

Chuhsing Kate Hsiao

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

4,821
citations

186209

28
h-index

95218

68
g-index

105
all docs

105
docs citations

105
times ranked

6814
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | HYPERREFLECTIVE FOCI AS IMPORTANT PROGNOSTIC INDICATORS OF PROGRESSION OF RETINITIS PIGMENTOSA. <i>Retina</i> , 2022, 42, 388-395. | 1.0 | 6 |
| 2 | 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 |
| 3 | Editorial: Current Status and Future Challenges of Biobank Data Analysis. <i>Frontiers in Genetics</i> , 2022, 13, 882611. | 1.1 | 0 |
| 4 | Evolution of the Prevalence of Myopia among Taiwanese Schoolchildren. <i>Ophthalmology</i> , 2021, 128, 290-301. | 2.5 | 60 |
| 5 | 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 |
| 6 | Metabolic Syndromes as Important Comorbidities in Patients of Inherited Retinal Degenerations: Experiences from the Nationwide Health Database and a Large Hospital-Based Cohort. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 2065. | 1.2 | 1 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | Network hub-node prioritization of gene regulation with intra-network association. <i>BMC Bioinformatics</i> , 2020, 21, 101. | 1.2 | 12 |
| 11 | Application of graphical lasso in estimating network structure in gene set. <i>Annals of Translational Medicine</i> , 2020, 8, 1556-1556. | 0.7 | 5 |
| 12 | 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 |
| 13 | 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 |
| 14 | Reexamining Dis/Similarity-Based Tests for Rare-Variant Association with Case-Control Samples. <i>Genetics</i> , 2018, 209, 105-113. | 1.2 | 0 |
| 15 | 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 |
| 16 | Probabilistic prioritization of candidate pathway association with pathway score. <i>BMC Bioinformatics</i> , 2018, 19, 391. | 1.2 | 6 |
| 17 | Myopia among schoolchildren in East Asia and Singapore. <i>Survey of Ophthalmology</i> , 2017, 62, 677-697. | 1.7 | 102 |
| 18 | Bayesian nonparametric clustering and association studies for candidate SNP observations. <i>International Journal of Approximate Reasoning</i> , 2017, 80, 19-35. | 1.9 | 2 |

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|----|--|-----|-----------|
| 19 | Gene-set Analysis with CGI Information for Differential DNA Methylation Profiling. <i>Scientific Reports</i> , 2016, 6, 24666. | 1.6 | 4 |
| 20 | 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 |
| 21 | 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 |
| 22 | Identification of regulatory SNPs associated with genetic modifications in lung adenocarcinoma. <i>BMC Research Notes</i> , 2015, 8, 92. | 0.6 | 27 |
| 23 | Identification of Genes with Consistent Methylation Levels across Different Human Tissues. <i>Scientific Reports</i> , 2015, 4, 4351. | 1.6 | 11 |
| 24 | Module-Based Association Analysis for Omics Data with Network Structure. <i>PLoS ONE</i> , 2015, 10, e0122309. | 1.1 | 5 |
| 25 | 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 |
| 26 | Modeling the Association Between Clusters of SNPs and Disease Responses. , 2015, , 115-134. | | 3 |
| 27 | Spontaneous seroclearance of hepatitis B seromarkers and subsequent risk of hepatocellular carcinoma. <i>Gut</i> , 2014, 63, 1648-1657. | 6.1 | 161 |
| 28 | Distinct seromarkers predict different milestones of chronic hepatitis B progression. <i>Hepatology</i> , 2014, 60, 77-86. | 3.6 | 28 |
| 29 | 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 |
| 30 | 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 |
| 31 | Concurrent analysis of copy number variation and gene expression: application in paired non-smoking female lung cancer patients. <i>International Journal of Data Mining and Bioinformatics</i> , 2013, 8, 92. | 0.1 | 0 |
| 32 | A stochastic inference of de novo CNV detection and association test in multiplex schizophrenia families. <i>Frontiers in Genetics</i> , 2013, 4, 185. | 1.1 | 0 |
| 33 | Statistical Analysis of Biomarkers for Personalized Medicine. <i>Computational and Mathematical Methods in Medicine</i> , 2013, 2013, 1-2. | 0.7 | 1 |
| 34 | Applications of Bayesian Gene Selection and Classification with Mixtures of Generalized Singular -Priors. <i>Computational and Mathematical Methods in Medicine</i> , 2013, 2013, 1-11. | 0.7 | 1 |
| 35 | 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 |
| 36 | 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 |

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|----|---|-----|-----------|
| 37 | Akt1 deficiency modulates reward learning and reward prediction error in mice. <i>Genes, Brain and Behavior</i> , 2012, 11, 157-169. | 1.1 | 12 |
| 38 | miRSystem: An Integrated System for Characterizing Enriched Functions and Pathways of MicroRNA Targets. <i>PLoS ONE</i> , 2012, 7, e42390. | 1.1 | 277 |
| 39 | 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 |
| 40 | 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 |
| 41 | Combining an Evolution-guided Clustering Algorithm and Haplotype-based LRT in Family Association Studies. <i>BMC Genetics</i> , 2011, 12, 48. | 2.7 | 3 |
| 42 | 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 |
| 43 | 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 |
| 44 | 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 |
| 45 | Integrated Analyses of Copy Number Variations and Gene Expression in Lung Adenocarcinoma. <i>PLoS ONE</i> , 2011, 6, e24829. | 1.1 | 68 |
| 46 | 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 |
| 47 | 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 |
| 48 | Multilevel analysis of habitual physical activity and metabolic syndrome in Northern Taiwan. <i>Preventive Medicine</i> , 2011, 53, 34-38. | 1.6 | 7 |
| 49 | MicroRNA Expression Aberration as Potential Peripheral Blood Biomarkers for Schizophrenia. <i>PLoS ONE</i> , 2011, 6, e21635. | 1.1 | 200 |
| 50 | Abstract 55: Prediction of miRNA target genes using a hidden Markov model. , 2011, , . | | 0 |
| 51 | Comparing myopic progression of urban and rural Taiwanese schoolchildren. <i>Japanese Journal of Ophthalmology</i> , 2010, 54, 446-451. | 0.9 | 37 |
| 52 | 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 |
| 53 | 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 |
| 54 | Probabilistic Daily ILI Syndromic Surveillance with a Spatio-Temporal Bayesian Hierarchical Model. <i>PLoS ONE</i> , 2010, 5, e11626. | 1.1 | 20 |

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|----|---|-----|-----------|
| 55 | 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 |
| 56 | Comparison of triple negative breast cancer between Asian and western data sets. , 2010, , . | | 0 |
| 57 | Concurrent analysis of copy number variation and gene expression: Application in paired non-smoking female lung cancer patients. , 2010, , . | | 0 |
| 58 | 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 |
| 59 | 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 |
| 60 | Abstract 441: Temporal profiling of a breast cancer cell line MCF-7 in response to reoxygenation. , 2010, , . | | 1 |
| 61 | Abstract 3977: Gene-expression signature specifically associated with triple-negative breast cancer pertaining to asian ethnicity. , 2010, , . | | 0 |
| 62 | 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 |
| 63 | 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 |
| 64 | A new regularized least squares support vector regression for gene selection. <i>BMC Bioinformatics</i> , 2009, 10, 44. | 1.2 | 11 |
| 65 | 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 |
| 66 | Cotton-swab cryotherapy for oral leukoplakia. <i>Head and Neck</i> , 2009, 31, 983-988. | 0.9 | 19 |
| 67 | 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 |
| 68 | Computation of reference Bayesian inference for variance components in longitudinal studies. <i>Computational Statistics</i> , 2008, 23, 587-604. | 0.8 | 11 |
| 69 | 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 |
| 70 | 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 |
| 71 | 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 |
| 72 | 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 |

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|----|---|-----|-----------|
| 73 | 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 |
| 74 | Maximum number of live births per donor in artificial insemination. <i>Human Reproduction</i> , 2007, 22, 1363-1372. | 0.4 | 16 |
| 75 | 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 |
| 76 | 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 |
| 77 | 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 |
| 78 | 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 |
| 79 | 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 |
| 80 | 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 |
| 81 | 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 |
| 82 | Long-term visual prognosis of infantile-onset high myopia. <i>Eye</i> , 2006, 20, 888-892. | 1.1 | 16 |
| 83 | 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 |
| 84 | 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 |
| 85 | 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 |
| 86 | 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 |
| 87 | 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 |
| 88 | Bayesian tests of extra-Binomial variability. <i>Statistics in Medicine</i> , 2005, 24, 49-64. | 0.8 | 2 |
| 89 | Inference of nested variance components in a longitudinal myopia intervention trial. <i>Statistics in Medicine</i> , 2005, 24, 3251-3267. | 0.8 | 11 |
| 90 | 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 |

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| 91 | Bayesian marginal inference via candidate's formula. <i>Statistics and Computing</i> , 2004, 14, 59-66. | 0.8 | 5 |
| 92 | The Prevalence of Astigmatism in Taiwan Schoolchildren. <i>Optometry and Vision Science</i> , 2004, 81, 94-98. | 0.6 | 59 |
| 93 | Optimal volume-corrected laplace-metropolis method. <i>Annals of the Institute of Statistical Mathematics</i> , 2003, 55, 655-670. | 0.5 | 3 |
| 94 | Technical quality of root canal treatment in Taiwan. <i>International Endodontic Journal</i> , 2003, 36, 416-422. | 2.3 | 56 |
| 95 | 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 |
| 96 | Effects of Implicit Parameters in Segregation Analysis. <i>Human Heredity</i> , 2001, 51, 192-198. | 0.4 | 2 |
| 97 | 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 |
| 98 | 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 |
| 99 | 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 |
| 100 | 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 |
| 101 | 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 |
| 102 | Approximate Bayes Factors When a Mode Occurs on the Boundary. , 0, . | | 4 |