Chunyu Liu

List of Publications by Year
in descending order

32 papers	2,407 citations	758635 12 h-index	500791 28 g-index
35 all docs	35 docs citations	35 times ranked	6625 citing authors

#	Article	IF	Citations
1	Sequencing of 53,831 diverse genomes from the NHLBI TOPMed Program. Nature, 2021, 590, 290-299.	13.7	1,069
2	Trans-ethnic association study of blood pressure determinants in over 750,000 individuals. Nature Genetics, 2019, 51, 51-62.	9.4	328
3	Blood Leukocyte DNA Methylation Predicts Risk of Future Myocardial Infarction and Coronary Heart Disease. Circulation, 2019, 140, 645-657.	1.6	151
4	Genome-wide identification of DNA methylation QTLs in whole blood highlights pathways for cardiovascular disease. Nature Communications, 2019, 10, 4267.	5.8	139
5	Genome-wide identification of microRNA expression quantitative trait loci. Nature Communications, 2015, 6, 6601.	5.8	134
6	Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits. American Journal of Human Genetics, 2019, 104, 112-138.	2.6	106
7	Discovery of rare variants associated with blood pressure regulation through meta-analysis of 1.3 million individuals. Nature Genetics, 2020, 52, 1314-1332.	9.4	91
8	New alcohol-related genes suggest shared genetic mechanisms with neuropsychiatric disorders. Nature Human Behaviour, 2019, 3, 950-961.	6.2	75
9	Meta-analysis of epigenome-wide association studies of cognitive abilities. Molecular Psychiatry, 2018, 23, 2133-2144.	4.1	68
10	Mitochondrial DNA copy number can influence mortality and cardiovascular disease via methylation of nuclear DNA CpGs. Genome Medicine, 2020, 12, 84.	3.6	63
11	Association of Habitual Physical Activity With Cardiovascular Disease Risk. Circulation Research, 2020, 127, 1253-1260.	2.0	36
12	Association of mitochondrial DNA copy number with cardiometabolic diseases. Cell Genomics, 2021, 1, 100006.	3.0	26
13	Blood DNA methylation sites predict death risk in a longitudinal study of 12, 300 individuals. Aging, 2020, 12, 14092-14124.	1.4	15
14	Validation and characterisation of a DNA methylation alcohol biomarker across the life course. Clinical Epigenetics, 2019, 11, 163.	1.8	13
15	Adherence of Mobile App-Based Surveys and Comparison With Traditional Surveys: eCohort Study. Journal of Medical Internet Research, 2021, 23, e24773.	2.1	13
16	A bioinformatics pipeline for estimating mitochondrial DNA copy number and heteroplasmy levels from whole genome sequencing data. NAR Genomics and Bioinformatics, 2022, 4, lqac034.	1.5	12
17	Design, deployment, and usability of a mobile system for cardiovascular health monitoring within the electronic Framingham Heart Study. Cardiovascular Digital Health Journal, 2021, 2, 171-178.	0.5	11
18	Association of Habitual Physical Activity With Home Blood Pressure in the Electronic Framingham Heart Study (eFHS): Cross-sectional Study. Journal of Medical Internet Research, 2021, 23, e25591.	2.1	9

#	Article	IF	Citations
19	Integrative analysis of clinical and epigenetic biomarkers of mortality. Aging Cell, 2022, 21, e13608.	3.0	8
20	Diet Quality Scores Are Positively Associated with Whole Blood–Derived Mitochondrial DNA Copy Number in the Framingham Heart Study. Journal of Nutrition, 2022, 152, 690-697.	1.3	7
21	Association Testing of the Mitochondrial Genome Using Pedigree Data. Genetic Epidemiology, 2013, 37, 239-247.	0.6	6
22	Presence and transmission of mitochondrial heteroplasmic mutations in human populations of European and African ancestry. Mitochondrion, 2021, 60, 33-42.	1.6	6
23	Associations of Alcohol Consumption with Cardiovascular Disease-Related Proteomic Biomarkers: The Framingham Heart Study. Journal of Nutrition, 2021, 151, 2574-2582.	1.3	5
24	Complex trait methylation scores in the prediction of major depressive disorder. EBioMedicine, 2022, 79, 104000.	2.7	4
25	Stress and spirituality in relation to HPA axis gene methylation among US Black women: results from the Black Women's Health Study and the Study on Stress, Spirituality and Health. Epigenomics, 2021, 13, 1711-1734.	1.0	3
26	Relations Between BMI Trajectories and Habitual Physical Activity Measured by a Smartwatch in the Electronic Cohort of the Framingham Heart Study: Cohort Study. JMIR Cardio, 2022, 6, e32348.	0.7	3
27	Comparison of Daily Routines Between Middle-aged and Older Participants With and Those Without Diabetes in the Electronic Framingham Heart Study: Cohort Study. JMIR Diabetes, 2022, 7, e29107.	0.9	2
28	Rare coding variants in RCN3 are associated with blood pressure. BMC Genomics, 2022, 23, 148.	1.2	2
29	Comparisons of case-selection approaches based on allele sharing and/or disease severity index: application to the GAW14 simulated data. BMC Genetics, 2005, 6, S103.	2.7	1
30	JEM: A joint test to estimate the effect of multiple genetic variants on DNA methylation. Genetic Epidemiology, 2021, 45, 280-292.	0.6	0
31	No evidence of association between habitual physical activity and ECG traits Insights from the electronic Framingham Heart Study. Cardiovascular Digital Health Journal, 2021, 3, 56-58.	0.5	0
32	Comparison of mitochondrial DNA sequences from whole blood and lymphoblastoid cell lines. Scientific Reports, 2022, 12, 1801.	1.6	0