

Zhongxue Chen

List of Publications by Year in descending order

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Version: 2024-02-01

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	Social capital and disaster preparedness among low income Mexican Americans in a disaster prone area. <i>Social Science and Medicine</i> , 2013, 83, 50-60.	1.8	136
2	Feature mining and pattern classification for steganalysis of LSB matching steganography in grayscale images. <i>Pattern Recognition</i> , 2008, 41, 56-66.	5.1	106
3	An outcome analysis of endovascular versus open repair of blunt traumatic aortic injuries. <i>Journal of Vascular Surgery</i> , 2013, 57, 108-115.	0.6	99
4	The Argatroban and Tissue-Type Plasminogen Activator Stroke Study. <i>Stroke</i> , 2012, 43, 770-775.	1.0	93
5	A distribution free summarization method for Affymetrix GeneChip(R) arrays. <i>Bioinformatics</i> , 2007, 23, 321-327.	1.8	89
6	Gene selection and classification for cancer microarray data based on machine learning and similarity measures. <i>BMC Genomics</i> , 2011, 12, S1.	1.2	81
7	Predictors of youth e-cigarette use susceptibility in a U.S. nationally representative sample. <i>Addictive Behaviors</i> , 2018, 82, 79-85.	1.7	77
8	Insulin-degrading enzyme is exported via an unconventional protein secretion pathway. <i>Molecular Neurodegeneration</i> , 2009, 4, 4.	4.4	76
9	Image complexity and feature mining for steganalysis of least significant bit matching steganography. <i>Information Sciences</i> , 2008, 178, 21-36.	4.0	74
10	Independent component analysis of Alzheimer's DNA microarray gene expression data. <i>Molecular Neurodegeneration</i> , 2009, 4, 5.	4.4	72
11	Seafood Consumption and Blood Mercury Concentrations in Jamaican Children With and Without Autism Spectrum Disorders. <i>Neurotoxicity Research</i> , 2013, 23, 22-38.	1.3	59
12	Is the weighted z-test the best method for combining probabilities from independent tests?. <i>Journal of Evolutionary Biology</i> , 2011, 24, 926-930.	0.8	55
13	An improved approach to steganalysis of JPEG images. <i>Information Sciences</i> , 2010, 180, 1643-1655.	4.0	54
14	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. <i>Science of the Total Environment</i> , 2012, 433, 362-370.	3.9	54
15	Association of Acute Increase in Plasma Neurofilament Light with Repetitive Subconcussive Head Impacts: A Pilot Randomized Control Trial. <i>Journal of Neurotrauma</i> , 2019, 36, 548-553.	1.7	51
16	Statistical methods on detecting differentially expressed genes for RNA-seq data. <i>BMC Systems Biology</i> , 2011, 5, S1.	3.0	49
17	A Longitudinal Study to Identify Laboratory Predictors of Liver Disease Outcome in Alagille Syndrome. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2010, 50, 526-530.	0.9	47
18	A new statistical approach to combining p-values using gamma distribution and its application to genome-wide association study. <i>BMC Bioinformatics</i> , 2014, 15, S3.	1.2	46

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19	Feature Selection and Classification of MAQC-II Breast Cancer and Multiple Myeloma Microarray Gene Expression Data. <i>PLoS ONE</i> , 2009, 4, e8250.	1.1	45
20	Serial Transcriptome Analysis and Cross-Species Integration Identifies <i>Centromere-Associated Protein E</i> as a Novel Neuroblastoma Target. <i>Cancer Research</i> , 2010, 70, 2749-2758.	0.4	45
21	Endovascular treatment of hemodialysis access pseudoaneurysms. <i>Journal of Vascular Surgery</i> , 2012, 55, 1058-1062.	0.6	45
22	Identification of genes and pathways involved in kidney renal clear cell carcinoma. <i>BMC Bioinformatics</i> , 2014, 15, S2.	1.2	45
23	Safety and Tolerability of <i>Lactobacillus reuteri</i> DSM 17938 and Effects on Biomarkers in Healthy Adults: Results from a Randomized Masked Trial. <i>PLoS ONE</i> , 2012, 7, e43910.	1.1	44
24	The emerging genomics and systems biology research lead to systems genomics studies. <i>BMC Genomics</i> , 2014, 15, 11.	1.2	39
25	Comparison of feature selection and classification for MALDI-MS data. <i>BMC Genomics</i> , 2009, 10, S3.	1.2	37
26	Improved Approaches with Calibrated Neighboring Joint Density to Steganalysis and Seam-Carved Forgery Detection in JPEG Images. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2015, 5, 1-30.	2.9	35
27	Maternal and Paternal Age are Jointly Associated with Childhood Autism in Jamaica. <i>Journal of Autism and Developmental Disorders</i> , 2012, 42, 1928-1938.	1.7	34
28	Perioperative assessment of platelet function by Thromboelastograph® Platelet Mapping, in cardiovascular patients undergoing non-cardiac surgery. <i>Journal of Thrombosis and Thrombolysis</i> , 2013, 35, 23-30.	1.0	34
29	Subcomplex I _B Specifically Controls Integrated Mitochondrial Functions in <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2009, 4, e6607.	1.1	32
30	Parameter Estimation for the Exponential-Normal Convolution Model for Background Correction of Affymetrix GeneChip Data. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2006, 5, Article24.	0.2	31
31	Intention to Comply With Mandatory Hurricane Evacuation Orders Among Persons Living Along a Coastal Area. <i>Disaster Medicine and Public Health Preparedness</i> , 2013, 7, 46-54.	0.7	31
32	On the optimally weighted χ^2 -test for combining probabilities from independent studies. <i>Computational Statistics and Data Analysis</i> , 2014, 70, 387-394.	0.7	31
33	A Robust Method for Testing Association in Genome-Wide Association Studies. <i>Human Heredity</i> , 2012, 73, 26-34.	0.4	30
34	Neuro-Ophthalmologic Response to Repetitive Subconcussive Head Impacts. <i>JAMA Ophthalmology</i> , 2020, 138, 350.	1.4	30
35	Gender Differences in Tuberculosis Notification in Pakistan. <i>American Journal of Tropical Medicine and Hygiene</i> , 2011, 85, 514-517.	0.6	29
36	Detecting associated single-nucleotide polymorphisms on the X chromosome in case control genome-wide association studies. <i>Statistical Methods in Medical Research</i> , 2017, 26, 567-582.	0.7	28

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37	The association of depression stigma with barriers to seeking mental health care: a cross-sectional analysis. <i>Journal of Mental Health</i> , 2020, 29, 182-190.	1.0	28
38	A new statistical approach to detecting differentially methylated loci for case control Illumina array methylation data. <i>Bioinformatics</i> , 2012, 28, 1109-1113.	1.8	27
39	A new association test based on Chi-square partition for case-control GWA studies. <i>Genetic Epidemiology</i> , 2011, 35, 658-663.	0.6	22
40	The role of the folate pathway in pancreatic cancer risk. <i>PLoS ONE</i> , 2018, 13, e0193298.	1.1	22
41	A New Approach to Account for the Correlations among Single Nucleotide Polymorphisms in Genome-Wide Association Studies. <i>Human Heredity</i> , 2011, 72, 1-9.	0.4	20
42	Return to Learn: Academic Effects of Concussion in High School and College Student-Athletes. <i>Frontiers in Pediatrics</i> , 2020, 8, 57.	0.9	20
43	Clinicopathological risk factors for gastric cancer: a retrospective cohort study in China. <i>BMJ Open</i> , 2019, 9, e030639.	0.8	19
44	Age-adjusted nonparametric detection of differential DNA methylation with case-control designs. <i>BMC Bioinformatics</i> , 2013, 14, 86.	1.2	18
45	Association tests through combining $-$ values for case control genome-wide association studies. <i>Statistics and Probability Letters</i> , 2013, 83, 1854-1862.	0.4	17
46	Goodness-of-fit test for meta-analysis. <i>Scientific Reports</i> , 2015, 5, 16983.	1.6	17
47	Testing for association in case-control genome-wide association studies with shared controls. <i>Statistical Methods in Medical Research</i> , 2016, 25, 954-967.	0.7	17
48	Design and analysis of multiple diseases genome-wide association studies without controls. <i>Gene</i> , 2012, 510, 87-92.	1.0	16
49	Perceptions of Social Support, Empowerment and Youth Risk Behaviors. <i>Journal of Primary Prevention</i> , 2012, 33, 33-46.	0.8	16
50	Pilot Study Comparing Total Intravenous Anesthesia to Inhalational Anesthesia in Endoscopic Sinus Surgery: Novel Approach of Blood Flow Quantification. <i>Annals of Otolaryngology, Rhinology and Laryngology</i> , 2012, 121, 725-732.	0.6	15
51	Misdiagnosis of Cerebellar Infarctions. <i>Canadian Journal of Neurological Sciences</i> , 2014, 41, 568-571.	0.3	15
52	Bayesian composite quantile regression. <i>Journal of Statistical Computation and Simulation</i> , 2015, 85, 3744-3754.	0.7	15
53	Comparison of Multiple Hazard Rate Functions. <i>Biometrics</i> , 2016, 72, 39-45.	0.8	15
54	Comparative study on serum levels of macro and trace elements in schizophrenia based on supervised learning methods. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017, 43, 202-208.	1.5	15

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55	A Powerful Variant-Set Association Test Based on Chi-Square Distribution. <i>Genetics</i> , 2017, 207, 903-910.	1.2	15
56	Detection of JPEG double compression and identification of smartphone image source and post-capture manipulation. <i>Applied Intelligence</i> , 2013, 39, 705-726.	3.3	14
57	Preliminary evidence-based recommendations for return to learn: a novel pilot study tracking concussed college students. <i>Concussion</i> , 2019, 4, CNC63.	1.2	14
58	A distribution-free convolution model for background correction of oligonucleotide microarray data. <i>BMC Genomics</i> , 2009, 10, S19.	1.2	13
59	Identification of Smartphone-Image Source and Manipulation. <i>Lecture Notes in Computer Science</i> , 2012, , 262-271.	1.0	13
60	Detecting differentially methylated loci for Illumina Array methylation data based on human ovarian cancer data. <i>BMC Medical Genomics</i> , 2013, 6, S9.	0.7	13
61	Comparing survival curves based on medians. <i>BMC Medical Research Methodology</i> , 2016, 16, 33.	1.4	13
62	Gene-based sequential burden association test. <i>Statistics in Medicine</i> , 2019, 38, 2353-2363.	0.8	13
63	An improved robust association test for GWAS with multiple diseases. <i>Statistics and Probability Letters</i> , 2014, 91, 153-161.	0.4	12
64	Does idiopathic restless legs syndrome delay onset and reduce severity of Parkinson's disease: a pilot study. <i>International Journal of Neuroscience</i> , 2015, 125, 526-530.	0.8	12
65	Supervised learning-based tagSNP selection for genome-wide disease classifications. <i>BMC Genomics</i> , 2008, 9, S6.	1.2	11
66	Association Between Proteomic Blood Biomarkers and DTI/NOODI Metrics in Adolescent Football Players: A Pilot Study. <i>Frontiers in Neurology</i> , 2020, 11, 581781.	1.1	11
67	Genetic association test based on principal component analysis. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2017, 16, 189-198.	0.2	10
68	Gene-based genetic association test with adaptive optimal weights. <i>Genetic Epidemiology</i> , 2018, 42, 95-103.	0.6	10
69	Extension of Mood's median test for survival data. <i>Statistics and Probability Letters</i> , 2014, 95, 77-84.	0.4	9
70	A new association test based on disease allele selection for case-control genome-wide association studies. <i>BMC Genomics</i> , 2014, 15, 358.	1.2	9
71	An improved two-stage procedure to compare hazard curves. <i>Journal of Statistical Computation and Simulation</i> , 2017, 87, 1877-1886.	0.7	9
72	Serum levels of chemical elements in esophageal squamous cell carcinoma in Anyang, China: a case-control study based on machine learning methods. <i>BMJ Open</i> , 2017, 7, e015443.	0.8	9

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73	A nonparametric test for equality of survival medians. <i>Statistics in Medicine</i> , 2012, 31, 844-854.	0.8	8
74	A note on Cochran test for homogeneity in one-way ANOVA and meta-analysis. <i>Statistical Papers</i> , 2014, 55, 301-310.	0.7	8
75	A gene-based test of association through an orthogonal decomposition of genotype scores. <i>Human Genetics</i> , 2017, 136, 1385-1394.	1.8	8
76	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(15):1537-1553. <i>Statistics in Medicine</i> , 2011, 30, 2959-2961.	0.8	7
77	Advances in translational bioinformatics facilitate revealing the landscape of complex disease mechanisms. <i>BMC Bioinformatics</i> , 2014, 15, 11.	1.2	7
78	Brief Report of a Low-Cost Street-Corner Methodology Used to Assess Inner-City Residents' Awareness and Knowledge about Asthma. <i>Journal of Urban Health</i> , 2011, 88, 156-163.	1.8	6
79	A gene selection method for GeneChip array data with small sample sizes. <i>BMC Genomics</i> , 2011, 12, S7.	1.2	6
80	Assessment of gene order computing methods for Alzheimer's disease. <i>BMC Medical Genomics</i> , 2013, 6, S8.	0.7	6
81	A genetic association test through combining two independent tests. <i>Genomics</i> , 2019, 111, 1152-1159.	1.3	6
82	Testing for gene-gene interaction in case-control GWAS. <i>Statistics and Its Interface</i> , 2017, 10, 267-277.	0.2	6
83	Robust tests for combining <i>p</i> -values under arbitrary dependency structures. <i>Scientific Reports</i> , 2022, 12, 3158.	1.6	6
84	Identifying Differentially Expressed Genes based on probe level data for GeneChip arrays. <i>International Journal of Computational Biology and Drug Design</i> , 2010, 3, 237.	0.3	5
85	Detecting differentially methylated loci for multiple treatments based on high-throughput methylation data. <i>BMC Bioinformatics</i> , 2014, 15, 142.	1.2	5
86	CTP infarct core may predict poor outcome in stroke patients treated with IV t-PA. <i>Journal of the Neurological Sciences</i> , 2014, 340, 165-169.	0.3	5
87	A JPEG-based statistically invisible steganography. , 2011, , .		4
88	Inferences on correlation coefficients of bivariate log-normal distributions. <i>Journal of Applied Statistics</i> , 2015, 42, 603-613.	0.6	4
89	A novel gene-set association test based on variance-gamma distribution. <i>Statistical Methods in Medical Research</i> , 2019, 28, 2868-2875.	0.7	4
90	Acute Time-Course Changes in CCL11, CCL2, and IL-10 Levels After Controlled Subconcussive Head Impacts: A Pilot Randomized Clinical Trial. <i>Journal of Head Trauma Rehabilitation</i> , 2020, 35, 308-316.	1.0	4

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91	Optimal Tests for Combining p-Values. Applied Sciences (Switzerland), 2022, 12, 322.	1.3	4
92	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. Pharmaceutical Statistics, 2012, 11, 267-268.	0.7	3
93	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
94	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
95	Detecting methylation quantitative trait loci using a methylation random field method. Briefings in Bioinformatics, 2021, 22, .	3.2	2
96	CMA3: A Robust Statistical Test for Genetic Association Accounting for Covariates. Genes, 2021, 12, 1723.	1.0	2
97	Microarray Gene Expression Classification Based on Supervised Learning and Similarity Measures. , 2006, , .		1
98	Feature Mining and Pattern Recognition in Multimedia Forensics"Detection of JPEG Image Based Steganography, Double-Compression, Interpolation and WAV Audio Based Steganography. , 2011, , 561-604.		1
99	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
100	Media Reporting Bias Affects Reported Sudden Death Rates. Journal of the American College of Cardiology, 2011, 58, 990-991.	1.2	0
101	SS16. Endovascular Treatment of Hemodialysis Access Pseudoaneurysms: A Single Institution Experience. Journal of Vascular Surgery, 2011, 53, 24S.	0.6	0
102	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
103	Improved survival after hemostatic resuscitation. Journal of Trauma, 2012, 72, 313.	2.3	0
104	Exposing Image Tampering with the Same Quantization Matrix. , 2015, , 327-343.		0
105	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
106	Preliminary Evidence-Based Recommendations for Return to Learn: a novel pilot study tracking concussion recovery in college students. Neurology, 2019, 93, .	1.5	0
107	A Method to Detect AAC Audio Forgery. , 2015, , .		0
108	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