Tiejun Tong

List of Publications by Year
in descending order

85 papers	8,520 citations	516710 16 h-index	66911 78 g-index
86 all docs	86 docs citations	86 times ranked	9954 citing authors

#	Article	IF	Citations
1	Equivalence of two least-squares estimators for indirect effects. Current Psychology, 2023, 42, 7364-7375.	2.8	2
2	Variable selection for functional linear models with strong heredity constraint. Annals of the Institute of Statistical Mathematics, 2022, 74, 321-339.	0.8	3
3	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.	2.6	0
4	A rank-based high-dimensional test for equality of mean vectors. Computational Statistics and Data Analysis, 2022, , 107495.	1.2	1
5	scDLC: a deep learning framework to classify large sample single-cell RNA-seq data. BMC Genomics, 2022, 23, .	2.8	5
6	A shrinkage approach to joint estimation of multiple covariance matrices. Metrika, 2021, 84, 339-374.	0.8	1
7	Robust estimation of nonparametric function via addition sequence. Journal of Statistical Planning and Inference, 2021, 211, 423-438.	0.6	1
8	Efficacy and safety of Si-Jun-Zi-Tang-based therapies for functional (non-ulcer) dyspepsia: a meta-analysis of randomized controlled trials. BMC Complementary Medicine and Therapies, 2021, 21, 11.	2.7	4
9	Estimating the reference interval from a fixed effects <scp>metaâ€analysis</scp>. Research Synthesis Methods, 2021, 12, 630-640.	8.7	3
10	Meta-Analyzing Multiple Omics Data With Robust Variable Selection. Frontiers in Genetics, 2021, 12, 656826.	2.3	2
11	Meta-analysis with zero-event studies: a comparative study with application to COVID-19 data. Military Medical Research, 2021, 8, 41.	3.4	4
12	Varying Coefficient Panel Data Model with Interactive Fixed Effects. Statistica Sinica, 2021, , .	0.3	3
13	Testing for heteroskedasticity in two-way fixed effects panel data models. Journal of Applied Statistics, 2020, 47, 91-116.	1.3	3
14	Pathway-Based Single-Cell RNA-Seq Classification, Clustering, and Construction of Gene-Gene Interactions Networks Using Random Forests. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 1814-1822.	6.3	13
15	Semiparametric regression analysis of multivariate doubly censored data. Statistical Modelling, 2020, 20, 502-526.	1.1	5
16	Optimally estimating the sample standard deviation from the fiveâ€number summary. Research Synthesis Methods, 2020, 11, 641-654.	8.7	243
17	TFisher: A powerful truncation and weighting procedure for combining p-values. Annals of Applied Statistics, 2020, 14, .	1.1	8
18	Model selection between the fixed-effects model and the random-effects model in meta-analysis. Statistics and Its Interface, 2020, 13, 501-510.	0.3	2

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19	Estimating the mean and variance from the five-number summary of a log-normal distribution. Statistics and Its Interface, 2020, 13, 519-531.	0.3	6
20	Extremal linear quantile regression with Weibull-type tails. Statistica Sinica, 2020, , .	0.3	1
21	Hypothesis testing for normal distributions: a unified framework and new developments. Statistics and Its Interface, 2020, 13, 167-179.	0.3	2
22	SIMEX estimation for single-index model with covariate measurement error. AStA Advances in Statistical Analysis, 2019, 103, 137-161.	0.9	50
23	The association of depression following percutanous coronary intervention with adverse cardiovascular events. Medicine (United States), 2019, 98, e13952.	1.0	6
24	A statistical normalization method and differential expression analysis for RNA-seq data between different species. BMC Bioinformatics, 2019, 20, 163.	2.6	24
25	Diagonal Likelihood Ratio Test for Equality of Mean Vectors in High-Dimensional Data. Biometrics, 2019, 75, 256-267.	1.4	11
26	Classifying next-generation sequencing data using a zero-inflated Poisson model. Bioinformatics, 2018, 34, 1329-1335.	4.1	12
27	Optimal difference-based estimation for partially linear models. Computational Statistics, 2018, 33, 863-885.	1.5	0
28	Optimally estimating the sample mean from the sample size, median, mid-range, and/or mid-quartile range. Statistical Methods in Medical Research, 2018, 27, 1785-1805.	1.5	1,687
29	Testing discontinuities in nonparametric regression. Journal of Applied Statistics, 2018, 45, 450-473.	1.3	0
30	Weight reduction and cardiovascular benefits. Medicine (United States), 2018, 97, e13246.	1.0	5
31	Nonparametric Estimation of Extreme Conditional Quantiles with Functional Covariate. Acta Mathematica Sinica, English Series, 2018, 34, 1589-1610.	0.6	1
32	Discriminant Analysis and Normalization Methods for Next-Generation Sequencing Data. ICSA Book Series in Statistics, 2018, , 365-384.	0.2	1
33	GD-RDA: A New Regularized Discriminant Analysis for High-Dimensional Data. Journal of Computational Biology, 2017, 24, 1099-1111.	1.6	7
34	Profile forward regression screening for ultra-high dimensional semiparametric varying coefficient partially linear models. Journal of Multivariate Analysis, 2017, 155, 133-150.	1.0	15
35	On the Choice of Difference Sequence in a Unified Framework for Variance Estimation in Nonparametric Regression. Statistical Science, 2017, 32, .	2.8	4
36	A Comparison of Methods for Estimating the Determinant of High-Dimensional Covariance Matrix. International Journal of Biostatistics, 2017, 13, .	0.7	2

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37	Sequential profile Lasso for ultra-high-dimensional partially linear models. Statistical Theory and Related Fields, 2017, 1, 234-245.	0.4	2
38	Harms and benefits of adoptive immunotherapy for postoperative hepatocellular carcinoma: an updated review. Oncotarget, 2017, 8, 18537-18549.	1.8	9
39	Longitudinal study of esophageal mucosal damage after esophagectomy and gastric interposition: relationship between reflux-related mucosal injury and Notch signaling. Journal of Thoracic Disease, 2017, 9, 5249-5260.	1.4	2
40	NBLDA: negative binomial linear discriminant analysis for RNA-Seq data. BMC Bioinformatics, 2016, 17, 369.	2.6	33
41	Estimation of high conditional quantiles using the Hill estimator of the tail index. Journal of Statistical Planning and Inference, 2016, 176, 64-77.	0.6	6
42	Is radioembolization or sorafenib the best option for patients with hepatocellular carcinoma and portal vein invasion?. Liver International, 2016, 36, 1715-1715.	3.9	6
43	Estimation of extreme conditional quantiles through an extrapolation of intermediate regression quantiles. Statistics and Probability Letters, 2016, 113, 30-37.	0.7	8
44	Seamless Phase IIa/IIb and enhanced dose-finding adaptive design. Journal of Biopharmaceutical Statistics, 2016, 26, 912-923.	0.8	6
45	Shrinkage-based diagonal Hotellingâ€™s tests for high-dimensional small sample size data. Journal of Multivariate Analysis, 2016, 143, 127-142.	1.0	22
46	Lipidomic-based investigation into the regulatory effect of Schisandrin B on palmitic acid level in non-alcoholic steatotic livers. Scientific Reports, 2015, 5, 9114.	3.3	31
47	Bias and variance reduction in estimating the proportion of true-null hypotheses. Biostatistics, 2015, 16, 189-204.	1.5	9
48	Difference-based variance estimation in nonparametric regression with repeated measurement data. Journal of Statistical Planning and Inference, 2015, 163, 1-20.	0.6	12
49	Shrinkage estimation of large dimensional precision matrix using random matrix theory. Statistica Sinica, 2015, , .	0.3	13
50	Corrected empirical likelihood for a class of generalized linear measurement error models. Science China Mathematics, 2015, 58, 1523-1536.	1.7	13
51	Optimal difference-based variance estimation in heteroscedastic nonparametric regression. Statistica Sinica, 2015, , .	0.3	3
52	Inferring Epidemic Network Topology from Surveillance Data. PLoS ONE, 2014, 9, e100661.	2.5	15
53	Variance estimation in nonparametric regression with jump discontinuities. Journal of Applied Statistics, 2014, 41, 530-545.	1.3	2
54	Estimation of variances and covariances for highâ€dimensional data: a selective review. Wiley Interdisciplinary Reviews: Computational Statistics, 2014, 6, 255-264.	3.9	19

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55	A Least Squares Method for Variance Estimation in Heteroscedastic Nonparametric Regression. Journal of Applied Mathematics, 2014, 2014, 1-14.	0.9	1
56	Learning to improve medical decision making from imbalanced data without a priori cost. BMC Medical Informatics and Decision Making, 2014, 14, 111.	3.0	17
57	Estimating the sample mean and standard deviation from the sample size, median, range and/or interquartile range. BMC Medical Research Methodology, 2014, 14, 135.	3.1	5,713
58	Tail Probability Ratios of Normal and Studentâ€™stDistributions. Communications in Statistics - Theory and Methods, 2014, 43, 3797-3811.	1.0	1
59	Non-parametric shrinkage mean estimation for quadratic loss functions with unknown covariance matrices. Journal of Multivariate Analysis, 2014, 125, 222-232.	1.0	10
60	Simultaneous confidence bands and hypothesis testing for single-index models. Statistica Sinica, 2014, , .	0.3	7
61	Estimating the proportion of true null hypotheses using the pattern of observedp-values. Journal of Applied Statistics, 2013, 40, 1949-1964.	1.3	7
62	Simultaneous confidence band for nonparametric fixed effects panel data models. Economics Letters, 2013, 119, 229-232.	1.9	16
63	Optimal variance estimation without estimating the mean function. Bernoulli, 2013, 19, .	1.3	18
64	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.	1.6	0
65	Block-diagonal discriminant analysis and its bias-corrected rules. Statistical Applications in Genetics and Molecular Biology, 2013, 12, 347-59.	0.6	4
66	Improved mean estimation and its application to diagonal discriminant analysis. Bioinformatics, 2012, 28, 531-537.	4.1	13
67	Gene Selection Using Iterative Feature Elimination Random Forests for Survival Outcomes. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2012, 9, 1422-1431.	3.0	54
68	Jamesâ€"Stein type estimators of variances. Journal of Multivariate Analysis, 2012, 107, 232-243.	1.0	6
69	A short survey of computational analysis methods in analysing ChIP-seq data. Human Genomics, 2011, 5, 117.	2.9	19
70	A note on a two-sample test with one variance unknown. Statistical Methodology, 2011, 8, 528-534.	0.5	10
71	Conditional Type I Error Rate for Superiority Test Conditioned on Establishment of Noninferiority in Clinical Trials. Drug Information Journal, 2011, 45, 331-336.	0.5	2
72	A survey of statistical software for analysing RNA-seq data. Human Genomics, 2010, 5, 56.	2.9	24

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73	Analysing breast cancer microarrays from African Americans using shrinkage-based discriminant analysis. Human Genomics, 2010, 5, 5.	2.9	4
74	Comparing multiple treatments to both positive and negative controls. Journal of Statistical Planning and Inference, 2010, 140, 180-188.	0.6	1
75	Biasâ€Corrected Diagonal Discriminant Rules for Highâ€Dimensional Classification. Biometrics, 2010, 66, 1096-1106.	1.4	20
76	Shrinkageâ€based Diagonal Discriminant Analysis and Its Applications in Highâ€Dimensional Data. Biometrics, 2009, 65, 1021-1029.	1.4	48
77	Practical guidelines for assessing power and false discovery rate for a fixed sample size in microarray experiments. Statistics in Medicine, 2008, 27, 1960-1972.	1.6	40
78	Relative Errors of Difference-Based Variance Estimators in Nonparametric Regression. Communications in Statistics - Theory and Methods, 2008, 37, 2890-2902.	1.0	7
79	Considering dependence among genes and markers for false discovery control in eQTL mapping. Bioinformatics, 2008, 24, 2015-2022.	4.1	12
80	Smoothing Spline Estimation of Variance Functions. Journal of Computational and Graphical Statistics, 2007, 16, 312-329.	1.7	14
81	Optimal Shrinkage Estimation of Variances With Applications to Microarray Data Analysis. Journal of the American Statistical Association, 2007, 102, 113-122.	3.1	55
82	Estimating residual variance in nonparametric regression using least squares. Biometrika, 2005, 92, 821-830.	2.4	44
83	Almost Sure Convergence of the General Jamison Weighted Sum of $$ {user1{B}} $$ -Valued Random Variables. Acta Mathematica Sinica, English Series, 2004, 20, 181-192.	0.6	2
84	Direct local linear estimation for Sharpe ratio function. Canadian Journal of Statistics, 0, , .	0.9	2
85	Optimally estimating the sample mean from the sample size, median, mid-range, and/or mid-quartile range. , 0, .		1