopoiesis of indeterminate potential. <i>Science Advances</i> , 2022, 8, eabl6579.	10.3	36
58	Genetic variants in CETP increase risk of intracerebral hemorrhage. <i>Annals of Neurology</i> , 2016, 80, 730-740.	5.3	33
59	Multiple Associated Variants Increase the Heritability Explained for Plasma Lipids and Coronary Artery Disease. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 583-587.	5.1	29
60	Structured mating: Patterns and implications. <i>PLoS Genetics</i> , 2017, 13, e1006655.	3.5	29
61	Genetic Variation in Cardiometabolic Traits and Medication Targets and the Risk of Hypertensive Disorders of Pregnancy. <i>Circulation</i> , 2020, 142, 711-713.	1.6	27
62	Genetic variants primarily associated with type 2 diabetes are related to coronary artery disease risk. <i>Atherosclerosis</i> , 2015, 241, 419-426.	0.8	26
63	Association of Triglyceride-Related Genetic Variants With Mitral Annular Calcification. <i>Journal of the American College of Cardiology</i> , 2017, 69, 2941-2948.	2.8	25
64	New Sequencing technologies help revealing unexpected mutations in Autosomal Dominant Hypercholesterolemia. <i>Scientific Reports</i> , 2018, 8, 1943.	3.3	25
65	Rare coding variants in 35 genes associate with circulating lipid levels—A multi-ancestry analysis of 170,000 exomes. <i>American Journal of Human Genetics</i> , 2022, 109, 81-96.	6.2	24
66	Chromosome Xq23 is associated with lower atherogenic lipid concentrations and favorable cardiometabolic indices. <i>Nature Communications</i> , 2021, 12, 2182.	12.8	17
67	Two-sample Multivariable Mendelian Randomization Analysis Using R. <i>Current Protocols</i> , 2021, 1, e335.	2.9	17
68	Choice of population structure informative principal components for adjustment in a case-control study. <i>BMC Genetics</i> , 2011, 12, 64.	2.7	15
69	Targeted exonic sequencing of GWAS loci in the high extremes of the plasma lipids distribution. <i>Atherosclerosis</i> , 2016, 250, 63-68.	0.8	11
70	Lipoprotein(a) and Coronary Artery Disease Risk Without a Family History of Heart Disease. <i>Journal of the American Heart Association</i> , 2021, 10, e017470.	3.7	10
71	A null mutation in ANGPTL8 does not associate with either plasma glucose or type 2 diabetes in humans. <i>BMC Endocrine Disorders</i> , 2016, 16, 7.	2.2	9
72	Insights from population-based analyses of plasma lipids across the allele frequency spectrum. <i>Current Opinion in Genetics and Development</i> , 2018, 50, 1-6.	3.3	9

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73	Genetic Loci Associated With COVID-19 Positivity and Hospitalization in White, Black, and Hispanic Veterans of the VA Million Veteran Program. <i>Frontiers in Genetics</i> , 2021, 12, 777076.	2.3	9
74	Association of Exome Sequences With Cardiovascular Traits Among Blacks in the Jackson Heart Study. <i>Circulation: Cardiovascular Genetics</i> , 2016, 9, 368-374.	5.1	8
75	EDEM3 Modulates Plasma Triglyceride Level through Its Regulation of LRP1 Expression. <i>IScience</i> , 2020, 23, 100973.	4.1	8
76	Sugar-Sweetened Beverage Consumption May Modify Associations Between Genetic Variants in the CHREBP (Carbohydrate Responsive Element Binding Protein) Locus and HDL-C (High-Density Lipoprotein) Tj ETQq0,0,0 rgBT /Overlock 1 e003288.	3.6	8
77	Robust, flexible, and scalable tests for Hardyâ€“Weinberg equilibrium across diverse ancestries. <i>Genetics</i> , 2021, 218, .	2.9	6
78	Genetic Interaction with Plasma Lipids on Alzheimerâ€™s Disease in the Framingham Heart Study. <i>Journal of Alzheimer's Disease</i> , 2018, 66, 1275-1282.	2.6	5
79	Evaluation of a phenotype imputation approach using GAW20 simulated data. <i>BMC Proceedings</i> , 2018, 12, 56.	1.6	5
80	Genome-wide association study for multiple phenotype analysis. <i>BMC Proceedings</i> , 2018, 12, 55.	1.6	5
81	Searching for parent-of-origin effects on cardiometabolic traits in imprinted genomic regions. <i>European Journal of Human Genetics</i> , 2020, 28, 646-655.	2.8	5
82	Exploiting family history in aggregation unit-based genetic association tests. <i>European Journal of Human Genetics</i> , 2022, 30, 1355-1362.	2.8	4
83	Evaluation of methods accounting for population structure with pedigree data and continuous outcomes. <i>Genetic Epidemiology</i> , 2011, 35, n/a-n/a.	1.3	3
84	Observational and Genetic Associations of Resting Heart Rate With Aortic Valve Calcium. <i>American Journal of Cardiology</i> , 2018, 121, 1246-1252.	1.6	3
85	Evaluation of population stratification adjustment using genomeâ€“wide or exonic variants. <i>Genetic Epidemiology</i> , 2020, 44, 702-716.	1.3	3
86	Genetically elevated highâ€“density lipoprotein cholesterol through the cholesteryl ester transfer protein gene does not associate with risk of Alzheimer's disease. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2018, 10, 595-598.	2.4	2
87	History of Suicide Attempts and COVID-19 Infection in Veterans with Schizophrenia or Schizoaffective Disorder: Moderating Effects of Age and Body Mass Index. <i>Complex Psychiatry</i> , 2022, 8, 28-34.	0.9	2
88	Genome-wide and phenome-wide analysis of ideal cardiovascular health in the VA Million Veteran Program. <i>PLoS ONE</i> , 2022, 17, e0267900.	2.5	2
89	Family history aggregation unit-based tests to detect rare genetic variant associations with application to the Framingham Heart Study. <i>American Journal of Human Genetics</i> , 2022, 109, 738-749.	6.2	1
90	P2â€“11: INTERACTION BETWEEN ALZHEIMER'S DISEASE GENETIC RISK SCORE AND MIDLIFE PLASMA LIPID LEVELS ON ALZHEIMER â€™S DISEASE IN THE FRAMINGHAM HEART STUDY. <i>Alzheimer's and Dementia</i> , 2018, 14, P711.	0.8	0

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91	Beverage Consumption and Longitudinal Changes in Lipid Concentrations and Incident Dyslipidemia in U.S. Adults: The Framingham Heart Study (P18-017-19). Current Developments in Nutrition, 2019, 3, nzz039.P18-017-19.	0.3	0
92	Interactions Between Sugar-Sweetened Beverage Consumption and Genetic Variants in the ChREBP Locus on Lipoprotein Concentrations in the UK Biobank: A Replication Study. Current Developments in Nutrition, 2020, 4, nzaa058_013.	0.3	0
93	Associations Between Genetic Variants near the CHREBP Locus and Lipoprotein Concentrations May Be Modified by Sugar-Sweetened Beverage Consumption. Current Developments in Nutrition, 2020, 4, nzaa058_014.	0.3	0
94	Genetic analysis of biobank data: Familial history aggregation-based tests (FHAT) with application to Alzheimer's disease. Alzheimer's and Dementia, 2020, 16, e038648.	0.8	0
95	Comparative trans-ethnic meta-analysis of whole exome sequencing variation for Alzheimer's disease (AD) in 18,402 individuals of the Alzheimer's Disease Sequencing Project (ADSP). Alzheimer's and Dementia, 2020, 16, e041583.	0.8	0
96	Assessing whole genome sequencing variation for Alzheimer's disease in 4707 individuals from the Alzheimer's Disease Sequencing Project (ADSP). Alzheimer's and Dementia, 2020, 16, e045548.	0.8	0
97	Frequency of familial Alzheimer's disease gene mutations within the Alzheimer Disease Sequencing Project (ADSP). Alzheimer's and Dementia, 2020, 16, e046203.	0.8	0
98	Whole genome sequencing analysis of cognitively Welllderly individuals identifies potential protective genetic variants for Alzheimer's disease.. Alzheimer's and Dementia, 2021, 17 Suppl 3, e054917.	0.8	0