Nicholette D Palmer

List of Publications by Year
in descending order

118 papers	10,517 citations	66343 42 h-index	40979 93 g-index
131 all docs	131 docs citations	131 times ranked	18196 citing authors

#	Article	IF	Citations
1	Genetic variants in novel pathways influence blood pressure and cardiovascular disease risk. Nature, 2011, 478, 103-109.	27.8	1,855
2	Sequencing of 53,831 diverse genomes from the NHLBI TOPMed Program. Nature, 2021, 590, 290-299.	27.8	1,069
3	The genetic architecture of type 2 diabetes. Nature, 2016, 536, 41-47.	27.8	952
4	A catalog of genetic loci associated with kidney function from analyses of a million individuals. Nature Genetics, 2019, 51, 957-972.	21.4	549
5	Inherited causes of clonal haematopoiesis in 97,691 whole genomes. Nature, 2020, 586, 763-768.	27.8	376
6	The trans-ancestral genomic architecture of glycemic traits. Nature Genetics, 2021, 53, 840-860.	21.4	341
7	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
8	Use of >100,000 NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium whole genome sequences improves imputation quality and detection of rare variant associations in admixed African and Hispanic/Latino populations. PLoS Genetics, 2019, 15, e1008500.	3.5	203
9	Metabolomic Profile Associated With Insulin Resistance and Conversion to Diabetes in the Insulin Resistance Atherosclerosis Study. Journal of Clinical Endocrinology and Metabolism, 2015, 100, E463-E468.	3.6	199
10	A Genome-Wide Association Search for Type 2 Diabetes Genes in African Americans. PLoS ONE, 2012, 7, e29202.	2.5	197
11	Meta-Analysis of Genome-Wide Association Studies in African Americans Provides Insights into the Genetic Architecture of Type 2 Diabetes. PLoS Genetics, 2014, 10, e1004517.	3.5	191
12	Low-frequency and rare exome chip variants associate with fasting glucose and type 2 diabetes susceptibility. Nature Communications, 2015, 6, 5897.	12.8	173
13	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
14	APOL1 Genotype and Kidney Transplantation Outcomes From Deceased African American Donors. Transplantation, 2016, 100, 194-202.	1.0	137
15	A genome-wide association study for diabetic nephropathy genes in African Americans. Kidney International, 2011, 79, 563-572.	5.2	135
16	Genome-wide association meta-analyses and fine-mapping elucidate pathways influencing albuminuria. Nature Communications, 2019, 10, 4130.	12.8	133
17	Association Analysis in African Americans of European-Derived Type 2 Diabetes Single Nucleotide Polymorphisms From Whole-Genome Association Studies. Diabetes, 2008, 57, 2220-2225.	0.6	131
18	Characterization of european ancestry nonalcoholic fatty liver disease-associated variants in individuals of african and hispanic descent. Hepatology, 2013, 58, 966-975.	7.3	126

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19	A Large-Scale Multi-ancestry Genome-wide Study Accounting for Smoking Behavior Identifies Multiple Significant Loci for Blood Pressure. American Journal of Human Genetics, 2018, 102, 375-400.	6.2	123
20	Multi-ancestry genome-wide geneâ€“smoking interaction study of 387,272 individuals identifies new loci associated with serum lipids. Nature Genetics, 2019, 51, 636-648.	21.4	112
21	A Genome-Wide Association Study of IVGTT-Based Measures of First-Phase Insulin Secretion Refines the Underlying Physiology of Type 2 Diabetes Variants. Diabetes, 2017, 66, 2296-2309.	0.6	102
22	Quantitative Trait Analysis of Type 2 Diabetes Susceptibility Loci Identified From Whole Genome Association Studies in the Insulin Resistance Atherosclerosis Family Study. Diabetes, 2008, 57, 1093-1100.	0.6	99
23	Novel genetic associations for blood pressure identified via gene-alcohol interaction in up to 570K individuals across multiple ancestries. PLoS ONE, 2018, 13, e0198166.	2.5	94
24	Multiancestry Genome-Wide Association Study of Lipid Levels Incorporating Gene-Alcohol Interactions. American Journal of Epidemiology, 2019, 188, 1033-1054.	3.4	85
25	Association of Protein Tyrosine Phosphatase 1B Gene Polymorphisms With Measures of Glucose Homeostasis in Hispanic Americans: The Insulin Resistance Atherosclerosis Study (IRAS) Family Study. Diabetes, 2004, 53, 3013-3019.	0.6	83
26	Molecular basis of a linkage peak: exome sequencing and family-based analysis identify a rare genetic variant in the ADIPOQ gene in the IRAS Family Study. Human Molecular Genetics, 2010, 19, 4112-4120.	2.9	82
27	Genetic Variants Associated With Quantitative Glucose Homeostasis Traits Translate to Type 2 Diabetes in Mexican Americans: The GUARDIAN (Genetics Underlying Diabetes in Hispanics) Consortium. Diabetes, 2015, 64, 1853-1866.	0.6	77
28	rs641738C>T near MBOAT7 is associated with liver fat, ALT and fibrosis in NAFLD: A meta-analysis. Journal of Hepatology, 2021, 74, 20-30.	3.7	77
29	Resequencing and Analysis of Variation in the TCF7L2 Gene in African Americans Suggests That SNP rs7903146 Is the Causal Diabetes Susceptibility Variant. Diabetes, 2011, 60, 662-668.	0.6	74
30	APOL1 associations with nephropathy, atherosclerosis, and all-cause mortality in African Americans with type 2 diabetes. Kidney International, 2015, 87, 176-181.	5.2	71
31	A high-resolution HLA reference panel capturing global population diversity enables multi-ancestry fine-mapping in HIV host response. Nature Genetics, 2021, 53, 1504-1516.	21.4	69
32	Genome-wide association study of vitamin D concentrations in Hispanic Americans: The IRAS Family Study. Journal of Steroid Biochemistry and Molecular Biology, 2010, 122, 186-192.	2.5	64
33	Multi-ancestry study of blood lipid levels identifies four loci interacting with physical activity. Nature Communications, 2019, 10, 376.	12.8	64
34	Genome-wide association study of serum liver enzymes implicates diverse metabolic and liver pathology. Nature Communications, 2021, 12, 816.	12.8	64
35	Multi-ancestry sleep-by-SNP interaction analysis in 126,926 individuals reveals lipid loci stratified by sleep duration. Nature Communications, 2019, 10, 5121.	12.8	62
36	APOL1 Long-term Kidney Transplantation Outcomes Network (APOLLO): DesignÂandÂRationale. Kidney International Reports, 2020, 5, 278-288.	0.8	62

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37	Transferability and Fine Mapping of Type 2 Diabetes Loci in African Americans. Diabetes, 2013, 62, 965-976.	0.6	59
38	Genome-wide association studies suggest that APOL1-environment interactions more likely trigger kidney disease in African Americans with nondiabetic nephropathy than strong APOL1â€“second gene interactions. Kidney International, 2018, 94, 599-607.	5.2	58
39	Trans-ethnic Meta-analysis and Functional Annotation Illuminates theÂGenetic Architecture of Fasting Glucose and Insulin. American Journal of Human Genetics, 2016, 99, 56-75.	6.2	55
40	Genome-wide association study of coronary artery calcified atherosclerotic plaque in African Americans with type 2 diabetes. BMC Genetics, 2017, 18, 105.	2.7	54
41	Evaluation of Candidate Nephropathy Susceptibility Genes in a Genome-Wide Association Study of African American Diabetic Kidney Disease. PLoS ONE, 2014, 9, e88273.	2.5	48
42	A Low-Frequency Inactivating AKT2 Variant Enriched in the Finnish Population Is Associated With Fasting Insulin Levels and Type 2 Diabetes Risk. Diabetes, 2017, 66, 2019-2032.	0.6	47
43	Association of TCF7L2 Gene Polymorphisms with Reduced Acute Insulin Response in Hispanic Americans. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 304-309.	3.6	44
44	Mapping adipose and muscle tissue expression quantitative trait loci in African Americans to identify genes for type 2 diabetes and obesity. Human Genetics, 2016, 135, 869-880.	3.8	44
45	Admixture Mapping of Coronary Artery Calcified Plaque in African Americans With Type 2 Diabetes Mellitus. Circulation: Cardiovascular Genetics, 2013, 6, 97-105.	5.1	43
46	Population sequencing data reveal a compendium of mutational processes in the human germ line. Science, 2021, 373, 1030-1035.	12.6	43
47	Genetic Architecture of Primary Open-Angle Glaucoma in Individuals of African Descent. Ophthalmology, 2019, 126, 38-48.	5.2	40
48	Loss-of-function genomic variants highlight potential therapeutic targets for cardiovascular disease. Nature Communications, 2020, 11, 6417.	12.8	39
49	Cerebral Structural Changes in Diabetic Kidney Disease: African Americanâ€“Diabetes Heart Study MIND. Diabetes Care, 2015, 38, 206-212.	8.6	36
50	Mendelian randomization supports bidirectional causality between telomere length and clonal hematopoiesis of indeterminate potential. Science Advances, 2022, 8, eabl6579.	10.3	36
51	Insights into the Genetic Architecture of Diabetic Nephropathy. Current Diabetes Reports, 2012, 12, 423-431.	4.2	35
52	Associations of Early Kidney Disease With Brain Magnetic Resonance Imaging and Cognitive Function in African Americans With Type 2 Diabetes Mellitus. American Journal of Kidney Diseases, 2017, 70, 627-637.	1.9	35
53	Genetic Mapping of Disposition Index and Acute Insulin Response Loci on Chromosome 11q: The Insulin Resistance Atherosclerosis Study (IRAS) Family Study. Diabetes, 2006, 55, 911-918.	0.6	34
54	Population Ancestry and Genetic Risk for Diabetes and Kidney, Cardiovascular, and Bone Disease: Modifiable Environmental Factors May Produce the Cures. American Journal of Kidney Diseases, 2013, 62, 1165-1175.	1.9	34

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55	Transethnic Evaluation Identifies Low-Frequency Loci Associated With 25-Hydroxyvitamin D Concentrations. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 1380-1392.	3.6	33
56	Genome-wide association study identifies novel loci for type 2 diabetes-attributed end-stage kidney disease in African Americans. Human Genomics, 2019, 13, 21.	2.9	32
57	Sequence data and association statistics from 12,940 type 2 diabetes cases and controls. Scientific Data, 2017, 4, 170179.	5.3	31
58	A multi-ancestry genome-wide study incorporating geneâ€“smoking interactions identifies multiple new loci for pulse pressure and mean arterial pressure. Human Molecular Genetics, 2019, 28, 2615-2633.	2.9	31
59	Genetic determinants of telomere length from 109,122 ancestrally diverse whole-genome sequences in TOPMed. Cell Genomics, 2022, 2, 100084.	6.5	29
60	Circulating trimethylamine N-oxide in association with diet and cardiometabolic biomarkers: an international pooled analysis. American Journal of Clinical Nutrition, 2021, 113, 1145-1156.	4.7	27
61	Plasma FGF23 and Calcified Atherosclerotic Plaque in African Americans with Type 2 Diabetes Mellitus. American Journal of Nephrology, 2015, 42, 391-401.	3.1	26
62	APOL1 renal-risk genotypes associate with longer hemodialysis survival in prevalent nondiabetic African American patients with end-stage renal disease. Kidney International, 2016, 90, 389-395.	5.2	25
63	Association Analysis of the Cubilin (CUBN) and Megalin (LRP2) Genes with ESRD in African Americans. Clinical Journal of the American Society of Nephrology: CJASN, 2016, 11, 1034-1043.	4.5	24
64	Tissue-Specific and Genetic Regulation of Insulin Sensitivity-Associated Transcripts in African Americans. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 1455-1468.	3.6	24
65	Rare coding variants in 35 genes associate with circulating lipid levelsâ€”A multi-ancestry analysis of 170,000 exomes. American Journal of Human Genetics, 2022, 109, 81-96.	6.2	24
66	APOL1nephropathy risk variants are associated with altered high-density lipoprotein profiles in African Americans. Nephrology Dialysis Transplantation, 2016, 31, 602-608.	0.7	23
67	FGF23 Concentration and APOL1 Genotype Are Novel Predictors of Mortality in African Americans With Type 2 Diabetes. Diabetes Care, 2018, 41, 178-186.	8.6	21
68	Genomeâ€Wide Association Study Identifies Loci for Liver Enzyme Concentrations in Mexican Americans: The GUARDIAN Consortium. Obesity, 2019, 27, 1331-1337.	3.0	20
69	Allele-specific variation atAPOEincreases nonalcoholic fatty liver disease and obesity but decreases risk of Alzheimerâ€™s disease and myocardial infarction. Human Molecular Genetics, 2021, 30, 1443-1456.	2.9	20
70	Analysis of coding variants identified from exome sequencing resources for association with diabetic and non-diabetic nephropathy in African Americans. Human Genetics, 2014, 133, 769-779.	3.8	19
71	Metabolomics Identifies Distinctive Metabolite Signatures for Measures of Glucose Homeostasis: The Insulin Resistance Atherosclerosis Family Study (IRAS-FS). Journal of Clinical Endocrinology and Metabolism, 2018, 103, 1877-1888.	3.6	19
72	A Comprehensive Analysis of Common and Rare Variants to Identify Adiposity Loci in Hispanic Americans: The IRAS Family Study (IRASFS). PLoS ONE, 2015, 10, e0134649.	2.5	18

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73	Deceased donor multidrug resistance protein 1 and caveolin 1 gene variants may influence allograft survival in kidney transplantation. Kidney International, 2015, 88, 584-592.	5.2	18
74	Genetic architecture of lipid traits in the Hispanic community health study/study of Latinos. Lipids in Health and Disease, 2017, 16, 200.	3.0	18
75	Discovery and fine-mapping of height loci via high-density imputation of GWASs in individuals of African ancestry. American Journal of Human Genetics, 2021, 108, 564-582.	6.2	18
76	Plasma metabolomic profiling in subclinical atherosclerosis: the Diabetes Heart Study. Cardiovascular Diabetology, 2021, 20, 231.	6.8	18
77	Genomeâ€wide interaction with the insulin secretion locus MTNR1B reveals CMIP as a novel type 2 diabetes susceptibility gene in African Americans. Genetic Epidemiology, 2018, 42, 559-570.	1.3	17
78	Exome Chip Analysis Identifies Low-Frequency and Rare Variants in MRPL38 for White Matter Hyperintensities on Brain Magnetic Resonance Imaging. Stroke, 2018, 49, 1812-1819.	2.0	17
79	Gene-educational attainment interactions in a multi-ancestry genome-wide meta-analysis identify novel blood pressure loci. Molecular Psychiatry, 2020, 26, 2111-2125.	7.9	17
80	Chromosome Xq23 is associated with lower atherogenic lipid concentrations and favorable cardiometabolic indices. Nature Communications, 2021, 12, 2182.	12.8	17
81	Differential and shared genetic effects on kidney function between diabetic and non-diabetic individuals. Communications Biology, 2022, 5, .	4.4	17
82	Genomeâ€Wide Study of Subcutaneous and Visceral Adipose Tissue Reveals Novel Sexâ€Specific Adiposity Loci in Mexican Americans. Obesity, 2018, 26, 202-212.	3.0	16
83	Coding Variants in Nephrin (NPHS1) and Susceptibility to Nephropathy in African Americans. Clinical Journal of the American Society of Nephrology: CJASN, 2014, 9, 1434-1440.	4.5	15
84	Genomeâ€Wide Familyâ€Based Linkage Analysis of Exome Chip Variants and Cardiometabolic Risk. Genetic Epidemiology, 2014, 38, 345-352.	1.3	15
85	Classification of Type 2 Diabetes Genetic Variants and a Novel Genetic Risk Score Association With Insulin Clearance. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 1251-1260.	3.6	15
86	Complement factor H gene associations with end-stage kidney disease in African Americans. Nephrology Dialysis Transplantation, 2014, 29, 1409-1414.	0.7	14
87	APOL1 renal-risk variants associate with reduced cerebral white matter lesion volume and increased gray matter volume. Kidney International, 2016, 90, 440-449.	5.2	14
88	FRMD3 in diabetic nephropathyâ€”guilt by association. Nature Reviews Nephrology, 2013, 9, 313-314.	9.6	13
89	Kidney Disease and Cognitive Function: African American-Diabetes Heart Study MIND. American Journal of Nephrology, 2014, 40, 200-207.	3.1	13
90	The African Descent and Glaucoma Evaluation Study (ADAGES) III. Ophthalmology, 2019, 126, 156-170.	5.2	13

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91	Genomeâ€wide association study for time to failure of kidney transplants from African American deceased donors. Clinical Transplantation, 2020, 34, e13827.	1.6	13
92	Multi-ancestry genome-wide geneâ€“sleep interactions identify novel loci for blood pressure. Molecular Psychiatry, 2021, 26, 6293-6304.	7.9	13
93	An Exome-wide Association Study for Type 2 Diabetesâ€“Attributed End-Stage Kidney Disease in African Americans. Kidney International Reports, 2018, 3, 867-878.	0.8	12
94	A Noncoding Variant Near PPP1R3B Promotes Liver Glycogen Storage and MetS, but Protects Against Myocardial Infarction. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 372-387.	3.6	12
95	Evaluation of DLG2 as a positional candidate for disposition index in African-Americans from the IRAS family study. Diabetes Research and Clinical Practice, 2010, 87, 69-76.	2.8	11
96	Associations of circulating choline and its related metabolites with cardiometabolic biomarkers: an international pooled analysis. American Journal of Clinical Nutrition, 2021, 114, 893-906.	4.7	11
97	Cerebral structure and cognitive performance in African Americans and European Americans with type 2 diabetes. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 407-414.	3.6	10
98	Subclinical Atherosclerosis Is Inversely Associated With Gray Matter Volume in African Americans With Type 2 Diabetes. Diabetes Care, 2015, 38, 2158-2165.	8.6	9
99	Genetic analysis of adiponectin variation and its association with type 2 diabetes in African Americans. Obesity, 2013, 21, E721-9.	3.0	8
100	A genomeâ€wide linkage and association analysis of imputed insertions and deletions with cardiometabolic phenotypes in Mexican Americans: The Insulin Resistance Atherosclerosis Family Study. Genetic Epidemiology, 2017, 41, 353-362.	1.3	8
101	Genome-Wide Interaction with Insulin Secretion Loci Reveals Novel Loci for Type 2 Diabetes in African Americans. PLoS ONE, 2016, 11, e0159977.	2.5	7
102	Association of the Kir6.2 E23K Variant with Reduced Acute Insulin Response in African-Americans. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 4979-4983.	3.6	6
103	Analysis of Whole Exome Sequencing with Cardiometabolic Traits Using Family-Based Linkage and Association in the IRAS Family Study. Annals of Human Genetics, 2017, 81, 49-58.	0.8	6
104	Robust, flexible, and scalable tests for Hardyâ€“Weinberg equilibrium across diverse ancestries. Genetics, 2021, 218, .	2.9	6
105	Genome-wide association study of vitamin D concentrations and bone mineral density in the African American-Diabetes Heart Study. PLoS ONE, 2021, 16, e0251423.	2.5	6
106	Admixture mapping of serum vitamin D and parathyroid hormone concentrations in the African Americanâ€”Diabetes Heart Study. Bone, 2016, 87, 71-77.	2.9	5
107	Skeletal muscle extracellular matrix remodeling with worsening glycemic control in nonhuman primates. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 320, R226-R235.	1.8	5
108	APOL1 Risk Variants Impair Multiple Mitochondrial Pathways in a Metabolomics Analysis. Kidney360, 2020, 1, 1353-1362.	2.1	5

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109	The Role of Copy Number Variation in African Americans with Type 2 Diabetes-Associated End Stage Renal Disease. Journal of Molecular and Genetic Medicine: an International Journal of Biomedical Research, 2013, 07, 61.	0.1	4
110	Improved Performance of Dynamic Measures of Insulin Response Over Surrogate Indices to Identify Genetic Contributors of Type 2 Diabetes: The GUARDIAN Consortium. Diabetes, 2016, 65, 2072-2080.	0.6	4
111	Genome-wide linkage and association analysis of cardiometabolic phenotypes in Hispanic Americans. Journal of Human Genetics, 2017, 62, 175-184.	2.3	4
112	Metabolomic architecture of obesity implicates metabolonic lactone sulfate in cardiometabolic disease. Molecular Metabolism, 2021, 54, 101342.	6.5	3
113	Ancestral diversity improves discovery and fine-mapping of genetic loci for anthropometric traitsâ€"The Hispanic/Latino Anthropometry Consortium. Human Genetics and Genomics Advances, 2022, 3, 100099.	1.7	3
114	Adiponectin Isoform Patterns in Ethnicâ€Specific ADIPOQ Mutation Carriers: The IRAS Family Study. Obesity, 2017, 25, 1384-1390.	3.0	2
115	Genetic factors in the regulation of blood pressure. Nature Reviews Nephrology, 2016, 12, 716-717.	9.6	1
116	Urine APOL1 Isoforms Reflect Plasma-Derived Liver-Synthesized Proteins. Journal of the American Society of Nephrology: JASN, 2021, 32, 2442-2444.	6.1	1
117	[P4â€"350]: THE SOLUBLE RECEPTOR FOR ADVANCED GLYCATION ENDPRODUCTS IS ASSOCIATED WITH EXECUTIVE FUNCTION IN TYPE 2 DIABETES. Alzheimer's and Dementia, 2017, 13, P1424.	0.8	0
118	Have We Made â€œRapid Progressâ€•Understanding the Pathogenesis in Rapidly Progressive Glomerulonephritis?. American Journal of Nephrology, 2018, 48, 190-192.	3.1	0