Weidong Liu

List of Publications by Year
in descending order

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	Byzantine-robust distributed sparse learning for M-estimation. Machine Learning, 2023, 112, 3773-3804.	5.4	2
2	First-Order Newton-Type Estimator for Distributed Estimation and Inference. Journal of the American Statistical Association, 2022, 117, 1858-1874.	3.1	9
3	A review of distributed statistical inference. Statistical Theory and Related Fields, 2022, 6, 89-99.	0.4	10
4	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
5	Robust reduced rank regression in a distributed setting. Science China Mathematics, 2022, 65, 1707-1730.	1.7	1
6	DEMO: A Flexible Deartifacting Module for Compressed Sensing MRI. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 725-736.	10.8	3
7	Quantile regression under memory constraint. Annals of Statistics, 2019, 47, .	2.6	74
8	Spectral analysis of high-dimensional time series. Electronic Journal of Statistics, 2019, 13, .	0.7	13
9	Large-Scale Simultaneous Testing of Cross-Covariance Matrices with Applications to PheWAS. Statistica Sinica, 2019, 29, 983-1005.	0.3	3
10	Testing independence with high-dimensional correlated samples. Annals of Statistics, 2018, 46, .	2.6	5
11	Simultaneous nonparametric regression analysis of sparse longitudinal data. Bernoulli, 2018, 24, .	1.3	7
12	Simultaneous Confidence Bands in Nonlinear Regression Models with Nonstationarity. Statistica Sinica, 2018, , .	0.3	1
13	Graph Estimation for Matrix-variate Gaussian Data. Statistica Sinica, 2018, , .	0.3	2
14	Phenomeâ€Wide Association Study of Autoantibodies to Citrullinated and Noncitrullinated Epitopes in Rheumatoid Arthritis. Arthritis and Rheumatology, 2017, 69, 742-749.	5.6	26
15	Structural similarity and difference testing on multiple sparse Gaussian graphical models. Annals of Statistics, 2017, 45, .	2.6	18
16	Estimating sparse precision matrix: Optimal rates of convergence and adaptive estimation. Annals of Statistics, 2016, 44, .	2.6	90
17	Large-Scale Multiple Testing of Correlations. Journal of the American Statistical Association, 2016, 111, 229-240.	3.1	38
18	Joint estimation of multiple high-dimensional precision matrices. Statistica Sinica, 2016, 26, 445-464.	0.3	34

#	Article	IF	Citations
19	Fast and adaptive sparse precision matrix estimation in high dimensions. Journal of Multivariate Analysis, 2015, 135, 153-162.	1.0	38
20	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
21	Phase transition and regularized bootstrap in large-scale t-tests with false discovery rate control. Annals of Statistics, 2014, 42, .	2.6	35
22	KomlÃ³sâ€"Majorâ€"TusnÃ¡dy approximation under dependence. Annals of Probability, 2014, 42, .	1.8	54
23	Covariate-adjusted precision matrix estimation with an application in genetical genomics. Biometrika, 2013, 100, 139-156.	2.4	74
24	Probability and moment inequalities under dependence. Statistica Sinica, 2013, , .	0.3	18
25	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
26	Self-normalized CramÃ©r type moderate deviations for the maximum of sums. Bernoulli, 2013, 19, .	1.3	9
27	A CramÃ©r moderate deviation theorem for Hotellingâ€™s T^{2}-statistic with applications to global tests. Annals of Statistics, 2013, 41, .	2.6	15
28	Gaussian graphical model estimation with false discovery rate control. Annals of Statistics, 2013, 41, .	2.6	104
29	A Direct Estimation Approach to Sparse Linear Discriminant Analysis. Journal of the American Statistical Association, 2011, 106, 1566-1577.	3.1	178
30	Adaptive Thresholding for Sparse Covariance Matrix Estimation. Journal of the American Statistical Association, 2011, 106, 672-684.	3.1	365
31	On non-stationary threshold autoregressive models. Bernoulli, 2011, 17, .	1.3	14
32	A Constrained ℓ_1 Minimization Approach to Sparse Precision Matrix Estimation. Journal of the American Statistical Association, 2011, 106, 594-607.	3.1	594
33	ASYMPTOTICS OF SPECTRAL DENSITY ESTIMATES. Econometric Theory, 2010, 26, 1218-1245.	0.7	75
34	CramÃ©r-type moderate deviation for the maximum of the periodogram with application to simultaneous tests in gene expression time series. Annals of Statistics, 2010, 38, .	2.6	17
35	Simultaneous nonparametric inference of time series. Annals of Statistics, 2010, 38, .	2.6	29
36	Necessary and sufficient conditions for the asymptotic distribution of the largest entry of a sample correlation matrix. Probability Theory and Related Fields, 2010, 148, 5-35.	1.8	24

#	Article	IF	Citations
37	Strong approximation for a class of stationary processes. Stochastic Processes and Their Applications, 2009, 119, 249-280.	0.9	32
38	On maxima of periodograms of stationary processes. Annals of Statistics, 2009, 37, .	2.6	17
39	Precise asymptotics for the first moment of the error variance estimator in linear models. Applied Mathematics Letters, 2008, 21, 641-647.	2.7	2
40	A LIL for independent non-identically distributed random variables in Banach space and its applications. Science in China Series A: Mathematics, 2008, 51, 219-232.	0.5	8
41	Precise rates in the law of the iterated logarithm under dependence assumptions. Acta Mathematica Sinica, English Series, 2008, 24, 59-74.	0.6	2
42	Precise asymptotics in the law of logarithm under dependence assumptions. Computers and Mathematics With Applications, 2008, 56, 1634-1642.	2.7	2
43	Asymptotics for Self-Normalized Random Products of Sums for Mixing Sequences. Stochastic Analysis and Applications, 2007, 25, 293-315.	1.5	7
44	Asymptotics for Self-Normalized Random Products of Sums for Mixing Sequences. Stochastic Analysis and Applications, 2007, 25, 739-762.	1.5	6
45	Precise asymptotics for a new kind of complete moment convergence. Statistics and Probability Letters, 2006, 76, 1787-1799.	0.7	44
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&nbsp;Immunotherapy Response in Lung Adenocarcinoma. SSRN Electronic Journal, 0, , .	0.4	0
48	Rejoinder on â€˜A review of distributed statistical inferenceâ€™. Statistical Theory and Related Fields, 0, , 1-3.	0.4	0