Zhongxue Chen

List of Publications by Year
in descending order

108 papers	2,633 citations	159358 30 h-index	223531 46 g-index
109 all docs	109 docs citations	109 times ranked	3567 citing authors

#	Article	IF	Citations
1	Association of tea-drinking habits with the risk of non-Hodgkin lymphoma: a prospective cohort study among postmenopausal women. British Journal of Nutrition, 2023, 129, 1543-1551.	1.2	0
2	No Association Observed between Coffee Intake and Risk of Non-Hodgkin Lymphoma among Postmenopausal Women. Journal of the Academy of Nutrition and Dietetics, 2022, 122, 1725-1736.	0.4	1
3	Robust tests for combining p-values under arbitrary dependency structures. Scientific Reports, 2022, 12, 3158.	1.6	6
4	Optimal Tests for Combining p-Values. Applied Sciences (Switzerland), 2022, 12, 322.	1.3	4
5	Detecting methylation quantitative trait loci using a methylation random field method. Briefings in Bioinformatics, 2021, 22, .	3.2	2
6	CMAX3: A Robust Statistical Test for Genetic Association Accounting for Covariates. Genes, 2021, 12, 1723.	1.0	2
7	The association of depression stigma with barriers to seeking mental health care: a cross-sectional analysis. Journal of Mental Health, 2020, 29, 182-190.	1.0	28
8	Acute Time-Course Changes in CCL11, CCL2, and IL-10 Levels After Controlled Subconcussive Head Impacts: A Pilot Randomized Clinical Trial. Journal of Head Trauma Rehabilitation, 2020, 35, 308-316.	1.0	4
9	Association Between Proteomic Blood Biomarkers and DTI/NODDI Metrics in Adolescent Football Players: A Pilot Study. Frontiers in Neurology, 2020, 11, 581781.	1.1	11
10	Return to Learn: Academic Effects of Concussion in High School and College Student-Athletes. Frontiers in Pediatrics, 2020, 8, 57.	0.9	20
11	Neuro-Ophthalmologic Response to Repetitive Subconcussive Head Impacts. JAMA Ophthalmology, 2020, 138, 350.	1.4	30
12	A genetic association test through combining two independent tests. Genomics, 2019, 111, 1152-1159.	1.3	6
13	A novel gene-set association test based on variance-gamma distribution. Statistical Methods in Medical Research, 2019, 28, 2868-2875.	0.7	4
14	Association of Acute Increase in Plasma Neurofilament Light with Repetitive Subconcussive Head Impacts: A Pilot Randomized Control Trial. Journal of Neurotrauma, 2019, 36, 548-553.	1.7	51
15	Geneâ€based sequential burden association test. Statistics in Medicine, 2019, 38, 2353-2363.	0.8	13
16	Preliminary Evidence-Based Recommendations for Return to Learn: a novel pilot study tracking concussion recovery in college students. Neurology, 2019, 93, .	1.5	0
17	Clinicopathological risk factors for gastric cancer: a retrospective cohort study in China. BMJ Open, 2019, 9, e030639.	0.8	19
18	Preliminary evidence-based recommendations for return to learn: a novel pilot study tracking concussed college students. Concussion, 2019, 4, CNC63.	1.2	14

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19	Predictors of youth e-cigarette use susceptibility in a U.S. nationally representative sample. Addictive Behaviors, 2018, 82, 79-85.	1.7	77
20	Gene‑based genetic association test with adaptive optimal weights. Genetic Epidemiology, 2018, 42, 95-103.	0.6	10
21	Comparison of two methods in estimating standard error of the method of simulated moments estimators for generalized linear mixed models. Communications in Statistics Part B: Simulation and Computation, 2018, 47, 2886-2895.	0.6	0
22	The role of the folate pathway in pancreatic cancer risk. PLoS ONE, 2018, 13, e0193298.	1.1	22
23	Detecting associated single-nucleotide polymorphisms on the X chromosome in case control genome-wide association studies. Statistical Methods in Medical Research, 2017, 26, 567-582.	0.7	28
24	A nonparametric approach to detecting the difference of survival medians. Communications in Statistics Part B: Simulation and Computation, 2017, 46, 395-403.	0.6	3
25	An improved two-stage procedure to compare hazard curves. Journal of Statistical Computation and Simulation, 2017, 87, 1877-1886.	0.7	9
26	Comparative study on serum levels of macro and trace elements in schizophrenia based on supervised learning methods. Journal of Trace Elements in Medicine and Biology, 2017, 43, 202-208.	1.5	15
27	Serum levels of chemical elements in esophageal squamous cell carcinoma in Anyang, China: a case-control study based on machine learning methods. BMJ Open, 2017, 7, e015443.	0.8	9
28	A gene-based test of association through an orthogonal decomposition of genotype scores. Human Genetics, 2017, 136, 1385-1394.	1.8	8
29	Genetic association test based on principal component analysis. Statistical Applications in Genetics and Molecular Biology, 2017, 16, 189-198.	0.2	10
30	A Powerful Variant-Set Association Test Based on Chi-Square Distribution. Genetics, 2017, 207, 903-910.	1.2	15
31	Testing for gene-gene interaction in case-control GWAS. Statistics and Its Interface, 2017, 10, 267-277.	0.2	6
32	Comparison of Multiple Hazard Rate Functions. Biometrics, 2016, 72, 39-45.	0.8	15
33	Comparing survival curves based on medians. BMC Medical Research Methodology, 2016, 16, 33.	1.4	13
34	Testing for association in case-control genome-wide association studies with shared controls. Statistical Methods in Medical Research, 2016, 25, 954-967.	0.7	17
35	Goodness-of-fit test for meta-analysis. Scientific Reports, 2015, 5, 16983.	1.6	17
36	Bayesian composite quantile regression. Journal of Statistical Computation and Simulation, 2015, 85, 3744-3754.	0.7	15

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37	Exposing Image Tampering with the Same Quantization Matrix. , 2015, , 327-343.		0
38	Improved Approaches with Calibrated Neighboring Joint Density to Steganalysis and Seam-Carved Forgery Detection in JPEG Images. ACM Transactions on Intelligent Systems and Technology, 2015, 5, 1-30.	2.9	35
39	Does idiopathic restless legs syndrome delay onset and reduce severity of Parkinson's disease: a pilot study. International Journal of Neuroscience, 2015, 125, 526-530.	0.8	12
40	Inferences on correlation coefficients of bivariate log-normal distributions. Journal of Applied Statistics, 2015, 42, 603-613.	0.6	4
41	A Method to Detect AAC Audio Forgery. , 2015, , .		0
42	Misdiagnosis of Cerebellar Infarctions. Canadian Journal of Neurological Sciences, 2014, 41, 568-571.	0.3	15
43	On the optimally weighted z-test for combining probabilities from independent studies. Computational Statistics and Data Analysis, 2014, 70, 387-394.	0.7	31
44	A note on Cochran test for homogeneity in one-way ANOVA and meta-analysis. Statistical Papers, 2014, 55, 301-310.	0.7	8
45	Extension of Mood's median test for survival data. Statistics and Probability Letters, 2014, 95, 77-84.	0.4	9
46	Detecting differentially methylated loci for multiple treatments based on high-throughput methylation data. BMC Bioinformatics, 2014, 15, 142.	1.2	5
47	A new association test based on disease allele selection for case–control genome-wide association studies. BMC Genomics, 2014, 15, 358.	1.2	9
48	CTP infarct core may predict poor outcome in stroke patients treated with IV t-PA. Journal of the Neurological Sciences, 2014, 340, 165-169.	0.3	5
49	An improved robust association test for GWAS with multiple diseases. Statistics and Probability Letters, 2014, 91, 153-161.	0.4	12
50	Advances in translational bioinformatics facilitate revealing the landscape of complex disease mechanisms. BMC Bioinformatics, 2014, 15, I1.	1.2	7
51	Identification of genes and pathways involved in kidney renal clear cell carcinoma. BMC Bioinformatics, 2014, 15, S2.	1.2	45
52	A new statistical approach to combining p-values using gamma distribution and its application to genome-wide association study. BMC Bioinformatics, 2014, 15, S3.	1.2	46
53	The emerging genomics and systems biology research lead to systems genomics studies. BMC Genomics, 2014, 15, I1.	1.2	39
54	Age-adjusted nonparametric detection of differential DNA methylation with case--control designs. BMC Bioinformatics, 2013, 14, 86.	1.2	18

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55	Detecting differentially methylated loci for Illumina Array methylation data based on human ovarian cancer data. BMC Medical Genomics, 2013, 6, S9.	0.7	13
56	Assessment of gene order computing methods for Alzheimer's disease. BMC Medical Genomics, 2013, 6, S8.	0.7	6
57	Perioperative assessment of platelet function by Thromboelastograph® Platelet Mapping™ in cardiovascular patients undergoing non-cardiac surgery. Journal of Thrombosis and Thrombolysis, 2013, 35, 23-30.	1.0	34
58	Association tests through combining -values for case control genome-wide association studies. Statistics and Probability Letters, 2013, 83, 1854-1862.	0.4	17
59	Seafood Consumption and Blood Mercury Concentrations in Jamaican Children With and Without Autism Spectrum Disorders. Neurotoxicity Research, 2013, 23, 22-38.	1.3	59
60	Social capital and disaster preparedness among low income Mexican Americans in a disaster prone area. Social Science and Medicine, 2013, 83, 50-60.	1.8	136
61	An outcome analysis of endovascular versus open repair of blunt traumatic aortic injuries. Journal of Vascular Surgery, 2013, 57, 108-115.	0.6	99
62	Detection of JPEG double compression and identification of smartphone image source and post-capture manipulation. Applied Intelligence, 2013, 39, 705-726.	3.3	14
63	Intention to Comply With Mandatory Hurricane Evacuation Orders Among Persons Living Along a Coastal Area. Disaster Medicine and Public Health Preparedness, 2013, 7, 46-54.	0.7	31
64	Intention to Comply With Mandatory Hurricane Evacuation Orders Among Persons Living Along a Coastal Area—ERRATUM. Disaster Medicine and Public Health Preparedness, 2013, 7, 111-111.	0.7	2
65	A new statistical approach to detecting differentially methylated loci for case control Illumina array methylation data. Bioinformatics, 2012, 28, 1109-1113.	1.8	27
66	The Argatroban and Tissue-Type Plasminogen Activator Stroke Study. Stroke, 2012, 43, 770-775.	1.0	93
67	Pilot Study Comparing Total Intravenous Anesthesia to Inhalational Anesthesia in Endoscopic Sinus Surgery: Novel Approach of Blood Flow Quantification. Annals of Otology, Rhinology and Laryngology, 2012, 121, 725-732.	0.6	15
68	A Robust Method for Testing Association in Genome-Wide Association Studies. Human Heredity, 2012, 73, 26-34.	0.4	30
69	Model for End-Stage Liver Disease Score is Associated With increased Transfusion Requirements in Patients Undergoing Orthotopic Liver Transplant. American Journal of Clinical Pathology, 2012, 138, A132-A132.	0.4	0
70	Improved survival after hemostatic resuscitation. Journal of Trauma, 2012, 72, 313.	2.3	0
71	Maternal and Paternal Age are Jointly Associated with Childhood Autism in Jamaica. Journal of Autism and Developmental Disorders, 2012, 42, 1928-1938.	1.7	34
72	The role of drinking water sources, consumption of vegetables and seafood in relation to blood arsenic concentrations of Jamaican children with and without Autism Spectrum Disorders. Science of the Total Environment, 2012, 433, 362-370.	3.9	54

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73	Endovascular treatment of hemodialysis access pseudoaneurysms. Journal of Vascular Surgery, 2012, 55, 1058-1062.	0.6	45
74	Design and analysis of multiple diseases genome-wide association studies without controls. Gene, 2012, 510, 87-92.	1.0	16
75	Identification of Smartphone-Image Source and Manipulation. Lecture Notes in Computer Science, 2012, , 262-271.	1.0	13
76	Comments on 'Application of an adaptive design to a randomized phase II selection trial in gastric cancer: a report of the study design' by Satoshi Morita and Junichi Sakamoto. <i>Pharmaceutical Statistics</i>. Pharmaceutical Statistics, 2012, 11, 267-268.	0.7	3
77	A nonparametric test for equality of survival medians. Statistics in Medicine, 2012, 31, 844-854.	0.8	8
78	Perceptions of Social Support, Empowerment and Youth Risk Behaviors. Journal of Primary Prevention, 2012, 33, 33-46.	0.8	16
79	Safety and Tolerability of Lactobacillus reuteri DSM 17938 and Effects on Biomarkers in Healthy Adults: Results from a Randomized Masked Trial. PLoS ONE, 2012, 7, e43910.	1.1	44
80	Media Reporting Bias Affects Reported Sudden Death Rates. Journal of the American College of Cardiology, 2011, 58, 990-991.	1.2	0
81	SS16. Endovascular Treatment of Hemodialysis Access Pseudoaneurysms: A Single Institution Experience. Journal of Vascular Surgery, 2011, 53, 24S.	0.6	0
82	Is the weighted z-test the best method for combining probabilities from independent tests?. Journal of Evolutionary Biology, 2011, 24, 926-930.	0.8	55
83	Brief Report of a Low-Cost Street-Corner Methodology Used to Assess Inner-City Residents' Awareness and Knowledge about Asthma. Journal of Urban Health, 2011, 88, 156-163.	1.8	6
84	Statistical methods on detecting differentially expressed genes for RNA-seq data. BMC Systems Biology, 2011, 5, S1.	3.0	49
85	Gene selection and classification for cancer microarray data based on machine learning and similarity measures. BMC Genomics, 2011, 12, S1.	1.2	81
86	A gene selection method for GeneChip array data with small sample sizes. BMC Genomics, 2011, 12, S7.	1.2	6
87	Comments on 'Choosing an optimal method to combine <i>p</i>values' by Sungho Won, Nathan Morris, Qing Lu and Robert C. Elston, <i>Statistics in Medicine</i> 2009; 28:1537–1553. Statistics in Medicine, 2011, 30, 2959-2961.	0.8	7
88	A new association test based on Chi-square partition for case-control GWA studies. Genetic Epidemiology, 2011, 35, 658-663.	0.6	22
89	A JPEG-based statistically invisible steganography. , 2011, , .		4
90	Gender Differences in Tuberculosis Notification in Pakistan. American Journal of Tropical Medicine and Hygiene, 2011, 85, 514-517.	0.6	29

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91	A New Approach to Account for the Correlations among Single Nucleotide Polymorphisms in Genome-Wide Association Studies. Human Heredity, 2011, 72, 1-9.	0.4	20
92	Feature Mining and Pattern Recognition in Multimedia Forensicsâ€"Detection of JPEG Image Based Steganography, Double-Compression, Interpolation and WAV Audio Based Steganography. , 2011, , 561-604.		1
93	Identifying Differentially Expressed Genes based on probe level data for GeneChip arrays. International Journal of Computational Biology and Drug Design, 2010, 3, 237.	0.3	5
94	A Longitudinal Study to Identify Laboratory Predictors of Liver Disease Outcome in Alagille Syndrome. Journal of Pediatric Gastroenterology and Nutrition, 2010, 50, 526-530.	0.9	47
95	An improved approach to steganalysis of JPEG images. Information Sciences, 2010, 180, 1643-1655.	4.0	54
96	Serial Transcriptome Analysis and Cross-Species Integration Identifies <i>Centromere-Associated Protein E</i> as a Novel Neuroblastoma Target. Cancer Research, 2010, 70, 2749-2758.	0.4	45
97	Subcomplex Iİ» Specifically Controls Integrated Mitochondrial Functions in Caenorhabditis elegans. PLoS ONE, 2009, 4, e6607.	1.1	32
98	Feature Selection and Classification of MAQC-II Breast Cancer and Multiple Myeloma Microarray Gene Expression Data. PLoS ONE, 2009, 4, e8250.	1.1	45
99	A distribution-free convolution model for background correction of oligonucleotide microarray data. BMC Genomics, 2009, 10, S19.	1.2	13
100	Comparison of feature selection and classification for MALDI-MS data. BMC Genomics, 2009, 10, S3.	1.2	37
101	Insulin-degrading enzyme is exported via an unconventional protein secretion pathway. Molecular Neurodegeneration, 2009, 4, 4.	4.4	76
102	Independent component analysis of Alzheimer's DNA microarray gene expression data. Molecular Neurodegeneration, 2009, 4, 5.	4.4	72
103	Image complexity and feature mining for steganalysis of least significant bit matching steganography. Information Sciences, 2008, 178, 21-36.	4.0	74
104	Feature mining and pattern classification for steganalysis of LSB matching steganography in grayscale images. Pattern Recognition, 2008, 41, 56-66.	5.1	106
105	Supervised learning-based tagSNP selection for genome-wide disease classifications. BMC Genomics, 2008, 9, S6.	1.2	11
106	A distribution free summarization method for Affymetrix GeneChip(R) arrays. Bioinformatics, 2007, 23, 321-327.	1.8	89
107	Microarray Gene Expression Classification Based on Supervised Learning and Similarity Measures. , 2006, , .		1
108	Parameter Estimation for the Exponential-Normal Convolution Model for Background Correction of Affymetrix GeneChip Data. Statistical Applications in Genetics and Molecular Biology, 2006, 5, Article24.	0.2	31