Weihua Guan

List of Publications by Year
in descending order

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		257101	205818
72	2,710	24	48
papers	citations	h-index	g-index

75	75	75	5819
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	ASSOCIATION OF PLASMA Ï‰-3 FATTY ACIDS WITH EARLY AGE-RELATED MACULAR DEGENERATION IN THE MULTI-ETHNIC STUDY OF ATHEROSCLEROSIS. Retina, 2022, 42, 1384-1391.	1.0	2
2	Dynamics of plasmid-mediated niche invasion, immunity to invasion, and pheromone-inducible conjugation in the murine gastrointestinal tract. Nature Communications, 2022, 13, 1377.	5.8	4
3	Evaluating Reliability of DNA Methylation Measurement. Methods in Molecular Biology, 2022, 2432, 15-24.	0.4	1
4	DNA methylation signature of chronic low-grade inflammation and its role in cardio-respiratory diseases. Nature Communications, 2022, 13, 2408.	5.8	26
5	Lipoprotein (a) and risk for calcification of the coronary arteries, mitral valve, and thoracic aorta: The Multi-Ethnic Study of Atherosclerosis. Journal of Cardiovascular Computed Tomography, 2021, 15, 154-160.	0.7	26
6	Community-based intervention effects on older adults' physical activity and falls: Protocol and rationale for a randomized optimization trial (Ready Steady3.0). Contemporary Clinical Trials, 2021, 101, 106238.	0.8	6
7	66534 Evaluation plans for a summer child nutrition assistance program to better understand translation of policy to community health. Journal of Clinical and Translational Science, 2021, 5, 135-136.	0.3	0
8	Plasma Ï‰-3 and Ï‰-6 PUFA Concentrations and Risk of Atrial Fibrillation: The Multi-Ethnic Study of Atherosclerosis. Journal of Nutrition, 2021, 151, 1479-1486.	1.3	7
9	Perfluorooctanoic acid (PFOA) or perfluorooctane sulfonate (PFOS) and DNA methylation in newborn dried blood spots in the Upstate KIDS cohort. Environmental Research, 2021, 194, 110668.	3.7	20
10	A multi-ethnic epigenome-wide association study of leukocyte DNA methylation and blood lipids. Nature Communications, 2021, 12, 3987.	5.8	18
11	Conception by fertility treatment and offspring deoxyribonucleic acid methylation. Fertility and Sterility, 2021, 116, 493-504.	0.5	26
12	Longitudinal change in blood DNA epigenetic signature after smoking cessation. Epigenetics, 2021, , 1-12.	1.3	5
13	A Multi-Marker Test for Analyzing Paired Genetic Data in Transplantation. Frontiers in Genetics, 2021, 12, 745773.	1.1	2
14	Associations between DNA methylation and BMI vary by metabolic health status: a potential link to disparate cardiovascular outcomes. Clinical Epigenetics, 2021, 13, 230.	1.8	11
15	Examining Potential Psychosocial Mediators in a Physical Activity Intervention for Older Adults. Western Journal of Nursing Research, 2020, 42, 581-592.	0.6	3
16	Replication of Newly Identified Genetic Associations Between Abdominal Aortic Aneurysm and SMYD2, LINC00540, PCIF1/MMP9/ZNF335, and ERG. European Journal of Vascular and Endovascular Surgery, 2020, 59, 92-97.	0.8	11
17	Maternal fatty acid concentrations and newborn DNA methylation. American Journal of Clinical Nutrition, 2020, 111, 613-621.	2.2	10
18	Apolipoprotein B discordance with low-density lipoprotein cholesterol and nonâ€“high-density lipoprotein cholesterol in relation to coronary artery calcification in the Multi-Ethnic Study of Atherosclerosis (MESA). Journal of Clinical Lipidology, 2020, 14, 109-121.e5.	0.6	23

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19	Pharmacogenomics in kidney transplant recipients and potential for integration into practice. Journal of Clinical Pharmacy and Therapeutics, 2020, 45, 1457-1465.	0.7	3
20	Joint testing of donor and recipient genetic matching scores and recipient genotype has robust power for finding genes associated with transplant outcomes. Genetic Epidemiology, 2020, 44, 893-907.	0.6	7
21	Cord blood DNA methylation reflects cord blood C-reactive protein levels but not maternal levels: a longitudinal study and meta-analysis. Clinical Epigenetics, 2020, 12, 60.	1.8	9
22	Lp(a) (Lipoprotein [a]) and Risk for Incident Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2020, 13, e008401.	2.1	17
23	Associations between omega-6 polyunsaturated fatty acids, hyperinsulinemia and incident diabetes by race/ethnicity: The Multi-Ethnic Study of Atherosclerosis. Clinical Nutrition, 2020, 39, 3031-3041.	2.3	26
24	Blood DNA methylation sites predict death risk in a longitudinal study of 12, 300 individuals. Aging, 2020, 12, 14092-14124.	1.4	15
25	The Association of Biomarkers of Inflammation and Extracellular Matrix Degradation With the Risk of Abdominal Aortic Aneurysm: The ARIC Study. Angiology, 2019, 70, 130-140.	0.8	18
26	Genome-wide identification of DNA methylation QTLs in whole blood highlights pathways for cardiovascular disease. Nature Communications, 2019, 10, 4267.	5.8	139
27	Comparison of smoking-related DNA methylation between newborns from prenatal exposure and adults from personal smoking. Epigenomics, 2019, 11, 1487-1500.	1.0	64
28	A largeâ€scale exome array analysis of venous thromboembolism. Genetic Epidemiology, 2019, 43, 449-457.	0.6	22
29	Beyond medical actionability: Public perceptions of important actions in response to hypothetical genetic testing results. Journal of Genetic Counseling, 2019, 28, 355-366.	0.9	4
30	Tacrolimus troughs and genetic determinants of metabolism in kidney transplant recipients: A comparison of four ancestry groups. American Journal of Transplantation, 2019, 19, 2795-2804.	2.6	35
31	Genetic Variants Associated With Immunosuppressant Pharmacokinetics and Adverse Effects in the DeKAF Genomics Genome-wide Association Studies. Transplantation, 2019, 103, 1131-1139.	0.5	17
32	Measured maternal prepregnancy anthropometry and newborn DNA methylation. Epigenomics, 2019, 11, 187-198.	1.0	14
33	Older Adultsâ€™ Utilization of Community Resources Targeting Fall Prevention and Physical Activity. Gerontologist, The, 2019, 59, 436-446.	2.3	12
34	Associations of mitochondrial polymorphisms with sporadic colorectal adenoma. Molecular Carcinogenesis, 2018, 57, 598-605.	1.3	2
35	A comparison of three apolipoprotein B methods and their associations with incident coronary heart disease risk over a 12-year follow-up period: The Multi-Ethnic Study of Atherosclerosis. Journal of Clinical Lipidology, 2018, 12, 300-304.	0.6	27
36	Plasma n-3 and n-6 Fatty Acids Are Differentially Related to Carotid Plaque and Its Progression. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 653-659.	1.1	11

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37	Tacrolimus trough and dose intraâ€patient variability and CYP3A5 genotype: Effects on acute rejection and graft failure in European American and African American kidney transplant recipients. Clinical Transplantation, 2018, 32, e13424.	0.8	30
38	An Epigenome-Wide Association Study of Obesity-Related Traits. American Journal of Epidemiology, 2018, 187, 1662-1669.	1.6	59
39	Evaluation of the relationship between plasma lipids and abdominal aortic aneurysm: A Mendelian randomization study. PLoS ONE, 2018, 13, e0195719.	1.1	39
40	An epigenome-wide study of obesity in African American youth and young adults: novel findings, replication in neutrophils, and relationship with gene expression. Clinical Epigenetics, 2018, 10, 3.	1.8	33
41	Pleiotropic effects of n-6 and n-3 fatty acid-related genetic variants on circulating hemostatic variables. Thrombosis Research, 2018, 168, 53-59.	0.8	1
42	Assessing the Effects of Interpersonal and Intrapersonal Behavior Change Strategies on Physical Activity in Older Adults: a Factorial Experiment. Annals of Behavioral Medicine, 2017, 51, 376-390.	1.7	49
43	Evaluation of Lipoprotein(a) Electrophoretic and Immunoassay Methods in Discriminating Risk of Calcific Aortic Valve Disease and Incident Coronary Heart Disease: The Multi-Ethnic Study of Atherosclerosis. Clinical Chemistry, 2017, 63, 1705-1713.	1.5	20
44	Apolipoprotein B is associated with carotid atherosclerosis progression independent of individual cholesterol measures in a 9-year prospective study of Multi-Ethnic Study of Atherosclerosis participants. Journal of Clinical Lipidology, 2017, 11, 1181-1191.e1.	0.6	21
45	Cerebral white matter hyperintensities on MRI and acceleration of epigenetic aging: the atherosclerosis risk in communities study. Clinical Epigenetics, 2017, 9, 21.	1.8	45
46	Association of Body Mass Index with DNA Methylation and Gene Expression in Blood Cells and Relations to Cardiometabolic Disease: A Mendelian Randomization Approach. PLoS Medicine, 2017, 14, e1002215.	3.9	246
47	Acrossâ€Platform Imputation of DNA Methylation Levels Incorporating Nonlocal Information Using Penalized Functional Regression. Genetic Epidemiology, 2016, 40, 333-340.	0.6	10
48	DNA methylation signatures of chronic low-grade inflammation are associated with complex diseases. Genome Biology, 2016, 17, 255.	3.8	251
49	5â€Lipoxygenase Gene Variants Are Not Associated With Atherosclerosis or Incident Coronary Heart Disease in the Multiâ€Ethnic Study of Atherosclerosis Cohort. Journal of the American Heart Association, 2016, 5, e002814.	1.6	10
50	Autoimmune VariantPTPN22C1858T Is Associated With Impaired Responses to Influenza Vaccination. Journal of Infectious Diseases, 2016, 214, 248-257.	1.9	13
51	Lipoprotein(a) Levels Are Associated With Subclinical Calcific Aortic Valve Disease in White and Black Individuals. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 1003-1009.	1.1	63
52	FCGR3A and FCGR3B copy number variations are risk factors for sarcoidosis. Human Genetics, 2016, 135, 715-725.	1.8	10
53	On Efficient and Accurate Calculation of Significance Pâ€Values for Sequence Kernel Association Testing of Variant Set. Annals of Human Genetics, 2016, 80, 123-135.	0.3	22
54	Lifetime Risk and Risk Factors for Abdominal Aortic Aneurysm in a 24-Year Prospective Study. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 2468-2477.	1.1	103

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55	Powerful association test combining rare variant and gene expression using family data from Genetic Analysis Workshop 19. BMC Proceedings, 2016, 10, 251-255.	1.8	3
56	Imputation of missing covariate values in epigenome-wide analysis of DNA methylation data. Epigenetics, 2016, 11, 132-139.	1.3	10
57	No association between mitochondrial DNA copy number and colorectal adenomas. Molecular Carcinogenesis, 2016, 55, 1290-1296.	1.3	13
58	A genome-wide association study of n-3 and n-6 plasma fatty acids in a Singaporean Chinese population. Genes and Nutrition, 2015, 10, 53.	1.2	53
59	Sequence Kernel Association Analysis of Rare Variant Set Based on the Marginal Regression Model for Binary Traits. Genetic Epidemiology, 2015, 39, 399-405.	0.6	15
60	Concept and design of a genome-wide association genotyping array tailored for transplantation-specific studies. Genome Medicine, 2015, 7, 90.	3.6	49
61	Epigenome-wide study identifies novel methylation loci associated with body mass index and waist circumference. Obesity, 2015, 23, 1493-1501.	1.5	152
62	Genetic loci associated with circulating levels of very long-chain saturated fatty acids. Journal of Lipid Research, 2015, 56, 176-184.	2.0	38
63	Big data - a 21st century science Maginot Line? No-boundary thinking: shifting from the big data paradigm. BioData Mining, 2015, 8, 7.	2.2	6
64	Multigene predictors of tacrolimus exposure in kidney transplant recipients. Pharmacogenomics, 2015, 16, 841-854.	0.6	31
65	Race Is a Key Variable in Assigning Lipoprotein(a) Cutoff Values for Coronary Heart Disease Risk Assessment. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 996-1001.	1.1	126
66	Use of Lipoprotein Particle Measures for Assessing Coronary Heart Disease Risk Post-American Heart Association/American College of Cardiology Guidelines. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 448-454.	1.1	29
67	Epigenome-wide association study (EWAS) of BMI, BMI change and waist circumference in African American adults identifies multiple replicated loci. Human Molecular Genetics, 2015, 24, 4464-4479.	1.4	289
68	Reader Reaction on the Generalized Kruskalâ€“Wallis Test for Genetic Association Studies Incorporating Group Uncertainty. Biometrics, 2015, 71, 556-557.	0.8	4
69	Design of DNA Pooling to Allow Incorporation of Covariates in Rare Variants Analysis. PLoS ONE, 2014, 9, e114523.	1.1	1
70	Evaluation of microarray-based DNA methylation measurement using technical replicates: the Atherosclerosis Risk In Communities (ARIC) Study. BMC Bioinformatics, 2014, 15, 312.	1.2	52
71	Genome-Wide Association Study of Plasma N6 Polyunsaturated Fatty Acids Within the Cohorts for Heart and Aging Research in Genomic Epidemiology Consortium. Circulation: Cardiovascular Genetics, 2014, 7, 321-331.	5.1	164
72	Identifying Plausible Genetic Models Based on Association and Linkage Results: Application to Type 2 Diabetes. Genetic Epidemiology, 2012, 36, 820-828.	0.6	6