

Weidong Liu

List of Publications by Year in descending order

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48
papers

2,383
citations

361413

20
h-index

223800

46
g-index

49
all docs

49
docs citations

49
times ranked

1440
citing authors

#	ARTICLE	IF	CITATIONS
1	A Constrained ℓ_1 Minimization Approach to Sparse Precision Matrix Estimation. Journal of the American Statistical Association, 2011, 106, 594-607.	3.1	594
2	Adaptive Thresholding for Sparse Covariance Matrix Estimation. Journal of the American Statistical Association, 2011, 106, 672-684.	3.1	365
3	A Direct Estimation Approach to Sparse Linear Discriminant Analysis. Journal of the American Statistical Association, 2011, 106, 1566-1577.	3.1	178
4	Two-Sample Covariance Matrix Testing and Support Recovery in High-Dimensional and Sparse Settings. Journal of the American Statistical Association, 2013, 108, 265-277.	3.1	144
5	Two-Sample Test of High Dimensional Means Under Dependence. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2014, 76, 349-372.	2.2	137
6	Gaussian graphical model estimation with false discovery rate control. Annals of Statistics, 2013, 41, .	2.6	104
7	Estimating sparse precision matrix: Optimal rates of convergence and adaptive estimation. Annals of Statistics, 2016, 44, .	2.6	90
8	ASYMPTOTICS OF SPECTRAL DENSITY ESTIMATES. Econometric Theory, 2010, 26, 1218-1245.	0.7	75
9	Covariate-adjusted precision matrix estimation with an application in genetical genomics. Biometrika, 2013, 100, 139-156.	2.4	74
10	Quantile regression under memory constraint. Annals of Statistics, 2019, 47, .	2.6	74
11	Komlós's Majorizing dy approximation under dependence. Annals of Probability, 2014, 42, .	1.8	54
12	Precise asymptotics for a new kind of complete moment convergence. Statistics and Probability Letters, 2006, 76, 1787-1799.	0.7	44
13	Fast and adaptive sparse precision matrix estimation in high dimensions. Journal of Multivariate Analysis, 2015, 135, 153-162.	1.0	38
14	Large-Scale Multiple Testing of Correlations. Journal of the American Statistical Association, 2016, 111, 229-240.	3.1	38
15	Phase transition and regularized bootstrap in large-scale t -tests with false discovery rate control. Annals of Statistics, 2014, 42, .	2.6	35
16	Joint estimation of multiple high-dimensional precision matrices. Statistica Sinica, 2016, 26, 445-464.	0.3	34
17	Strong approximation for a class of stationary processes. Stochastic Processes and Their Applications, 2009, 119, 249-280.	0.9	32
18	Simultaneous nonparametric inference of time series. Annals of Statistics, 2010, 38, .	2.6	29

#	ARTICLE	IF	CITATIONS
19	Phenome-wide Association Study of Autoantibodies to Citrullinated and Noncitrullinated Epitopes in Rheumatoid Arthritis. <i>Arthritis and Rheumatology</i> , 2017, 69, 742-749.	5.6	26
20	Necessary and sufficient conditions for the asymptotic distribution of the largest entry of a sample correlation matrix. <i>Probability Theory and Related Fields</i> , 2010, 148, 5-35.	1.8	24
21	Probability and moment inequalities under dependence. <i>Statistica Sinica</i> , 2013, , .	0.3	18
22	Structural similarity and difference testing on multiple sparse Gaussian graphical models. <i>Annals of Statistics</i> , 2017, 45, .	2.6	18
23	Cramér-type moderate deviation for the maximum of the periodogram with application to simultaneous tests in gene expression time series. <i>Annals of Statistics</i> , 2010, 38, .	2.6	17
24	On maxima of periodograms of stationary processes. <i>Annals of Statistics</i> , 2009, 37, .	2.6	17
25	A Cramér moderate deviation theorem for Hotelling's T^2 -statistic with applications to global tests. <i>Annals of Statistics</i> , 2013, 41, .	2.6	15
26	On non-stationary threshold autoregressive models. <i>Bernoulli</i> , 2011, 17, .	1.3	14
27	Spectral analysis of high-dimensional time series. <i>Electronic Journal of Statistics</i> , 2019, 13, .	0.7	13
28	A review of distributed statistical inference. <i>Statistical Theory and Related Fields</i> , 2022, 6, 89-99.	0.4	10
29	Self-normalized Cramér type moderate deviations for the maximum of sums. <i>Bernoulli</i> , 2013, 19, .	1.3	9
30	First-Order Newton-Type Estimator for Distributed Estimation and Inference. <i>Journal of the American Statistical Association</i> , 2022, 117, 1858-1874.	3.1	9
31	A LIL for independent non-identically distributed random variables in Banach space and its applications. <i>Science in China Series A: Mathematics</i> , 2008, 51, 219-232.	0.5	8
32	Asymptotics for Self-Normalized Random Products of Sums for Mixing Sequences. <i>Stochastic Analysis and Applications</i> , 2007, 25, 293-315.	1.5	7
33	Simultaneous nonparametric regression analysis of sparse longitudinal data. <i>Bernoulli</i> , 2018, 24, .	1.3	7
34	Asymptotics for Self-Normalized Random Products of Sums for Mixing Sequences. <i>Stochastic Analysis and Applications</i> , 2007, 25, 739-762.	1.5	6
35	Testing independence with high-dimensional correlated samples. <i>Annals of Statistics</i> , 2018, 46, .	2.6	5
36	Large-Scale Simultaneous Testing of Cross-Covariance Matrices with Applications to PheWAS. <i>Statistica Sinica</i> , 2019, 29, 983-1005.	0.3	3

#	ARTICLE	IF	CITATIONS
37	DEMO: A Flexible Deartifacting Module for Compressed Sensing MRI. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 725-736.	10.8	3
38	Precise asymptotics for the first moment of the error variance estimator in linear models. Applied Mathematics Letters, 2008, 21, 641-647.	2.7	2
39	Precise rates in the law of the iterated logarithm under dependence assumptions. Acta Mathematica Sinica, English Series, 2008, 24, 59-74.	0.6	2
40	Precise asymptotics in the law of logarithm under dependence assumptions. Computers and Mathematics With Applications, 2008, 56, 1634-1642.	2.7	2
41	Byzantine-robust distributed sparse learning for M-estimation. Machine Learning, 2023, 112, 3773-3804.	5.4	2
42	Graph Estimation for Matrix-variate Gaussian Data. Statistica Sinica, 2018, , .	0.3	2
43	Fast and Robust Sparsity Learning Over Networks: A Decentralized Surrogate Median Regression Approach. IEEE Transactions on Signal Processing, 2022, 70, 797-809.	5.3	2
44	Simultaneous Confidence Bands in Nonlinear Regression Models with Nonstationarity. Statistica Sinica, 2018, , .	0.3	1
45	Robust reduced rank regression in a distributed setting. Science China Mathematics, 2022, 65, 1707-1730.	1.7	1
46	Simultaneous Confidence Bands in Nonlinear Regression Models with Nonstationarity. SSRN Electronic Journal, 0, , .	0.4	0
47	A Novel Target PCPB1-AS1 Regulates the Treg Infiltration and Serves as a Potential Biomarker for Immunotherapy Response in Lung Adenocarcinoma. SSRN Electronic Journal, 0, , .	0.4	0
48	Rejoinder on "A review of distributed statistical inference". Statistical Theory and Related Fields, 0, , 1-3.	0.4	0