

# Chao-Yu Guo

## List of Publications by Year in descending order

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Version: 2024-02-01

92  
papers

4,106  
citations

159573

30  
h-index

118840

62  
g-index

95  
all docs

95  
docs citations

95  
times ranked

7161  
citing authors

#	ARTICLE	IF	CITATIONS
1	A common genetic variant in the NOS1 regulator NOS1AP modulates cardiac repolarization. <i>Nature Genetics</i> , 2006, 38, 644-651.	21.4	500
2	Cross-Sectional Correlates of Increased Aortic Stiffness in the Community. <i>Circulation</i> , 2007, 115, 2628-2636.	1.6	227
3	Contribution of Clinical Correlates and 13 C-Reactive Protein Gene Polymorphisms to Interindividual Variability in Serum C-Reactive Protein Level. <i>Circulation</i> , 2006, 113, 1415-1423.	1.6	204
4	Clinical and Genetic Correlates of Aldosterone-to-Renin Ratio and Relations to Blood Pressure in a Community Sample. <i>Hypertension</i> , 2007, 49, 846-856.	2.7	187
5	Prognostic Nutritional Index and the Risk of Mortality in Patients With Acute Heart Failure. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	182
6	Genetic correlates of longevity and selected age-related phenotypes: a genome-wide association study in the Framingham Study. <i>BMC Medical Genetics</i> , 2007, 8, S13.	2.1	171
7	The Framingham Heart Study 100K SNP genome-wide association study resource: overview of 17 phenotype working group reports. <i>BMC Medical Genetics</i> , 2007, 8, S1.	2.1	169
8	Cross-Sectional Association of Kidney Function with Valvular and Annular Calcification. <i>Journal of the American Society of Nephrology: JASN</i> , 2006, 17, 521-527.	6.1	155
9	Framingham Heart Study 100K project: genome-wide associations for cardiovascular disease outcomes. <i>BMC Medical Genetics</i> , 2007, 8, S5.	2.1	155
10	The adult galactosemic phenotype. <i>Journal of Inherited Metabolic Disease</i> , 2012, 35, 279-286.	3.6	151
11	Innate Immune Function and Mortality in Critically Ill Children With Influenza. <i>Critical Care Medicine</i> , 2013, 41, 224-236.	0.9	149
12	Analyze multivariate phenotypes in genetic association studies by combining univariate association tests. <i>Genetic Epidemiology</i> , 2010, 34, 444-454.	1.3	137
13	Inflammation, kidney function and albuminuria in the Framingham Offspring cohort. <i>Nephrology Dialysis Transplantation</i> , 2011, 26, 920-926.	0.7	117
14	Association of Multiple Inflammatory Markers with Carotid Intimal Medial Thickness and Stenosis (from the Framingham Heart Study). <i>American Journal of Cardiology</i> , 2007, 99, 1598-1602.	1.6	112
15	Relation of smoking status to a panel of inflammatory markers: The Framingham offspring. <i>Atherosclerosis</i> , 2008, 201, 217-224.	0.8	110
16	Genome-wide association study of electrocardiographic and heart rate variability traits: the Framingham Heart Study. <i>BMC Medical Genetics</i> , 2007, 8, S7.	2.1	86
17	Common Genetic Variation in <i>KCNH2</i> Is Associated With QT Interval Duration. <i>Circulation</i> , 2007, 116, 1128-1136.	1.6	78
18	Heritability of the Ankle-Brachial Index. <i>American Journal of Epidemiology</i> , 2006, 164, 963-968.	3.4	68

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19	Patient-Reported Vision-Related Quality of Life Differences Between Superior and Inferior Hemifield Visual Field Defects in Primary Open-Angle Glaucoma. <i>JAMA Ophthalmology</i> , 2015, 133, 269.	2.5	68
20	Cross-sectional relations of multiple inflammatory biomarkers to peripheral arterial disease: The Framingham Offspring Study. <i>Atherosclerosis</i> , 2009, 203, 509-514.	0.8	61
21	Relations of Inflammation and Novel Risk Factors to Valvular Calcification. <i>American Journal of Cardiology</i> , 2006, 97, 1502-1505.	1.6	60
22	The Risk of Epithelial Ovarian Cancer of Women With Endometriosis May be Varied Greatly if Diagnostic Criteria Are Different. <i>Medicine (United States)</i> , 2015, 94, e1633.	1.0	53
23	Subtypes of physical frailty: Latent class analysis and associations with clinical characteristics and outcomes. <i>Scientific Reports</i> , 2017, 7, 46417.	3.3	53
24	Clinical Correlates and Heritability of Cystatin C (from the Framingham Offspring Study). <i>American Journal of Cardiology</i> , 2008, 102, 1194-1198.	1.6	51
25	An increased risk of epithelial ovarian cancer in Taiwanese women with a new surgico-pathological diagnosis of endometriosis. <i>BMC Cancer</i> , 2014, 14, 831.	2.6	44
26	Hyponatremia and Worsening Sodium Levels Are Associated With Long-Term Outcome in Patients Hospitalized for Acute Heart Failure. <i>Journal of the American Heart Association</i> , 2016, 5, e002668.	3.7	44
27	Endometriosis and the subsequent risk of epithelial ovarian cancer. <i>Taiwanese Journal of Obstetrics and Gynecology</i> , 2014, 53, 530-535.	1.3	42
28	Clinical and echocardiographic correlates of plasma procollagen type III amino-terminal peptide levels in the community. <i>American Heart Journal</i> , 2007, 154, 291-297.	2.7	39
29	Poor immune response to a standard single dose non-adjuvanted vaccination against 2009 pandemic H1N1 influenza virus A in the adult and elder hemodialysis patients. <i>Vaccine</i> , 2012, 30, 5009-5018.	3.8	39
30	Vascular Stiffness and Genetic Variation at the Endothelial Nitric Oxide Synthase Locus. <i>Hypertension</i> , 2007, 49, 1285-1290.	2.7	34
31	Schizencephaly. <i>Journal of Child Neurology</i> , 2013, 28, 198-203.	1.4	30
32	Performance of AHEAD Score in an Asian Cohort of Acute Heart Failure With Either Preserved or Reduced Left Ventricular Systolic Function. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	29
33	A genome scan in affected sib-pairs with familial vesicoureteral reflux identifies a locus on chromosome 5. <i>European Journal of Human Genetics</i> , 2010, 18, 245-250.	2.8	28
34	Skeletal health in adult patients with classic galactosemia. <i>Osteoporosis International</i> , 2013, 24, 501-509.	3.1	28
35	Polymorphisms of Dioxin Receptor Complex Components and Detoxification-Related Genes Jointly Confer Susceptibility to Advanced-Stage Endometriosis in the Taiwanese Han Population. <i>American Journal of Reproductive Immunology</i> , 2012, 67, 160-168.	1.2	24
36	Determinants and Prognostic Impact of Hyperuricemia in Hospitalization for Acute Heart Failure. <i>Circulation Journal</i> , 2016, 80, 404-410.	1.6	24

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37	Evaluation of factors contributing to the decline in exclusive breastfeeding at 6 months postpartum: The 2011–2016 National Surveys in Taiwan. <i>Birth</i> , 2018, 45, 184-192.	2.2	23
38	Incidence of progression from newly diagnosed systemic lupus erythematosus to end stage renal disease and all-cause mortality: a nationwide cohort study in Taiwan. <i>International Journal of Rheumatic Diseases</i> , 2013, 16, 747-753.	1.9	16
39	A novel machine learning strategy for model selections - Stepwise Support Vector Machine (StepSVM). <i>PLoS ONE</i> , 2020, 15, e0238384.	2.5	16
40	The Optimal Machine Learning-Based Missing Data Imputation for the Cox Proportional Hazard Model. <i>Frontiers in Public Health</i> , 2021, 9, 680054.	2.7	16
41	Expectation Maximization Algorithm Based Haplotype Relative Risk (EM-HRR): Test of Linkage Disequilibrium Using Incomplete Case-Parents Trios. <i>Human Heredity</i> , 2005, 59, 125-135.	0.8	15
42	Endometriosis Might Be Inversely Associated with Developing Chronic Kidney Disease: A Population-Based Cohort Study in Taiwan. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1079.	4.1	15
43	Hemographic indices are associated with mortality in acute heart failure. <i>Scientific Reports</i> , 2017, 7, 17828.	3.3	15
44	Informative-Transmission Disequilibrium Test (i-TDT): combined linkage and association mapping that includes unaffected offspring as well as affected offspring. <i>Genetic Epidemiology</i> , 2007, 31, 115-133.	1.3	13
45	Weight and Age as Predictors for Passing the Infant Car Seat Challenge. <i>Pediatrics</i> , 2010, 125, 526-531.	2.1	13
46	The role of pulmonary function in patients with heart failure and preserved ejection fraction: Looking beyond chronic obstructive pulmonary disease. <i>PLoS ONE</i> , 2020, 15, e0235152.	2.5	13
47	Combined haplotype relative risk (CHRR): a general and simple genetic association test that combines trios and unrelated case–controls. <i>Genetic Epidemiology</i> , 2009, 33, 54-62.	1.3	12
48	Inadequate gestational weight gain contributes to increasing rates of low birth weight in Taiwan: 2011–2016 nationwide surveys. <i>Taiwanese Journal of Obstetrics and Gynecology</i> , 2021, 60, 857-862.	1.3	12
49	Genome gender diversity in affected sib–pairs with familial vesico–ureteric reflux identified by single nucleotide polymorphism linkage analysis. <i>BJU International</i> , 2012, 109, 1709-1714.	2.5	11
50	Precipitation Increases the Occurrence of Sporadic Legionnaires™ Disease in Taiwan. <i>PLoS ONE</i> , 2014, 9, e114337.	2.5	11
51	Interobserver and intraobserver variability in measuring the tortuosity of the thoracic aorta on computed tomography. <i>Journal of Vascular Surgery</i> , 2018, 68, 1183-1192.e1.	1.1	10
52	Clinical Characteristics and Outcomes in the Very Elderly Patients Hospitalized for Acute Heart Failure: Importance of Pharmacologic Guideline Adherence. <i>Scientific Reports</i> , 2018, 8, 14270.	3.3	10
53	Subsequent Development of Epithelial Ovarian Cancer After Ovarian Surgery for Benign Ovarian Tumor: A Population-Based Cohort Study. <i>Clinical Epidemiology</i> , 2020, Volume 12, 637-649.	3.0	10
54	The Comprehensive Machine Learning Analytics for Heart Failure. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4943.	2.6	10

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55	Perioperative Corticosteroid Reduces Hospital Stay After Fronto-Orbital Advancement. <i>Journal of Craniofacial Surgery</i> , 2010, 21, 344-348.	0.7	9
56	A statistical predictive model consistent within a 5-year follow-up period for patients with acute heart failure. <i>Journal of the Chinese Medical Association</i> , 2020, 83, 1008-1013.	1.4	9
57	A Novel Algorithm to Estimate the Significance Level of a Feature Interaction Using the Extreme Gradient Boosting Machine. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 2338.	2.6	9
58	A three-stage approach for genome-wide association studies with family data for quantitative traits. <i>BMC Genetics</i> , 2010, 11, 40.	2.7	8
59	Red Cell Distribution Width and the Risk of Mortality in Patients With Acute Heart Failure With or Without Cardiorenal Anemia Syndrome. <i>American Journal of Cardiology</i> , 2016, 117, 399-403.	1.6	8
60	Health Literacy and Task Environment Influence Parents' Burden for Data Entry on Child-Specific Health Information: Randomized Controlled Trial. <i>Journal of Medical Internet Research</i> , 2011, 13, e13.	4.3	8
61	Impact of non-ignorable missingness on genetic tests of linkage and/or association using case-parent trios. <i>BMC Genetics</i> , 2005, 6, S90.	2.7	7
62	The influence of task environment and health literacy on the quality of parent-reported ADHD data. <i>Applied Clinical Informatics</i> , 2012, 03, 24-37.	1.7	7
63	Guiding Hypertension Management Using Different Blood Pressure Monitoring Strategies (GYMNs) Tj ETQq1 1 0.784314 rgBT /Overlo randomized controlled trial. <i>Trials</i> , 2019, 20, 265.	1.6	7
64	Dose-Response Relationships between Breastfeeding and Postpartum Weight Retention Differ by Pre-Pregnancy Body-Mass Index in Taiwanese Women. <i>Nutrients</i> , 2020, 12, 1065.	4.1	7
65	Patient-Reported Vision-Related Quality-of-Life Differences between Primary Angle-Closure Glaucoma and Primary Open-Angle Glaucoma. <i>PLoS ONE</i> , 2016, 11, e0163123.	2.5	6
66	Feasibility of the transcatheter mitral valve repair for patients with severe mitral regurgitation and endangered heart failure. <i>Journal of the Formosan Medical Association</i> , 2021, 120, 452-459.	1.7	6
67	Extensions of the distributed lag non-linear model (DLNM) to account for cumulative mortality. <i>Environmental Science and Pollution Research</i> , 2021, 28, 38679-38688.	5.3	6
68	When Are We Most Vulnerable to Temperature Variations in a Day?. <i>PLoS ONE</i> , 2014, 9, e113195.	2.5	6
69	The impact of complex informative missingness on the validity of the transmission/disequilibrium test (TDT). <i>BMC Proceedings</i> , 2007, 1, S26.	1.6	5
70	Risks of female genital tract related cancers (gynecological cancers) or breast cancer in women with and without chronic kidney disease. <i>Medicine (United States)</i> , 2018, 97, e0157.	1.0	5
71	Perturbations of pulsatile hemodynamics and clinical outcomes in patients with acute heart failure and reduced, mid-range or preserved ejection fraction. <i>PLoS ONE</i> , 2019, 14, e0220183.	2.5	5
72	The ventilatory abnormalities and prognostic values of H 2 FPEF score in dyspnoeic patients with preserved left ventricle systolic function. <i>ESC Heart Failure</i> , 2020, 7, 1872-1879.	3.1	5

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73	Impact of dietary intake of sodium and potassium on short-term blood pressure variability. <i>Journal of Hypertension</i> , 2021, 39, 1835-1843.	0.5	5
74	Testing informative missingness in genetic studies using case-parent triads. <i>European Journal of Human Genetics</i> , 2008, 16, 992-1001.	2.8	4
75	Wound Care Knowledge, Attitudes, and Practices and Mobile Health Technology Use in the Home Environment: Cross-Sectional Survey of Social Network Users. <i>JMIR MHealth and UHealth</i> , 2020, 8, e15678.	3.7	4
76	Joint modeling of linkage and association using affected sib-pair data. <i>BMC Proceedings</i> , 2007, 1, S38.	1.6	3
77	Evaluation of T1/T2 ratios in a pilot study as a potential biomarker of biopsy-proven benign and malignant breast lesions in correlation with histopathological disease stage. <i>Future Science OA</i> , 2017, 3, FSO197.	1.9	3
78	Prognostic Comparison of the Estimations of Renal Function in Patients With Acute Heart Failure. <i>Circulation Journal</i> , 2019, 83, 767-774.	1.6	3
79	Association Between Targeted Aortic Segment Tortuosity and Stent-Craft-Induced New Entry After Thoracic Endovascular Aortic Repair for Aortic Dissection or Intramural Hematoma. <i>American Journal of Roentgenology</i> , 2020, 214, 679-686.	2.2	2
80	Risk stratification in patients hospitalized for acute heart failure in Asian population. <i>Journal of the Chinese Medical Association</i> , 2020, 83, 544-550.	1.4	2
81	A novel cross-validation strategy for artificial neural networks using distributed-lag environmental factors. <i>PLoS ONE</i> , 2021, 16, e0244094.	2.5	2
82	Prognostic Role of Pulmonary Function in Patients With Heart Failure With Reduced Ejection Fraction. <i>Journal of the American Heart Association</i> , 2022, 11, e023422.	3.7	2
83	A novel test of informative missingness using inconsistent linkage disequilibrium signals between case-parent triads and incomplete data. <i>Journal of Human Genetics</i> , 2012, 57, 601-609.	2.3	1
84	The Logistic Regression Model for Gene-Environment Interactions Using Both Case-Parent Trios and Unrelated Case-Controls. <i>Annals of Human Genetics</i> , 2014, 78, 299-305.	0.8	1
85	Comparison between American Institute of Medicine Guidelines and Local Recommendation for Gestational Weight Gain in Taiwanese Primiparous Women. <i>Maternal and Child Health Journal</i> , 2021, 25, 1981-1991.	1.5	1
86	Serum Levels Of Interleukins 6, 8, 10, MCP-1 And GCSF Are Risk Factors For Mortality In Children Admitted To The ICU With Influenza Infection. , 2010, , .		0
87	Vitamin D Deficiency Is Associated With Mortality In Patients Admitted To The Pediatric Intensive Care Unit With Community-Acquired Influenza Infection. , 2010, , .		0
88	Risk Factors For Mortality In Children Admitted To The ICU With Influenza Infection. , 2010, , .		0
89	Family-based gene-environment interaction using sequence kernel association test (FGE-SKAT) for complex quantitative traits. <i>Scientific Reports</i> , 2021, 11, 7431.	3.3	0
90	Association Between ADHD Clinical Characteristics and Quality of Life Domains. <i>Journal of Developmental and Behavioral Pediatrics</i> , 2010, 31, E17.	1.1	0

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91	Predictive model of indoor temperature from ambient levels. ISEE Conference Abstracts, 2013, 2013, 4326.	0.0	0
92	Network Meta-analysis and Trial Sequential Analysis for Atrial Fibrillation Patients Receiving PCI or with ACS. Journal of the Chinese Medical Association, 2021, Publish Ahead of Print, .	1.4	0