Xiuqing Guo

List of Publications by Year
in descending order

78 papers	9,878 citations	101543 36 h-index	66911 78 g-index
83 all docs	83 docs citations	83 times ranked	18170 citing authors

#	Article	IF	Citations
1	Biological, clinical and population relevance of 95 loci for blood lipids. Nature, 2010, 466, 707-713.	27.8	3,249
2	Sequencing of 53,831 diverse genomes from the NHLBI TOPMed Program. Nature, 2021, 590, 290-299.	27.8	1,069
3	Genetic analysis of over 1 million people identifies 535 new loci associated with blood pressure traits. Nature Genetics, 2018, 50, 1412-1425.	21.4	924
4	Multi-ethnic genome-wide association study for atrial fibrillation. Nature Genetics, 2018, 50, 1225-1233.	21.4	552
5	Genome-Wide Association Study Identifies Variants Associated With Histologic Features of Nonalcoholic Fatty Liver Disease. Gastroenterology, 2010, 139, 1567-1576.e6.	1.3	270
6	Meta-analysis identifies common and rare variants influencing blood pressure and overlapping with metabolic trait loci. Nature Genetics, 2016, 48, 1162-1170.	21.4	223
7	Identification of new susceptibility loci for type 2 diabetes and shared etiological pathways with coronary heart disease. Nature Genetics, 2017, 49, 1450-1457.	21.4	218
8	Meta-analysis of genome-wide association studies in East Asian-ancestry populations identifies four new loci for body mass index. Human Molecular Genetics, 2014, 23, 5492-5504.	2.9	192
9	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
10	Analysis of cardiac magnetic resonance imaging in 36,000 individuals yields genetic insights into dilated cardiomyopathy. Nature Communications, 2020, 11, 2254.	12.8	140
11	Genetic predictors of medically refractory ulcerative colitis. Inflammatory Bowel Diseases, 2010, 16, 1830-1840.	1.9	135
12	Multiethnic Meta-Analysis of Genome-Wide Association Studies in >100 000 Subjects Identifies 23 Fibrinogen-Associated Loci but No Strong Evidence of a Causal Association Between Circulating Fibrinogen and Cardiovascular Disease. Circulation, 2013, 128, 1310-1324.	1.6	128
13	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
14	Genome-Wide Association and Trans-ethnic Meta-Analysis for Advanced Diabetic Kidney Disease: Family Investigation of Nephropathy and Diabetes (FIND). PLoS Genetics, 2015, 11, e1005352.	3.5	118
15	Gene-Age Interactions in Blood Pressure Regulation: A Large-Scale Investigation with the CHARGE, Global BPgen, and ICBP Consortia. American Journal of Human Genetics, 2014, 95, 24-38.	6.2	109
16	Lipoprotein Lipase Is a Gene for Insulin Resistance in Mexican Americans. Diabetes, 2004, 53, 214-220.	0.6	107
17	Efficient Variant Set Mixed Model Association Tests for Continuous and Binary Traits in Large-Scale Whole-Genome Sequencing Studies. American Journal of Human Genetics, 2019, 104, 260-274.	6.2	103
18	Comparison of Proteomic Assessment Methods in Multiple Cohort Studies. Proteomics, 2020, 20, e1900278.	2.2	103

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19	Natural Selection on Genes Related to Cardiovascular Health in High-Altitude Adapted Andeans. American Journal of Human Genetics, 2017, 101, 752-767.	6.2	99
20	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
21	HDAC9 is implicated in atherosclerotic aortic calcification and affects vascular smooth muscle cell phenotype. Nature Genetics, 2019, 51, 1580-1587.	21.4	92
22	Genetic Risk Prediction of Atrial Fibrillation. Circulation, 2017, 135, 1311-1320.	1.6	87
23	Multiancestry Genome-Wide Association Study of Lipid Levels Incorporating Gene-Alcohol Interactions. American Journal of Epidemiology, 2019, 188, 1033-1054.	3.4	85
24	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
25	Effects of Long-Term Averaging of Quantitative Blood Pressure Traits on the Detection of Genetic Associations. American Journal of Human Genetics, 2014, 95, 49-65.	6.2	73
26	A meta-analysis of 120 246 individuals identifies 18 new loci for fibrinogen concentration. Human Molecular Genetics, 2016, 25, 358-370.	2.9	73
27	A multiancestry genome-wide association study of unexplained chronic ALT elevation as a proxy for nonalcoholic fatty liver disease with histological and radiological validation. Nature Genetics, 2022, 54, 761-771.	21.4	68
28	Multi-ancestry study of blood lipid levels identifies four loci interacting with physical activity. Nature Communications, 2019, 10, 376.	12.8	64
29	X chromosome dosage of histone demethylase KDM5C determines sex differences in adiposity. Journal of Clinical Investigation, 2020, 130, 5688-5702.	8.2	62
30	Genetics of Type 2 Diabetes in U.S. Hispanic/Latino Individuals: Results From the Hispanic Community Health Study/Study of Latinos (HCHS/SOL). Diabetes, 2017, 66, 1419-1425.	0.6	60
31	Multi-ancestry GWAS of the electrocardiographic PR interval identifies 202 loci underlying cardiac conduction. Nature Communications, 2020, 11, 2542.	12.8	59
32	Rare and low-frequency variants and their association with plasma levels of fibrinogen, FVII, FVIII, and vWF. Blood, 2015, 126, e19-e29.	1.4	55
33	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
34	Multiethnic Genome-Wide Association Study of Diabetic Retinopathy Using Liability Threshold Modeling of Duration of Diabetes and Glycemic Control. Diabetes, 2019, 68, 441-456.	0.6	54
35	Association of Genetic Variants With Primary Open-Angle Glaucoma Among Individuals With African Ancestry. JAMA - Journal of the American Medical Association, 2019, 322, 1682.	7.4	50
36	Variation in the Gene for Muscle-Specific AMP Deaminase Is Associated With Insulin Clearance, a Highly Heritable Trait. Diabetes, 2005, 54, 1222-1227.	0.6	48

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37	Genetic Architecture of Primary Open-Angle Glaucoma in Individuals of African Descent. Ophthalmology, 2019, 126, 38-48.	5.2	40
38	Loss-of-function genomic variants highlight potential therapeutic targets for cardiovascular disease. Nature Communications, 2020, 11, 6417.	12.8	39
39	Whole Genome Sequence Analysis of the Plasma Proteome in Black Adults Provides Novel Insights Into Cardiovascular Disease. Circulation, 2022, 145, 357-370.	1.6	39
40	Genome-Wide Associations Related to Hepatic Histology in Nonalcoholic Fatty Liver Disease in Hispanic Boys. Journal of Pediatrics, 2017, 190, 100-107.e2.	1.8	38
41	Genomeâ€wide association study of generalized anxiety symptoms in the Hispanic Community Health Study/Study of Latinos. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2017, 174, 132-143.	1.7	37
42	Adiposityâ€Independent Effects of Aging on Insulin Sensitivity and Clearance in Mice and Humans. Obesity, 2019, 27, 434-443.	3.0	34
43	Machine learning enables new insights into genetic contributions to liver fat accumulation. Cell Genomics, 2021, 1, 100066.	6.5	34
44	The Association of Estrogen Receptor-Î² Gene Variation With Salt-Sensitive Blood Pressure. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 4124-4135.	3.6	32
45	Effects of Calcium, Magnesium, and Potassium Concentrations on Ventricular Repolarization in Unselected Individuals. Journal of the American College of Cardiology, 2019, 73, 3118-3131.	2.8	27
46	A multi-ethnic polygenic risk score is associated with hypertension prevalence and progression throughout adulthood. Nature Communications, 2022, 13, .	12.8	27
47	Adiponectin, Insulin Sensitivity and Diabetic Retinopathy in Latinos With Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 3348-3355.	3.6	24
48	Association of fasting insulin and C peptide with diabetic retinopathy in Latinos with type 2 diabetes. BMJ Open Diabetes Research and Care, 2014, 2, e000027.	2.8	21
49	Determinants of Incident Atherosclerotic Cardiovascular Disease Events Among Those With Absent Coronary Artery Calcium: Multi-Ethnic Study of Atherosclerosis. Circulation, 2022, 145, 259-267.	1.6	21
50	Genomeâ€Wide Association Study Identifies Loci for Liver Enzyme Concentrations in Mexican Americans: The GUARDIAN Consortium. Obesity, 2019, 27, 1331-1337.	3.0	20
51	Common and Rare Coding Genetic Variation Underlying the Electrocardiographic PR Interval. Circulation Genomic and Precision Medicine, 2018, 11, e002037.	3.6	19
52	Genetically Determined Plasma Lipid Levels and Risk of Diabetic Retinopathy: A Mendelian Randomization Study. Diabetes, 2017, 66, 3130-3141.	0.6	17
53	Genome-Wide Association Studies. JAMA - Journal of the American Medical Association, 2019, 322, 1705.	7.4	17
54	Mendelian randomization evaluation of causal effects of fibrinogen on incident coronary heart disease. PLoS ONE, 2019, 14, e0216222.	2.5	17

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55	DNA methylation age is associated with an altered hemostatic profile in a multiethnic meta-analysis. Blood, 2018, 132, 1842-1850.	1.4	16
56	Genetic Determinants of Electrocardiographic P-Wave Duration and Relation to Atrial Fibrillation. Circulation Genomic and Precision Medicine, 2020, 13, 387-395.	3.6	16
57	Genome-wide association study of depressive symptoms in the Hispanic Community Health Study/Study of Latinos. Journal of Psychiatric Research, 2018, 99, 167-176.	3.1	15
58	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
59	Setâ€based tests for genetic association in longitudinal studies. Biometrics, 2015, 71, 606-615.	1.4	13
60	Insulin Clearance Is Associated with Hepatic Lipase Activity and Lipid and Adiposity Traits in Mexican Americans. PLoS ONE, 2016, 11, e0166263.	2.5	13
61	The African Descent and Glaucoma Evaluation Study (ADAGES) III. Ophthalmology, 2019, 126, 156-170.	5.2	13
62	Multiâ€phenotype analyses of hemostatic traits with cardiovascular events reveal novel genetic associations. Journal of Thrombosis and Haemostasis, 2022, 20, 1331-1349.	3.8	12
63	Insights From a Large-Scale Whole-Genome Sequencing Study of Systolic Blood Pressure, Diastolic Blood Pressure, and Hypertension. Hypertension, 2022, 79, 1656-1667.	2.7	12
64	Role of Rare and Low-Frequency Variants in Gene-Alcohol Interactions on Plasma Lipid Levels. Circulation Genomic and Precision Medicine, 2020, 13, e002772.	3.6	11
65	Association of severity of primary open-angle glaucoma with serum vitamin D levels in patients of African descent. Molecular Vision, 2019, 25, 438-445.	1.1	9
66	GWAS of QRS duration identifies new loci specific to Hispanic/Latino populations. PLoS ONE, 2019, 14, e0217796.	2.5	8
67	Home use of a compact, 12â€lead ECG recording system for newborns. Journal of Electrocardiology, 2019, 53, 89-94.	0.9	7
68	Rare Coding Variants Associated With Electrocardiographic Intervals Identify Monogenic Arrhythmia Susceptibility Genes: A Multi-Ancestry Analysis. Circulation Genomic and Precision Medicine, 2021, 14, e003300.	3.6	7
69	De novo copy number variants and parental age: Is there an association?. European Journal of Medical Genetics, 2020, 63, 103829.	1.3	6
70	Identification of Functional Genetic Determinants of Cardiac Troponin T and I in a Multiethnic Population and Causal Associations With Atrial Fibrillation. Circulation Genomic and Precision Medicine, 2021, 14, CIRCGEN121003460.	3.6	5
71	Lymphocyte activation gene-3-associated protein networks are associated with HDL-cholesterol and mortality in the Trans-omics for Precision Medicine program. Communications Biology, 2022, 5, 362.	4.4	5
72	Association between siteâ€specific bone mineral density and glucose homeostasis and anthropometric traits in healthy men and women. Clinical Endocrinology, 2018, 88, 848-855.	2.4	4

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73	Multi-Ethnic Genome-Wide Association Study of Decomposed Cardioelectric Phenotypes Illustrates Strategies to Identify and Characterize Evidence of Shared Genetic Effects for Complex Traits. Circulation Genomic and Precision Medicine, 2020, 13, e002680.	3.6	4
74	Rareâ€variant association tests in longitudinal studies, with an application to the Multiâ€Ethnic Study of Atherosclerosis (MESA). Genetic Epidemiology, 2017, 41, 801-810.	1.3	3
75	Physical Activity Associations with Bone Mineral Density and Modification by Metabolic Traits. Journal of the Endocrine Society, 2020, 4, bvaa092.	0.2	2
76	Assessing the Effect of Sampling Strategies on the Power of Linkage Analysis to Identify Pathwayâ€Specific Loci Underlying a Complex Disease. Genetic Epidemiology, 2001, 21, S754-9.	1.3	1
77	A generalized least-squares framework for rare-variant analysis in family data. BMC Proceedings, 2014, 8, S28.	1.6	1
78	Selecting SNPs informative for African, American Indian and European Ancestry: application to the Family Investigation of Nephropathy and Diabetes (FIND). BMC Genomics, 2016, 17, 325.	2.8	1