

Tiejun Tong

List of Publications by Year in descending order

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85
papers

8,520
citations

586496

16
h-index

78623

77
g-index

86
all docs

86
docs citations

86
times ranked

10449
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating the sample mean and standard deviation from the sample size, median, range and/or interquartile range. <i>BMC Medical Research Methodology</i> , 2014, 14, 135.	1.4	5,713
2	Optimally estimating the sample mean from the sample size, median, mid-range, and/or mid-quartile range. <i>Statistical Methods in Medical Research</i> , 2018, 27, 1785-1805.	0.7	1,687
3	Optimally estimating the sample standard deviation from the five-number summary. <i>Research Synthesis Methods</i> , 2020, 11, 641-654.	4.2	243
4	Optimal Shrinkage Estimation of Variances With Applications to Microarray Data Analysis. <i>Journal of the American Statistical Association</i> , 2007, 102, 113-122.	1.8	55
5	Gene Selection Using Iterative Feature Elimination Random Forests for Survival Outcomes. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2012, 9, 1422-1431.	1.9	54
6	SIMEX estimation for single-index model with covariate measurement error. <i>ASTA Advances in Statistical Analysis</i> , 2019, 103, 137-161.	0.4	50
7	Shrinkage-based Diagonal Discriminant Analysis and Its Applications in High-Dimensional Data. <i>Biometrics</i> , 2009, 65, 1021-1029.	0.8	48
8	Estimating residual variance in nonparametric regression using least squares. <i>Biometrika</i> , 2005, 92, 821-830.	1.3	44
9	Practical guidelines for assessing power and false discovery rate for a fixed sample size in microarray experiments. <i>Statistics in Medicine</i> , 2008, 27, 1960-1972.	0.8	40
10	NBLDA: negative binomial linear discriminant analysis for RNA-Seq data. <i>BMC Bioinformatics</i> , 2016, 17, 369.	1.2	33
11	Lipidomic-based investigation into the regulatory effect of Schisandrin B on palmitic acid level in non-alcoholic steatotic livers. <i>Scientific Reports</i> , 2015, 5, 9114.	1.6	31
12	A survey of statistical software for analysing RNA-seq data. <i>Human Genomics</i> , 2010, 5, 56.	1.4	24
13	A statistical normalization method and differential expression analysis for RNA-seq data between different species. <i>BMC Bioinformatics</i> , 2019, 20, 163.	1.2	24
14	Shrinkage-based diagonal Hotelling's tests for high-dimensional small sample size data. <i>Journal of Multivariate Analysis</i> , 2016, 143, 127-142.	0.5	22
15	Bias-Corrected Diagonal Discriminant Rules for High-Dimensional Classification. <i>Biometrics</i> , 2010, 66, 1096-1106.	0.8	20
16	A short survey of computational analysis methods in analysing ChIP-seq data. <i>Human Genomics</i> , 2011, 5, 117.	1.4	19
17	Estimation of variances and covariances for high-dimensional data: a selective review. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2014, 6, 255-264.	2.1	19
18	Optimal variance estimation without estimating the mean function. <i>Bernoulli</i> , 2013, 19, .	0.7	18

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19	Learning to improve medical decision making from imbalanced data without a priori cost. <i>BMC Medical Informatics and Decision Making</i> , 2014, 14, 111.	1.5	17
20	Simultaneous confidence band for nonparametric fixed effects panel data models. <i>Economics Letters</i> , 2013, 119, 229-232.	0.9	16
21	Inferring Epidemic Network Topology from Surveillance Data. <i>PLoS ONE</i> , 2014, 9, e100661.	1.1	15
22	Profile forward regression screening for ultra-high dimensional semiparametric varying coefficient partially linear models. <i>Journal of Multivariate Analysis</i> , 2017, 155, 133-150.	0.5	15
23	Smoothing Spline Estimation of Variance Functions. <i>Journal of Computational and Graphical Statistics</i> , 2007, 16, 312-329.	0.9	14
24	Improved mean estimation and its application to diagonal discriminant analysis. <i>Bioinformatics</i> , 2012, 28, 531-537.	1.8	13
25	Shrinkage estimation of large dimensional precision matrix using random matrix theory. <i>Statistica Sinica</i> , 2015, , .	0.2	13
26	Corrected empirical likelihood for a class of generalized linear measurement error models. <i>Science China Mathematics</i> , 2015, 58, 1523-1536.	0.8	13
27	Pathway-Based Single-Cell RNA-Seq Classification, Clustering, and Construction of Gene-Gene Interactions Networks Using Random Forests. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 1814-1822.	3.9	13
28	Considering dependence among genes and markers for false discovery control in eQTL mapping. <i>Bioinformatics</i> , 2008, 24, 2015-2022.	1.8	12
29	Difference-based variance estimation in nonparametric regression with repeated measurement data. <i>Journal of Statistical Planning and Inference</i> , 2015, 163, 1-20.	0.4	12
30	Classifying next-generation sequencing data using a zero-inflated Poisson model. <i>Bioinformatics</i> , 2018, 34, 1329-1335.	1.8	12
31	Diagonal Likelihood Ratio Test for Equality of Mean Vectors in High-Dimensional Data. <i>Biometrics</i> , 2019, 75, 256-267.	0.8	11
32	A note on a two-sample test with one variance unknown. <i>Statistical Methodology</i> , 2011, 8, 528-534.	0.5	10
33	Non-parametric shrinkage mean estimation for quadratic loss functions with unknown covariance matrices. <i>Journal of Multivariate Analysis</i> , 2014, 125, 222-232.	0.5	10
34	Bias and variance reduction in estimating the proportion of true-null hypotheses. <i>Biostatistics</i> , 2015, 16, 189-204.	0.9	9
35	Harms and benefits of adoptive immunotherapy for postoperative hepatocellular carcinoma: an updated review. <i>Oncotarget</i> , 2017, 8, 18537-18549.	0.8	9
36	Estimation of extreme conditional quantiles through an extrapolation of intermediate regression quantiles. <i>Statistics and Probability Letters</i> , 2016, 113, 30-37.	0.4	8

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37	TFisher: A powerful truncation and weighting procedure for combining p -values. <i>Annals of Applied Statistics</i> , 2020, 14, .	0.5	8
38	Relative Errors of Difference-Based Variance Estimators in Nonparametric Regression. <i>Communications in Statistics - Theory and Methods</i> , 2008, 37, 2890-2902.	0.6	7
39	Estimating the proportion of true null hypotheses using the pattern of observed p -values. <i>Journal of Applied Statistics</i> , 2013, 40, 1949-1964.	0.6	7
40	GD-RDA: A New Regularized Discriminant Analysis for High-Dimensional Data. <i>Journal of Computational Biology</i> , 2017, 24, 1099-1111.	0.8	7
41	Simultaneous confidence bands and hypothesis testing for single-index models. <i>Statistica Sinica</i> , 2014, , .	0.2	7
42	Jamesâ€“Stein type estimators of variances. <i>Journal of Multivariate Analysis</i> , 2012, 107, 232-243.	0.5	6
43	Estimation of high conditional quantiles using the Hill estimator of the tail index. <i>Journal of Statistical Planning and Inference</i> , 2016, 176, 64-77.	0.4	6
44	Is radioembolization or sorafenib the best option for patients with hepatocellular carcinoma and portal vein invasion?. <i>Liver International</i> , 2016, 36, 1715-1715.	1.9	6
45	Seamless Phase IIa/IIb and enhanced dose-finding adaptive design. <i>Journal of Biopharmaceutical Statistics</i> , 2016, 26, 912-923.	0.4	6
46	The association of depression following percutaneous coronary intervention with adverse cardiovascular events. <i>Medicine (United States)</i> , 2019, 98, e13952.	0.4	6
47	Estimating the mean and variance from the five-number summary of a log-normal distribution. <i>Statistics and Its Interface</i> , 2020, 13, 519-531.	0.2	6
48	Weight reduction and cardiovascular benefits. <i>Medicine (United States)</i> , 2018, 97, e13246.	0.4	5
49	Semiparametric regression analysis of multivariate doubly censored data. <i>Statistical Modelling</i> , 2020, 20, 502-526.	0.5	5
50	scDLC: a deep learning framework to classify large sample single-cell RNA-seq data. <i>BMC Genomics</i> , 2022, 23, .	1.2	5
51	Analysing breast cancer microarrays from African Americans using shrinkage-based discriminant analysis. <i>Human Genomics</i> , 2010, 5, 5.	1.4	4
52	Block-diagonal discriminant analysis and its bias-corrected rules. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2013, 12, 347-59.	0.2	4
53	On the Choice of Difference Sequence in a Unified Framework for Variance Estimation in Nonparametric Regression. <i>Statistical Science</i> , 2017, 32, .	1.6	4
54	Efficacy and safety of Si-Jun-Zi-Tang-based therapies for functional (non-ulcer) dyspepsia: a meta-analysis of randomized controlled trials. <i>BMC Complementary Medicine and Therapies</i> , 2021, 21, 11.	1.2	4

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55	Meta-analysis with zero-event studies: a comparative study with application to COVID-19 data. <i>Military Medical Research</i> , 2021, 8, 41.	1.9	4
56	Testing for heteroskedasticity in two-way fixed effects panel data models. <i>Journal of Applied Statistics</i> , 2020, 47, 91-116.	0.6	3
57	Variable selection for functional linear models with strong heredity constraint. <i>Annals of the Institute of Statistical Mathematics</i> , 2022, 74, 321-339.	0.5	3
58	Estimating the reference interval from a fixed effects meta-analysis. <i>Research Synthesis Methods</i> , 2021, 12, 630-640.	4.2	3
59	Varying Coefficient Panel Data Model with Interactive Fixed Effects. <i>Statistica Sinica</i> , 2021, , .	0.2	3
60	Optimal difference-based variance estimation in heteroscedastic nonparametric regression. <i>Statistica Sinica</i> , 2015, , .	0.2	3
61	Almost Sure Convergence of the General Jamison Weighted Sum of $\{user1\{B\}\}$ -Valued Random Variables. <i>Acta Mathematica Sinica, English Series</i> , 2004, 20, 181-192.	0.2	2
62	Conditional Type I Error Rate for Superiority Test Conditioned on Establishment of Noninferiority in Clinical Trials. <i>Drug Information Journal</i> , 2011, 45, 331-336.	0.5	2
63	Variance estimation in nonparametric regression with jump discontinuities. <i>Journal of Applied Statistics</i> , 2014, 41, 530-545.	0.6	2
64	A Comparison of Methods for Estimating the Determinant of High-Dimensional Covariance Matrix. <i>International Journal of Biostatistics</i> , 2017, 13, .	0.4	2
65	Sequential profile Lasso for ultra-high-dimensional partially linear models. <i>Statistical Theory and Related Fields</i> , 2017, 1, 234-245.	0.2	2
66	Longitudinal study of esophageal mucosal damage after esophagectomy and gastric interposition: relationship between reflux-related mucosal injury and Notch signaling. <i>Journal of Thoracic Disease</i> , 2017, 9, 5249-5260.	0.6	2
67	Equivalence of two least-squares estimators for indirect effects. <i>Current Psychology</i> , 2023, 42, 7364-7375.	1.7	2
68	Meta-Analyzing Multiple Omics Data With Robust Variable Selection. <i>Frontiers in Genetics</i> , 2021, 12, 656826.	1.1	2
69	Direct local linear estimation for Sharpe ratio function. <i>Canadian Journal of Statistics</i> , 0, , .	0.6	2
70	Model selection between the fixed-effects model and the random-effects model in meta-analysis. <i>Statistics and Its Interface</i> , 2020, 13, 501-510.	0.2	2
71	Hypothesis testing for normal distributions: a unified framework and new developments. <i>Statistics and Its Interface</i> , 2020, 13, 167-179.	0.2	2
72	Comparing multiple treatments to both positive and negative controls. <i>Journal of Statistical Planning and Inference</i> , 2010, 140, 180-188.	0.4	1

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73	A Least Squares Method for Variance Estimation in Heteroscedastic Nonparametric Regression. Journal of Applied Mathematics, 2014, 2014, 1-14.	0.4	1
74	Tail Probability Ratios of Normal and Student's t Distributions. Communications in Statistics - Theory and Methods, 2014, 43, 3797-3811.	0.6	1
75	Nonparametric Estimation of Extreme Conditional Quantiles with Functional Covariate. Acta Mathematica Sinica, English Series, 2018, 34, 1589-1610.	0.2	1
76	A shrinkage approach to joint estimation of multiple covariance matrices. Metrika, 2021, 84, 339-374.	0.5	1
77	Robust estimation of nonparametric function via addition sequence. Journal of Statistical Planning and Inference, 2021, 211, 423-438.	0.4	1
78	Discriminant Analysis and Normalization Methods for Next-Generation Sequencing Data. ICSA Book Series in Statistics, 2018, , 365-384.	0.0	1
79	Optimally estimating the sample mean from the sample size, median, mid-range, and/or mid-quartile range. , 0, .		1
80	Extremal linear quantile regression with Weibull-type tails. Statistica Sinica, 2020, , .	0.2	1
81	A rank-based high-dimensional test for equality of mean vectors. Computational Statistics and Data Analysis, 2022, , 107495.	0.7	1
82	Sample Size Calculation for Bioequivalence Studies Assessing Drug Effect and Food Effect at the Same Time With a 3-Treatment Williams Design. Therapeutic Innovation and Regulatory Science, 2013, 47, 242-247.	0.8	0
83	Optimal difference-based estimation for partially linear models. Computational Statistics, 2018, 33, 863-885.	0.8	0
84	Testing discontinuities in nonparametric regression. Journal of Applied Statistics, 2018, 45, 450-473.	0.6	0
85	Development of a Method for Quantitative Evaluation of Facial Swelling in a Rat Model of Cerebral Ischemia by Facial Image Processing. Frontiers in Medicine, 2022, 9, 737662.	1.2	0