Chao-Qiang Lai

List of Publications by Citations

167 papers	6,752 citations	42 h-index	76 g-index
177 ext. papers	8,240 ext. citations	5.7 avg, IF	5.38 L-index

#	Paper	IF	Citations
167	Mixed linear model approach adapted for genome-wide association studies. *Nature Genetics*, **2010**, 42, 355-60	36.3	1259
166	Common missense variant in the glucokinase regulatory protein gene is associated with increased plasma triglyceride and C-reactive protein but lower fasting glucose concentrations. *Diabetes*, **2008**, 57, 3112-21	0.9	223
165	The rubber tree genome reveals new insights into rubber production and species adaptation. *Nature Plants*, **2016**, 2, 16073	11.5	209
164	The genetic architecture of response to long-term artificial selection for oil concentration in the maize kernel. *Genetics*, **2004**, 168, 2141-55	4	173
163	Naturally occurring variation in bristle number and DNA polymorphisms at the scabrous locus of Drosophila melanogaster. *Science*, **1994**, 266, 1697-702	33.3	151
162	Influence of the APOA5 locus on plasma triglyceride, lipoprotein subclasses, and CVD risk in the Framingham Heart Study. *Journal of Lipid Research*, **2004**, 45, 2096-105	6.3	138
161	The APOA5 locus is a strong determinant of plasma triglyceride concentrations across ethnic groups in Singapore. *Journal of Lipid Research*, **2003**, 44, 2365-73	6.3	119
160	APOA2, dietary fat, and body mass index: replication of a gene-diet interaction in 3 independent populations. *Archives of Internal Medicine*, **2009**, 169, 1897-906		118
159	CLOCK genetic variation and metabolic syndrome risk: modulation by monounsaturated fatty acids. *American Journal of Clinical Nutrition*, **2009**, 90, 1466-75	7	115
158	Expression profiling of neural cells reveals specific patterns of ethanol-responsive gene expression. *Molecular Pharmacology*, **2000**, 58, 1593-600	4.3	109
157	Fenofibrate effect on triglyceride and postprandial response of apolipoprotein A5 variants: the GOLDN study. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2007**, 27, 1417-25	9.4	106
156	The APOA1/C3/A4/A5 gene cluster, lipid metabolism and cardiovascular disease risk. *Current Opinion in Lipidology*, **2005**, 16, 153-66	4.4	104
155	The -256T>C polymorphism in the apolipoprotein A-II gene promoter is associated with body mass index and food intake in the genetics of lipid lowering drugs and diet network study. *Clinical Chemistry*, **2007**, 53, 1144-52	5.5	103
154	Association of vitamin B-6 status with inflammation, oxidative stress, and chronic inflammatory conditions: the Boston Puerto Rican Health Study. *American Journal of Clinical Nutrition*, **2010**, 91, 337-42	7	100
153	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. *Circulation*, **2006**, 113, 2062-70	16.7	96
152	Population admixture associated with disease prevalence in the Boston Puerto Rican health study. *Human Genetics*, **2009**, 125, 199-209	6.3	91
151	A high intake of saturated fatty acids strengthens the association between the fat mass and obesity-associated gene and BMI. *Journal of Nutrition*, **2011**, 141, 2219-25	4.1	87

150	Lifespan modification by glucose and methionine in Drosophila melanogaster fed a chemically defined diet. *Age*, **2007**, 29, 29-39		86
149	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, 119-28	5.5	79
148	Metabolomic Links Between Sweetened Beverage Intake and Obesity (OR31-05-19). *Current Developments in Nutrition*, **2019**, 3,	0.4	78
147	Major Royal Jelly Proteins Accelerate Onset of Puberty and Promote Ovarian Follicular Development in Immature Female Mice. *Current Developments in Nutrition*, **2020**, 4, 1145-1145	0.4	78
146	Curcumin and aging. *BioFactors*, **2013**, 39, 133-40	6.1	70
145	A genome-wide survey for SNPs altering microRNA seed sites identifies functional candidates in GWAS. *BMC Genomics*, **2011**, 12, 504	4.5	69
144	Curcumin-supplemented diets increase superoxide dismutase activity and mean lifespan in Drosophila. *Age*, **2013**, 35, 1133-42		68
143	Genetic variants in human CLOCK associate with total energy intake and cytokine sleep factors in overweight subjects (GOLDN population). *European Journal of Human Genetics*, **2010**, 18, 364-9	5.3	68
142	ADIPOQ polymorphisms, monounsaturated fatty acids, and obesity risk: the GOLDN study. *Obesity*, **2009**, 17, 510-7	8	67
141	Drosophila lacks C20 and C22 PUFAs. *Journal of Lipid Research*, **2010**, 51, 2985-92	6.3	63
140	Gain-of-function lipoprotein lipase variant rs13702 modulates lipid traits through disruption of a microRNA-410 seed site. *American Journal of Human Genetics*, **2013**, 92, 5-14	11	59
139	Variants at the APOA5 locus, association with carotid atherosclerosis, and modification by obesity: the Framingham Study. *Journal of Lipid Research*, **2006**, 47, 990-6	6.3	59
138	Candidate genes affecting Drosophila life span identified by integrating microarray gene expression analysis and QTL mapping. *Mechanisms of Ageing and Development*, **2007**, 128, 237-49	5.6	57
137	PPARGC1A variation associated with DNA damage, diabetes, and cardiovascular diseases: the Boston Puerto Rican Health Study. *Diabetes*, **2008**, 57, 809-16	0.9	56
136	Linkage disequilibrium mapping of molecular polymorphisms at the scabrous locus associated with naturally occurring variation in bristle number in Drosophila melanogaster. *Genetical Research*, **1999**, 74, 303-11	1.1	55
135	Status of vitamins B-12 and B-6 but not of folate, homocysteine, and the methylenetetrahydrofolate reductase C677T polymorphism are associated with impaired cognition and depression in adults. *Journal of Nutrition*, **2012**, 142, 1554-60	4.1	52
134	Global gene expression analysis of the living human fetus using cell-free messenger RNA in amniotic fluid. *JAMA - Journal of the American Medical Association*, **2005**, 293, 836-42	27.4	52
133	Consumption of meat is associated with higher fasting glucose and insulin concentrations regardless of glucose and insulin genetic risk scores: a meta-analysis of 50,345 Caucasians. *American Journal of Clinical Nutrition*, **2015**, 102, 1266-78	7	51

132	A genome-wide association study of inflammatory biomarker changes in response to fenofibrate treatment in the Genetics of Lipid Lowering Drug and Diet Network. *Pharmacogenetics and Genomics*, **2012**, 22, 191-7	1.9	51
131	Interleukin1beta genetic polymorphisms interact with polyunsaturated fatty acids to modulate risk of the metabolic syndrome. *Journal of Nutrition*, **2007**, 137, 1846-51	4.1	50
130	Association between glucokinase regulatory protein (GCKR) and apolipoprotein A5 (APOA5) gene polymorphisms and triacylglycerol concentrations in fasting, postprandial, and fenofibrate-treated states. *American Journal of Clinical Nutrition*, **2009**, 89, 391-9	7	47
129	A Database of Gene-Environment Interactions Pertaining to Blood Lipid Traits, Cardiovascular Disease and Type 2 Diabetes. *Journal of Data Mining in Genomics & Proteomics*, **2011**, 2,		47
128	CardioGxE, a catalog of gene-environment interactions for cardiometabolic traits. *BioData Mining*, **2014**, 7, 21	4.3	44
127	The PLIN4 variant rs8887 modulates obesity related phenotypes in humans through creation of a novel miR-522 seed site. *PLoS ONE*, **2011**, 6, e17944	3.7	44
126	Saturated fat intake modulates the association between an obesity genetic risk score and body mass index in two US populations. *Journal of the Academy of Nutrition and Dietetics*, **2014**, 114, 1954-66	3.9	43
125	Gene expression analysis in pregnant women and their infants identifies unique fetal biomarkers that circulate in maternal blood. *Journal of Clinical Investigation*, **2007**, 117, 3007-19	15.9	42
124	Polyunsaturated fatty acids modulate the effect of TCF7L2 gene variants on postprandial lipemia. *Journal of Nutrition*, **2009**, 139, 439-46	4.1	41
123	Quantifying diet for nutrigenomic studies. *Annual Review of Nutrition*, **2013**, 33, 349-71	9.9	40
122	Pharmacogenetic association of the APOA1/C3/A4/A5 gene cluster and lipid responses to fenofibrate: the genetics of lipid-lowering drugs and diet network study. *Pharmacogenetics and Genomics*, **2009**, 19, 161-9	1.9	40
121	Modulation of gene expression by □-tocopherol and □-tocopheryl phosphate in THP-1 monocytes. *Free Radical Biology and Medicine*, **2010**, 49, 1989-2000	7.8	40
120	CRY1 circadian gene variant interacts with carbohydrate intake for insulin resistance in two independent populations: Mediterranean and North American. *Chronobiology International*, **2014**, 31, 660-7	3.6	39
119	Association of common C-reactive protein (CRP) gene polymorphisms with baseline plasma CRP levels and fenofibrate response: the GOLDN study. *Diabetes Care*, **2008**, 31, 910-5	14.6	39
118	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	2.6	38
117	Mechanism of action of recombinant acc-royalisin from royal jelly of Asian honeybee against gram-positive bacteria. *PLoS ONE*, **2012**, 7, e47194	3.7	37
116	Speed-mapping quantitative trait loci using microarrays. *Nature Methods*, **2007**, 4, 839-41	21.6	37
115	Supplementation with Major Royal-Jelly Proteins Increases Lifespan, Feeding, and Fecundity in Drosophila. *Journal of Agricultural and Food Chemistry*, **2016**, 64, 5803-12	5.7	36

114	Variants of the CD36 gene and metabolic syndrome in Boston Puerto Rican adults. *Atherosclerosis*, **2010**, 211, 210-5	3.1	35
113	The effects of ABCG5/G8 polymorphisms on plasma HDL cholesterol concentrations depend on smoking habit in the Boston Puerto Rican Health Study. *Journal of Lipid Research*, **2009**, 50, 565-573	6.3	35
112	Genome-wide contribution of genotype by environment interaction to variation of diabetes-related traits. *PLoS ONE*, **2013**, 8, e77442	3.7	31
111	Apolipoprotein B genetic variants modify the response to fenofibrate: a GOLDN study. *Journal of Lipid Research*, **2010**, 51, 3316-23	6.3	30
110	Epigenomics and metabolomics reveal the mechanism of the APOA2-saturated fat intake interaction affecting obesity. *American Journal of Clinical Nutrition*, **2018**, 108, 188-200	7	29
109	Genetic analysis of 16 NMR-lipoprotein fractions in humans, the GOLDN study. *Lipids*, **2013**, 48, 155-65	1.6	29
108	Genetic variants modify the effect of age on APOE methylation in the Genetics of Lipid Lowering Drugs and Diet Network study. *Aging Cell*, **2015**, 14, 49-59	9.9	29
107	Association between BDNF rs6265 and obesity in the Boston Puerto Rican Health Study. *Journal of Obesity*, **2012**, 2012, 102942	3.7	29
106	Physical inactivity interacts with an endothelial lipase polymorphism to modulate high density lipoprotein cholesterol in the GOLDN study. *Atherosclerosis*, **2009**, 206, 500-4	3.1	29
105	The modulation of endothelial cell gene expression by green tea polyphenol-EGCG. *Molecular Nutrition and Food Research*, **2008**, 52, 1182-92	5.9	29
104	Apolipoprotein A1/C3/A5 haplotypes and serum lipid levels. *Lipids in Health and Disease*, **2011**, 10, 140	4.4	28
103	Dietary epicatechin improves survival and delays skeletal muscle degeneration in aged mice. *FASEB Journal*, **2019**, 33, 965-977	0.9	27
102	Genetic variants associated with VLDL, LDL and HDL particle size differ with race/ethnicity. *Human Genetics*, **2013**, 132, 405-13	6.3	27
101	The SCARB1 gene is associated with lipid response to dietary and pharmacological interventions. *Journal of Human Genetics*, **2008**, 53, 709-717	4.3	27
100	Clustering by plasma lipoprotein profile reveals two distinct subgroups with positive lipid response to fenofibrate therapy. *PLoS ONE*, **2012**, 7, e38072	3.7	26
99	Epigenome-wide association study of triglyceride postprandial responses to a high-fat dietary challenge. *Journal of Lipid Research*, **2016**, 57, 2200-2207	6.3	24
98	The effects of omega-3 polyunsaturated fatty acids and genetic variants on methylation levels of the interleukin-6 gene promoter. *Molecular Nutrition and Food Research*, **2016**, 60, 410-9	5.9	24
97	WDTC1, the ortholog of Drosophila adipose gene, associates with human obesity, modulated by MUFA intake. *Obesity*, **2009**, 17, 593-600	8	24

96	Methylenetetrahydrofolate reductase variants associated with hypertension and cardiovascular disease interact with dietary polyunsaturated fatty acids to modulate plasma homocysteine in puerto rican adults. *Journal of Nutrition*, **2011**, 141, 654-9	4.1	24
95	Dairy Consumption and Body Mass Index Among Adults: Mendelian Randomization Analysis of 184802 Individuals from 25 Studies. *Clinical Chemistry*, **2018**, 64, 183-191	5.5	24
94	Genome-wide association study of triglyceride response to a high-fat meal among participants of the NHLBI Genetics of Lipid Lowering Drugs and Diet Network (GOLDN). *Metabolism: Clinical and Experimental*, **2015**, 64, 1359-71	12.7	23
93	The Omega-3 Index Is Inversely Associated with Depressive Symptoms among Individuals with Elevated Oxidative Stress Biomarkers. *Journal of Nutrition*, **2016**, 146, 758-66	4.1	23
92	ADAM17_i33708A>G polymorphism interacts with dietary n-6 polyunsaturated fatty acids to modulate obesity risk in the Genetics of Lipid Lowering Drugs and Diet Network study. *Nutrition, Metabolism and Cardiovascular Diseases*, **2010**, 20, 698-705	4.5	23
91	Apolipoprotein A2 polymorphism interacts with intakes of dairy foods to influence body weight in 2 U.S. populations. *Journal of Nutrition*, **2013**, 143, 1865-71	4.1	22
90	Interaction of methylation-related genetic variants with circulating fatty acids on plasma lipids: a meta-analysis of 7 studies and methylation analysis of 3 studies in the Cohorts for Heart and Aging Research in Genomic Epidemiology consortium. *American Journal of Clinical Nutrition*, **2016**, 103, 567-78	7	21
89	Significance of Increasing n-3 PUFA Content in Pork on Human Health. *Critical Reviews in Food Science and Nutrition*, **2016**, 56, 858-70	11.5	21
88	CD209a expression on dendritic cells is critical for the development of pathogenic Th17 cell responses in murine schistosomiasis. *Journal of Immunology*, **2014**, 192, 4655-65	5.3	21
87	Perilipin polymorphism interacts with saturated fat and carbohydrates to modulate insulin resistance. *Nutrition, Metabolism and Cardiovascular Diseases*, **2012**, 22, 449-55	4.5	21
86	Genome-wide linkage analyses and candidate gene fine mapping for HDL3 cholesterol: the Framingham Study. *Journal of Lipid Research*, **2005**, 46, 1416-25	6.3	21
85	Effect of Major Royal Jelly Proteins on Spatial Memory in Aged Rats: Metabolomics Analysis in Urine. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 3151-3159	5.7	20
84	Modulation by dietary fat and carbohydrate of IRS1 association with type 2 diabetes traits in two populations of different ancestries. *Diabetes Care*, **2013**, 36, 2621-7	14.6	20
83	MAT1A variants are associated with hypertension, stroke, and markers of DNA damage and are modulated by plasma vitamin B-6 and folate. *American Journal of Clinical Nutrition*, **2010**, 91, 1377-86	7	20
82	Expression of recombinant AccMRJP1 protein from royal jelly of Chinese honeybee in Pichia pastoris and its proliferation activity in an insect cell line. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 9190-7	5.7	20
81	Long-term consumption of a Mediterranean diet improves postprandial lipemia in patients with type 2 diabetes: the Cordioprev randomized trial. *American Journal of Clinical Nutrition*, **2018**, 108, 963-970	7	20
80	The effect of IL6-174C/G polymorphism on postprandial triglyceride metabolism in the GOLDN studyboxs. *Journal of Lipid Research*, **2008**, 49, 1839-45	6.3	19
79	Transethnic Evaluation Identifies Low-Frequency Loci Associated With 25-Hydroxyvitamin D Concentrations. *Journal of Clinical Endocrinology and Metabolism*, **2018**, 103, 1380-1392	5.6	18

78	Novel variants at KCTD10, MVK, and MMAB genes interact with dietary carbohydrates to modulate HDL-cholesterol concentrations in the Genetics of Lipid Lowering Drugs and Diet Network Study. *American Journal of Clinical Nutrition*, **2009**, 90, 686-94	7	18
77	Dihydrofolate reductase 19-bp deletion polymorphism modifies the association of folate status with memory in a cross-sectional multi-ethnic study of adults. *American Journal of Clinical Nutrition*, **2015**, 102, 1279-88	7	17
76	Associations of the MCM6-rs3754686 proxy for milk intake in Mediterranean and American populations with cardiovascular biomarkers, disease and mortality: Mendelian randomization. *Scientific Reports*, **2016**, 6, 33188	4.9	17
75	Functional SNPs are enriched for schizophrenia association signals. *Molecular Psychiatry*, **2014**, 19, 276-7	15.1	17
74	Genetic variants at the PDZ-interacting domain of the scavenger receptor class B type I interact with diet to influence the risk of metabolic syndrome in obese men and women. *Journal of Nutrition* , **2009**, 139, 842-8	4.1	17
73	Associations between genetic polymorphisms of insulin-like growth factor axis genes and risk for age-related macular degeneration **2011**, 52, 9099-107		17
72	The effect of CYP7A1 polymorphisms on lipid responses to fenofibrate. *Journal of Cardiovascular Pharmacology*, **2012**, 59, 254-9	3.1	17
71	Perilipin polymorphism interacts with dietary carbohydrates to modulate anthropometric traits in hispanics of Caribbean origin. *Journal of Nutrition*, **2008**, 138, 1852-8	4.1	17
70	Circulating 25-hydroxyvitamin D, IRS1 variant rs2943641, and insulin resistance: replication of a gene-nutrient interaction in 4 populations of different ancestries. *Clinical Chemistry*, **2014**, 60, 186-96	5.5	16
69	Clock Genes Explain a Large Proportion of Phenotypic Variance in Systolic Blood Pressure and This Control Is Not Modified by Environmental Temperature. *American Journal of Hypertension*, **2016**, 29, 132-40	2.3	15
68	Association of apolipoprotein A5 gene polymorphisms and serum lipid levels. *Nutrition, Metabolism and Cardiovascular Diseases*, **2011**, 21, 947-56	4.5	15
67	Apolipoprotein A5 and lipoprotein lipase interact to modulate anthropometric measures in Hispanics of Caribbean origin. *Obesity*, **2010**, 18, 327-32	8	15
66	Apolipoprotein C3 polymorphisms, cognitive function and diabetes in Caribbean origin Hispanics. *PLoS ONE*, **2009**, 4, e5465	3.7	15
65	Carbohydrate and fat intake associated with risk of metabolic diseases through epigenetics of CPT1A. *American Journal of Clinical Nutrition*, **2020**, 112, 1200-1211	7	15
64	Association of Birth Weight With Type 2 Diabetes and Glycemic Traits: A Mendelian Randomization Study. *JAMA Network Open*, **2019**, 2, e1910915	10.4	14
63	Replication of a Gene-Diet Interaction at CD36, NOS3 and PPARG in Response to Omega-3 Fatty Acid Supplements on Blood Lipids: A Double-Blind Randomized Controlled Trial. *EBioMedicine*, **2018** , 31, 150-156	8.8	14
62	Urinary 8-hydroxy-2-deoxyguanosine and cognitive function in Puerto Rican adults. *American Journal of Epidemiology*, **2010**, 172, 271-8	3.8	14
61	Interactions between genetic variants of folate metabolism genes and lifestyle affect plasma homocysteine concentrations in the Boston Puerto Rican population. *Public Health Nutrition*, **2011**, 14, 1805-12	3.3	14

60	Genome-wide association study indicates variants associated with insulin signaling and inflammation mediate lipoprotein responses to fenofibrate. *Pharmacogenetics and Genomics*, **2012**, 22, 750-7	1.9	14
59	A critical role for the Drosophila dopamine D1-like receptor Dop1R2 at the onset of metamorphosis. *BMC Developmental Biology*, **2016**, 16, 15	3.1	13
58	MAT1A variants modulate the effect of dietary fatty acids on plasma homocysteine concentrations. *Nutrition, Metabolism and Cardiovascular Diseases*, **2012**, 22, 362-8	4.5	13
57	Gene variations of nitric oxide synthase regulate the effects of a saturated fat rich meal on endothelial function. *Clinical Nutrition*, **2011**, 30, 234-8	5.9	13
56	Anti-senescence effect and molecular mechanism of the major royal jelly proteins on human embryonic lung fibroblast (HFL-I) cell line. *Journal of Zhejiang University: Science B*, **2018**, 19, 960-972	4.5	13
55	Genetic variants at PSMD3 interact with dietary fat and carbohydrate to modulate insulin resistance. *Journal of Nutrition*, **2013**, 143, 354-61	4.1	12
54	A composite scoring of genotypes discriminates coronary heart disease risk beyond conventional risk factors in the Boston Puerto Rican Health Study. *Nutrition, Metabolism and Cardiovascular Diseases*, **2010**, 20, 157-64	4.5	12
53	Adaptive genetic variation and heart disease risk. *Current Opinion in Lipidology*, **2010**, 21, 116-22	4.4	12
52	Sex Differences in Blood HDL-c, the Total Cholesterol/HDL-c Ratio, and Palmitoleic Acid are Not Associated with Variants in Common Candidate Genes. *Lipids*, **2017**, 52, 969-980	1.6	11
51	The effects of ABCG5/G8 polymorphisms on HDL-cholesterol concentrations depend on ABCA1 genetic variants in the Boston Puerto Rican Health Study. *Nutrition, Metabolism and Cardiovascular Diseases*, **2010**, 20, 558-66	4.5	11
50	Curcumin supplementation increases survival and lifespan in Drosophila under heat stress conditions. *BioFactors*, **2018**, 44, 577-587	6.1	11
49	Genomic response to selection for postponed senescence in Drosophila. *Mechanisms of Ageing and Development*, **2013**, 134, 79-88	5.6	10
48	Effect of a GFOD2 variant on responses in total and LDL cholesterol in Mexican subjects with hypercholesterolemia after soy protein and soluble fiber supplementation. *Gene*, **2013**, 532, 211-5	3.8	10
47	Mapping and characterization of P-element-induced mutations at quantitative trait loci in Drosophila melanogaster. *Genetical Research*, **1993**, 61, 177-93	1.1	10
46	Dietary Epicatechin, A Novel Anti-aging Bioactive Small Molecule. *Current Medicinal Chemistry*, **2021** , 28, 3-18	4.3	10
45	Dietary modulators of statin efficacy in cardiovascular disease and cognition. *Molecular Aspects of Medicine*, **2014**, 38, 1-53	16.7	9
44	The folate hydrolase 1561C>T polymorphism is associated with depressive symptoms in Puerto Rican adults. *Psychosomatic Medicine*, **2011**, 73, 385-92	3.7	9
43	Insulin receptor substrate 1 (IRS1) variants confer risk of diabetes in the Boston Puerto Rican Health Study. *Asia Pacific Journal of Clinical Nutrition*, **2013**, 22, 150-9	1	9

42	Major royal jelly proteins accelerate onset of puberty and promote ovarian follicular development in immature female mice. *Food Science and Human Wellness*, **2020**, 9, 338-345	8.3	8
41	Interaction of an S100A9 gene variant with saturated fat and carbohydrates to modulate insulin resistance in 3 populations of different ancestries. *American Journal of Clinical Nutrition*, **2016**, 104, 508-17	7	8
40	Genome-wide association studies identified novel loci for non-high-density lipoprotein cholesterol and its postprandial lipemic response. *Human Genetics*, **2014**, 133, 919-30	6.3	8
39	Adaptive genetic variation and population differences. *Progress in Molecular Biology and Translational Science*, **2012**, 108, 461-89	4	8
38	Mediterranean Diet Adherence Modulates Anthropometric Measures by TCF7L2 Genotypes among Puerto Rican Adults. *Journal of Nutrition*, **2020**, 150, 167-175	4.1	8
37	Curcumin supplementation improves heat-stress-induced cardiac injury of mice: physiological and molecular mechanisms. *Journal of Nutritional Biochemistry*, **2020**, 78, 108331	6.3	7
36	Lipoprotein lipase variants interact with polyunsaturated fatty acids for obesity traits in women: replication in two populations. *Nutrition, Metabolism and Cardiovascular Diseases*, **2014**, 24, 1323-9	4.5	7
35	The effect of a novel intergenic polymorphism (rs11774572) on HDL-cholesterol concentrations depends on TaqIB polymorphism in the cholesterol ester transfer protein gene. *Nutrition, Metabolism and Cardiovascular Diseases*, **2010**, 20, 34-40	4.5	7
34	Metabolomic Links between Sugar-Sweetened Beverage Intake and Obesity. *Journal of Obesity*, **2020**, 2020, 7154738	3.7	6
33	Statin Use Associates With Risk of Type 2 Diabetes via Epigenetic Patterns at. *Frontiers in Genetics*, **2020**, 11, 622	4.5	6
32	A Genome-Wide Association Study Identifies Blood Disorder-Related Variants Influencing Hemoglobin A With Implications for Glycemic Status in U.S. Hispanics/Latinos. *Diabetes Care*, **2019**, 42, 1784-1791	14.6	6
31	Low-density lipoprotein receptor-related protein 1 variant interacts with saturated fatty acids in Puerto Ricans. *Obesity*, **2013**, 21, 602-8	8	6
30	Polyunsaturated Fatty Acids Modulate the Association between PIK3CA-KCNMB3 Genetic Variants and Insulin Resistance. *PLoS ONE*, **2013**, 8, e67394	3.7	6
29	Environmental and epigenetic regulation of postprandial lipemia. *Current Opinion in Lipidology*, **2018**, 29, 30-35	4.4	6
28	Genome-Wide Interactions with Dairy Intake for Body Mass Index in Adults of European Descent. *Molecular Nutrition and Food Research*, **2018**, 62, 1700347	5.9	5
27	Genetic admixture and body composition in Puerto Rican adults from the Boston Puerto Rican Osteoporosis Study. *Journal of Bone and Mineral Metabolism*, **2017**, 35, 448-455	2.9	5
26	Genome-wide interaction of genotype by erythrocyte n-3 fatty acids contributes to phenotypic variance of diabetes-related traits. *BMC Genomics*, **2014**, 15, 781	4.5	5
25	Development of a Genetic Score to Predict an Increase in HDL Cholesterol Concentration After a Dietary Intervention in Adults with Metabolic Syndrome. *Journal of Nutrition*, **2019**, 149, 1116-1121	4.1	4

24	Supplementation with turmeric residue increased survival of the Chinese soft-shelled turtle (Pelodiscus sinensis) under high ambient temperatures. *Journal of Zhejiang University: Science B*, **2018**, 19, 245-252	4.5	4
23	The association between genetic variants of RUNX2, ADIPOQ and vertebral fracture in Korean postmenopausal women. *Journal of Bone and Mineral Metabolism*, **2015**, 33, 173-9	2.9	3
22	Investigation of diets associated with dilated cardiomyopathy in dogs using foodomics analysis. *Scientific Reports*, **2021**, 11, 15881	4.9	3
21	Mendelian randomization analysis does not support causal associations of birth weight with hypertension risk and blood pressure in adulthood. *European Journal of Epidemiology*, **2020**, 35, 685-697	12.1	2
20	Weight gain prevention buffers the impact of CETP rs3764261 on high density lipoprotein cholesterol in young adulthood: The Study of Novel Approaches to Weight Gain Prevention (SNAP). *Nutrition, Metabolism and Cardiovascular Diseases*, **2018**, 28, 816-821	4.5	2
19	Genome-Wide Association Studies of Genetic Impact on Cardiovascular and Metabolic Diseases in Asians: Opportunity for Discovery. *Current Cardiovascular Risk Reports*, **2014**, 8, 1	0.9	2
18	A homologue of the 19 kDa signal recognition particle protein locus in Drosophila melanogaster. *Gene*, **1997**, 203, 59-63	3.8	2
17	Using Machine Learning to Predict Obesity Based on Genome-Wide and Epigenome-Wide Gene-Gene and Gene-Diet Interactions.. *Frontiers in Genetics*, **2021**, 12, 783845	4.5	2
16	Diet-derived fruit and vegetable metabolites show sex-specific inverse relationships to osteoporosis status. *Bone*, **2021**, 144, 115780	4.7	2
15	Associations of network-derived metabolite clusters with prevalent type 2 diabetes among adults of Puerto Rican descent. *BMJ Open Diabetes Research and Care*, **2021**, 9,	4.5	2
14	Diet Quality Scores are Positively Associated with Whole Blood-derived Mitochondrial DNA Copy Number in the Framingham Heart Study. *Journal of Nutrition*, **2021**,	4.1	2
13	Detection of gene-environment interactions in a family-based population using SCAD. *Statistics in Medicine*, **2017**, 36, 3547-3559	2.3	1
12	Haplotypes of CpG-related SNPs and associations with DNA methylation patterns193-207		1
11	Salivary AMY1 Copy Number Variation Modifies Age-Related Type 2 Diabetes Risk. *Clinical Chemistry*, **2020**, 66, 718-726	5.5	1
10	Functional Genomics Analysis of Big Data Identifies Novel Peroxisome Proliferator-Activated Receptor Target Single Nucleotide Polymorphisms Showing Association With Cardiometabolic Outcomes. *Circulation: Cardiovascular Genetics*, **2015**, 8, 842-51		1
9	Genetic risk scores associated with baseline lipoprotein subfraction concentrations do not associate with their responses to fenofibrate. *Biology*, **2014**, 3, 536-50	4.9	1
8	Risk Factors Associated with Vitamin D Status among Older Puerto Rican Adults. *Journal of Nutrition*, **2021**, 151, 999-1007	4.1	0
7	Metabolite patterns link diet, obesity, and type 2 diabetes in a Hispanic population. *Metabolomics*, **2021**, 17, 88	4.7	0

List of Publications

6	Lipoprotein lipase variants interact with polyunsaturated fatty acids to modulate obesity traits in Puerto Ricans (1037.7). *FASEB Journal*, **2014**, 28, 1037.7	0.9
5	Network Analysis Identifies NR4A2 with Gene-Environment Interactions Influencing Inflammation Biomarkers Modified by Fatty Acid Intake in Two Populations. *FASEB Journal*, **2015**, 29, 750.4	0.9
4	PNPLA3 Variants Are Associated with Obesity and Interact with Meat and Dairy Intake in Hispanic and Non-Hispanic White Americans. *FASEB Journal*, **2015**, 29, 750.8	0.9
3	Genetic Mechanisms of Aging **2010**, 38-41	
2	Polyunsaturated fatty acids (PUFA) modulate association between PIK3CA-KCNMB3 variants and insulin resistance. *FASEB Journal*, **2013**, 27, 640.3	0.9
1	Genome-wide contribution of genotype by environment interaction to blood lipid variation. *FASEB Journal*, **2013**, 27, 222.4	0.9