

# Chuhsing Kate Hsiao

## List of Publications by Year in descending order

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102  
papers

4,821  
citations

185998

28  
h-index

95083

68  
g-index

105  
all docs

105  
docs citations

105  
times ranked

6814  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hepatitis B e Antigen and the Risk of Hepatocellular Carcinoma. <i>New England Journal of Medicine</i> , 2002, 347, 168-174.	13.9	1,170
2	miRSystem: An Integrated System for Characterizing Enriched Functions and Pathways of MicroRNA Targets. <i>PLoS ONE</i> , 2012, 7, e42390.	1.1	277
3	Identification of a Novel Biomarker, <i>SEMA5A</i> , for Non-Small Cell Lung Carcinoma in Nonsmoking Women. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2010, 19, 2590-2597.	1.1	270
4	A review of the epidemiologic literature on the role of environmental arsenic exposure and cardiovascular diseases. <i>Toxicology and Applied Pharmacology</i> , 2007, 222, 315-326.	1.3	219
5	Changes in Serum Levels of HBV DNA and Alanine Aminotransferase Determine Risk for Hepatocellular Carcinoma. <i>Gastroenterology</i> , 2011, 141, 1240-1248.e2.	0.6	219
6	MicroRNA Expression Aberration as Potential Peripheral Blood Biomarkers for Schizophrenia. <i>PLoS ONE</i> , 2011, 6, e21635.	1.1	200
7	An intervention trial on efficacy of atropine and multi-focal glasses in controlling myopic progression. <i>Acta Ophthalmologica</i> , 2001, 79, 233-236.	0.4	179
8	Spontaneous seroclearance of hepatitis B seromarkers and subsequent risk of hepatocellular carcinoma. <i>Gut</i> , 2014, 63, 1648-1657.	6.1	161
9	Survey of substance use among high school students in Taipei: Web-based questionnaire versus paper-and-pencil questionnaire. <i>Journal of Adolescent Health</i> , 2005, 37, 289-295.	1.2	111
10	Myopia among schoolchildren in East Asia and Singapore. <i>Survey of Ophthalmology</i> , 2017, 62, 677-697.	1.7	102
11	First Untoward Events and Reasons for Tooth Extraction after Nonsurgical Endodontic Treatment in Taiwan. <i>Journal of Endodontics</i> , 2008, 34, 671-674.	1.4	97
12	Visual outcomes for high myopic patients with or without myopic maculopathy: a 10 year follow up study. <i>British Journal of Ophthalmology</i> , 2006, 90, 546-550.	2.1	91
13	An Epidemiologic Study of Tooth Retention After Nonsurgical Endodontic Treatment in a Large Population in Taiwan. <i>Journal of Endodontics</i> , 2007, 33, 226-229.	1.4	87
14	Significantly higher frequencies of presence of serum autoantibodies in Chinese patients with oral lichen planus. <i>Journal of Oral Pathology and Medicine</i> , 2009, 38, 48-54.	1.4	87
15	A predictive scoring system for the seroclearance of HBsAg in HBeAg-seronegative chronic hepatitis B patients with genotype B or C infection. <i>Journal of Hepatology</i> , 2013, 58, 853-860.	1.8	80
16	Regression-Based Association Analysis with Clustered Haplotypes through Use of Genotypes. <i>American Journal of Human Genetics</i> , 2006, 78, 231-242.	2.6	79
17	Molecular Characteristics and Metastasis Predictor Genes of Triple-Negative Breast Cancer: A Clinical Study of Triple-Negative Breast Carcinomas. <i>PLoS ONE</i> , 2012, 7, e45831.	1.1	76
18	Impact of Diabetes Mellitus, Hypertension, and Coronary Artery Disease on Tooth Extraction after Nonsurgical Endodontic Treatment. <i>Journal of Endodontics</i> , 2011, 37, 1-5.	1.4	73

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19	Low sex hormone-binding globulin is associated with low high-density lipoprotein cholesterol and metabolic syndrome in women with PCOS. <i>Human Reproduction</i> , 2006, 21, 2266-2271.	0.4	71
20	Integrated Analyses of Copy Number Variations and Gene Expression in Lung Adenocarcinoma. <i>PLoS ONE</i> , 2011, 6, e24829.	1.1	68
21	Use of ecstasy and other psychoactive substances among school-attending adolescents in Taiwan: national surveys 2004–2006. <i>BMC Public Health</i> , 2009, 9, 27.	1.2	65
22	Evolution of the Prevalence of Myopia among Taiwanese Schoolchildren. <i>Ophthalmology</i> , 2021, 128, 290-301.	2.5	60
23	The Prevalence of Astigmatism in Taiwan Schoolchildren. <i>Optometry and Vision Science</i> , 2004, 81, 94-98.	0.6	59
24	Technical quality of root canal treatment in Taiwan. <i>International Endodontic Journal</i> , 2003, 36, 416-422.	2.3	56
25	The association of single nucleotide polymorphisms in the 5'-regulatory region of the lumican gene with susceptibility to high myopia in Taiwan. <i>Molecular Vision</i> , 2006, 12, 852-7.	1.1	45
26	Comparing myopic progression of urban and rural Taiwanese schoolchildren. <i>Japanese Journal of Ophthalmology</i> , 2010, 54, 446-451.	0.9	37
27	Increased risk of QT prolongation associated with atherosclerotic diseases in arseniasis-endemic area in southwestern coast of Taiwan. <i>Toxicology and Applied Pharmacology</i> , 2009, 239, 320-324.	1.3	34
28	Genetic and Environmental Influences on Schizotypy among Adolescents in Taiwan: A Multivariate Twin/sibling Analysis. <i>Behavior Genetics</i> , 2007, 37, 334-344.	1.4	30
29	Nonlinear measures of association with kernel canonical correlation analysis and applications. <i>Journal of Statistical Planning and Inference</i> , 2009, 139, 2162-2174.	0.4	29
30	Using Hamming Distance as Information for SNP-Sets Clustering and Testing in Disease Association Studies. <i>PLoS ONE</i> , 2015, 10, e0135918.	1.1	29
31	Distinct seromarkers predict different milestones of chronic hepatitis B progression. <i>Hepatology</i> , 2014, 60, 77-86.	3.6	28
32	Globally temporal transitions of blood lead levels of preschool children across countries of different categories of Human Development Index. <i>Science of the Total Environment</i> , 2019, 659, 1395-1402.	3.9	28
33	Arsenic-Induced QT Dispersion is Associated with Atherosclerotic Diseases and Predicts Long-Term Cardiovascular Mortality in Subjects with Previous Exposure to Arsenic: A 17-Year Follow-Up Study. <i>Cardiovascular Toxicology</i> , 2010, 10, 17-26.	1.1	27
34	Identification of regulatory SNPs associated with genetic modifications in lung adenocarcinoma. <i>BMC Research Notes</i> , 2015, 8, 92.	0.6	27
35	Chronic hepatitis B infection and risk of atherosclerosis-related mortality: A 17-year follow-up study based on 22,472 residents in Taiwan. <i>Atherosclerosis</i> , 2010, 211, 624-629.	0.4	26
36	Identification of Prognostic Genes for Recurrent Risk Prediction in Triple Negative Breast Cancer Patients in Taiwan. <i>PLoS ONE</i> , 2011, 6, e28222.	1.1	25

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37	Early alcohol experiences and adolescent mental health: A population-based study in Taiwan. <i>Drug and Alcohol Dependence</i> , 2008, 95, 209-218.	1.6	22
38	Probabilistic Daily ILI Syndromic Surveillance with a Spatio-Temporal Bayesian Hierarchical Model. <i>PLoS ONE</i> , 2010, 5, e11626.	1.1	20
39	Cotton swab cryotherapy for oral leukoplakia. <i>Head and Neck</i> , 2009, 31, 983-988.	0.9	19
40	Bayesian random effects for interrater and test-retest reliability with nested clinical observations. <i>Journal of Clinical Epidemiology</i> , 2011, 64, 808-814.	2.4	19
41	Approximate Bayes Factors When a Mode Occurs on the Boundary. <i>Journal of the American Statistical Association</i> , 1997, 92, 656-663.	1.8	16
42	Employment experience in relation to alcohol, tobacco, and betel nut use among youth in Taiwan. <i>Drug and Alcohol Dependence</i> , 2006, 84, 273-280.	1.6	16
43	Long-term visual prognosis of infantile-onset high myopia. <i>Eye</i> , 2006, 20, 888-892.	1.1	16
44	Localization of a susceptibility locus for hepatocellular carcinoma to chromosome 4q in a hepatitis B hyperendemic area. <i>Oncogene</i> , 2006, 25, 3219-3224.	2.6	16
45	Maximum number of live births per donor in artificial insemination. <i>Human Reproduction</i> , 2007, 22, 1363-1372.	0.4	16
46	Comparing the performance of two indices for spatial model selection: application to two mortality data. <i>Statistics in Medicine</i> , 2000, 19, 1915-1930.	0.8	14
47	Association of older paternal age with earlier onset among co-affected schizophrenia sib-pairs. <i>Psychological Medicine</i> , 2015, 45, 2205-2213.	2.7	14
48	Cigarette smoking increases the risk of nasopharyngeal carcinoma through the elevated level of IgA antibody against Epstein-Barr virus capsid antigen: A mediation analysis. <i>Cancer Medicine</i> , 2020, 9, 1867-1876.	1.3	14
49	Pre-diagnostic blood immune markers, incidence and progression of B-cell lymphoma and multiple myeloma: Univariate and functionally informed multivariate analyses. <i>International Journal of Cancer</i> , 2018, 143, 1335-1347.	2.3	13
50	Rare variants discovery by extensive whole-genome sequencing of the Han Chinese population in Taiwan: Applications to cardiovascular medicine. <i>Journal of Advanced Research</i> , 2021, 30, 147-158.	4.4	13
51	Transition From Alcohol to Other Drugs Among Adolescents in Taiwan: The First Drinking Context Matters. <i>Journal of Studies on Alcohol and Drugs</i> , 2008, 69, 378-387.	0.6	12
52	Akt1 deficiency modulates reward learning and reward prediction error in mice. <i>Genes, Brain and Behavior</i> , 2012, 11, 157-169.	1.1	12
53	Network hub-node prioritization of gene regulation with intra-network association. <i>BMC Bioinformatics</i> , 2020, 21, 101.	1.2	12
54	Estimating the second-stage sample size and the most probable number of hot spots from a first-stage sample of heavy-metal contaminated soil. <i>Geoderma</i> , 2000, 95, 73-88.	2.3	11

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55	Inference of nested variance components in a longitudinal myopia intervention trial. <i>Statistics in Medicine</i> , 2005, 24, 3251-3267.	0.8	11
56	Computation of reference Bayesian inference for variance components in longitudinal studies. <i>Computational Statistics</i> , 2008, 23, 587-604.	0.8	11
57	A new regularized least squares support vector regression for gene selection. <i>BMC Bioinformatics</i> , 2009, 10, 44.	1.2	11
58	A simple Bayesian mixture model with a hybrid procedure for genome-wide association studies. <i>European Journal of Human Genetics</i> , 2010, 18, 942-947.	1.4	11
59	Use of Germline Polymorphisms in Predicting Concurrent Chemoradiotherapy Response in Esophageal Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 82, 1996-2003.	0.4	11
60	SNP rs10248565 in HDAC9 as a novel genomic aberration biomarker of lung adenocarcinoma in non-smoking women. <i>Journal of Biomedical Science</i> , 2014, 21, 24.	2.6	11
61	Identification of Genes with Consistent Methylation Levels across Different Human Tissues. <i>Scientific Reports</i> , 2015, 4, 4351.	1.6	11
62	The Genetic Effect on Refractive Error and Anterior Corneal Aberration: Twin Eye Study. <i>Journal of Refractive Surgery</i> , 2007, 23, 257-265.	1.1	11
63	The impact of national health insurance on the volume and severity of emergency department use. <i>American Journal of Emergency Medicine</i> , 1998, 16, 92-94.	0.7	9
64	A two-stage design for multiple testing in large-scale association studies. <i>Journal of Human Genetics</i> , 2006, 51, 523-532.	1.1	9
65	Five-year Follow-up Study of Tooth Extraction After Nonsurgical Endodontic Treatment in a Large Population in Taiwan. <i>Journal of the Formosan Medical Association</i> , 2008, 107, 686-692.	0.8	9
66	The Impact of Matching Vaccine Strains and Post-SARS Public Health Efforts on Reducing Influenza-Associated Mortality among the Elderly. <i>PLoS ONE</i> , 2010, 5, e11317.	1.1	8
67	Multilevel analysis of habitual physical activity and metabolic syndrome in Northern Taiwan. <i>Preventive Medicine</i> , 2011, 53, 34-38.	1.6	7
68	Co-modulation analysis of gene regulation in breast cancer reveals complex interplay between ESR1 and ERBB2 genes. <i>BMC Genomics</i> , 2015, 16, S19.	1.2	7
69	Probabilistic prioritization of candidate pathway association with pathway score. <i>BMC Bioinformatics</i> , 2018, 19, 391.	1.2	6
70	Association test using Copy Number Profile Curves (CONCUR) enhances power in rare copy number variant analysis. <i>PLoS Computational Biology</i> , 2020, 16, e1007797.	1.5	6
71	HYPERREFLECTIVE FOCI AS IMPORTANT PROGNOSTIC INDICATORS OF PROGRESSION OF RETINITIS PIGMENTOSA. <i>Retina</i> , 2022, 42, 388-395.	1.0	6
72	Bayesian marginal inference via candidate's formula. <i>Statistics and Computing</i> , 2004, 14, 59-66.	0.8	5

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73	Extended Bayesian Model Averaging in Generalized Linear Mixed Models Applied to Schizophrenia Family Data. <i>Annals of Human Genetics</i> , 2011, 75, 62-77.	0.3	5
74	Evaluation of Rare and Common Variants from Suspected Familial or Sporadic Nasopharyngeal Carcinoma (NPC) Susceptibility Genes in Sporadic NPC. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2019, 28, 1682-1686.	1.1	5
75	Module-Based Association Analysis for Omics Data with Network Structure. <i>PLoS ONE</i> , 2015, 10, e0122309.	1.1	5
76	Application of graphical lasso in estimating network structure in gene set. <i>Annals of Translational Medicine</i> , 2020, 8, 1556-1556.	0.7	5
77	Gene-set Analysis with CGI Information for Differential DNA Methylation Profiling. <i>Scientific Reports</i> , 2016, 6, 24666.	1.6	4
78	Approximate Bayes Factors When a Mode Occurs on the Boundary. , 0, .		4
79	Optimal volume-corrected laplace-metropolis method. <i>Annals of the Institute of Statistical Mathematics</i> , 2003, 55, 655-670.	0.5	3
80	A grid-search algorithm for optimal allocation of sample size in two-stage association studies. <i>Journal of Human Genetics</i> , 2007, 52, 650-658.	1.1	3
81	A Bayesian Spatial Multimarker Genetic Random Effect Model for Fine Scale Mapping. <i>Annals of Human Genetics</i> , 2008, 72, 658-669.	0.3	3
82	Combining an Evolution-guided Clustering Algorithm and Haplotype-based LRT in Family Association Studies. <i>BMC Genetics</i> , 2011, 12, 48.	2.7	3
83	Using an Uncertainty-Coding Matrix in Bayesian Regression Models for Haplotype-Specific Risk Detection in Family Association Studies. <i>PLoS ONE</i> , 2011, 6, e21890.	1.1	3
84	Inference of Cross-Level Interaction between Genes and Contextual Factors in a Matched Case-Control Metabolic Syndrome Study: A Bayesian Approach. <i>PLoS ONE</i> , 2013, 8, e56693.	1.1	3
85	The misuse of distributional assumptions in functional class scoring gene-set and pathway analysis. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	0.8	3
86	Modeling the Association Between Clusters of SNPs and Disease Responses. , 2015, , 115-134.		3
87	Effects of Implicit Parameters in Segregation Analysis. <i>Human Heredity</i> , 2001, 51, 192-198.	0.4	2
88	Bayesian tests of extra-Binomial variability. <i>Statistics in Medicine</i> , 2005, 24, 49-64.	0.8	2
89	Bayesian nonparametric clustering and association studies for candidate SNP observations. <i>International Journal of Approximate Reasoning</i> , 2017, 80, 19-35.	1.9	2
90	An Integrative Co-localization (INCO) Analysis for SNV and CNV Genomic Features With an Application to Taiwan Biobank Data. <i>Frontiers in Genetics</i> , 2021, 12, 709555.	1.1	2

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91	Statistical Analysis of Biomarkers for Personalized Medicine. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-2.	0.7	1
92	Applications of Bayesian Gene Selection and Classification with Mixtures of Generalized Singular-Priors. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-11.	0.7	1
93	Metabolic Syndromes as Important Comorbidities in Patients of Inherited Retinal Degenerations: Experiences from the Nationwide Health Database and a Large Hospital-Based Cohort. International Journal of Environmental Research and Public Health, 2021, 18, 2065.	1.2	1
94	Abstract 441: Temporal profiling of a breast cancer cell line MCF-7 in response to reoxygenation. , 2010, , .		1
95	Comparison of triple negative breast cancer between Asian and western data sets. , 2010, , .		0
96	Concurrent analysis of copy number variation and gene expression: Application in paired non-smoking female lung cancer patients. , 2010, , .		0
97	Concurrent analysis of copy number variation and gene expression: application in paired non-smoking female lung cancer patients. International Journal of Data Mining and Bioinformatics, 2013, 8, 92.	0.1	0
98	A stochastic inference of de novo CNV detection and association test in multiplex schizophrenia families. Frontiers in Genetics, 2013, 4, 185.	1.1	0
99	Reexamining Dis/Similarity-Based Tests for Rare-Variant Association with Case-Control Samples. Genetics, 2018, 209, 105-113.	1.2	0
100	Abstract 3977: Gene-expression signature specifically associated with triple-negative breast cancer pertaining to asian ethnicity. , 2010, , .		0
101	Abstract 55: Prediction of miRNA target genes using a hidden Markov model. , 2011, , .		0
102	Editorial: Current Status and Future Challenges of Biobank Data Analysis. Frontiers in Genetics, 2022, 13, 882611.	1.1	0