

# Large-Scale Correlation Screening

Journal of the American Statistical Association

106, 1540-1552

DOI: [10.1198/jasa.2011.tm11015](https://doi.org/10.1198/jasa.2011.tm11015)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Large scale correlation detection. , 2012, , .		2
2	Hub Discovery in Partial Correlation Graphs. IEEE Transactions on Information Theory, 2012, 58, 6064-6078.	1.5	61
3	Retaining positive definiteness in thresholded matrices. Linear Algebra and Its Applications, 2012, 436, 4143-4160.	0.4	17
4	Phase transition in limiting distributions of coherence of high-dimensional random matrices. Journal of Multivariate Analysis, 2012, 107, 24-39.	0.5	37
5	Condition-Number-Regularized Covariance Estimation. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2013, 75, 427-450.	1.1	103
7	Best permutation analysis. Journal of Multivariate Analysis, 2013, 121, 193-223.	0.5	15
8	Machine Learning with Brain Graphs: Predictive Modeling Approaches for Functional Imaging in Systems Neuroscience. IEEE Signal Processing Magazine, 2013, 30, 58-70.	4.6	135
9	Correlation tests for high-dimensional data using extended cross-data-matrix methodology. Journal of Multivariate Analysis, 2013, 117, 313-331.	0.5	20
10	Local hub screening in sparse correlation graphs. Proceedings of SPIE, 2013, , .	0.8	0
11	Two-stage variable selection for molecular prediction of disease. , 2013, , .		0
12	Spatio-temporal analysis of Gaussian WSS processes via complex correlation and partial correlation screening. , 2013, , .		2
13	Functions preserving positive definiteness for sparse matrices. Transactions of the American Mathematical Society, 2015, 367, 627-649.	0.5	19
14	Data comparison using Gaussian Graphical Models. , 2014, , .		0
15	Graph analysis of functional brain networks: practical issues in translational neuroscience. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130521.	1.8	313
16	Stable estimation of a covariance matrix guided by nuclear norm penalties. Computational Statistics and Data Analysis, 2014, 80, 117-128.	0.7	31
17	Selecting biologically informative genes in co-expression networks with a centrality score. Biology Direct, 2014, 9, 12.	1.9	49
18	A Practitioner's Defense of Return Predictability. SSRN Electronic Journal, 0, , .	0.4	4
19	Non-parametric quickest change detection for large scale random matrices. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
20	Complete characterization of Hadamard powers preserving Loewner positivity, monotonicity, and convexity. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 425, 489-507.	0.5	16
21	An Equivalent Measure of Partial Correlation Coefficients for High-Dimensional Gaussian Graphical Models. <i>Journal of the American Statistical Association</i> , 2015, 110, 1248-1265.	1.8	35
22	Excursions in Harmonic Analysis, Volume 4. <i>Applied and Numerical Harmonic Analysis</i> , 2015, , .	0.1	2
23	Image patch analysis of sunspots and active regions. <i>Journal of Space Weather and Space Climate</i> , 2016, 6, A2.	1.1	5
24	Covariance Versus Precision Matrix Estimation for Efficient Asset Allocation. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2016, 10, 982-993.	7.3	10
25	Large-scale correlation mining for biomolecular network discovery. , 2016, , 409-436.		1
26	Matrix positivity preservers in fixed dimension. I. <i>Advances in Mathematics</i> , 2016, 298, 325-368.	0.5	15
27	High-dimensional inference on covariance structures via the extended cross-data-matrix methodology. <i>Journal of Multivariate Analysis</i> , 2016, 151, 151-166.	0.5	10
28	Critical exponents of graphs. <i>Journal of Combinatorial Theory - Series A</i> , 2016, 139, 30-58.	0.5	5
29	Foundational Principles for Large-Scale Inference: Illustrations Through Correlation Mining. <i>Proceedings of the IEEE</i> , 2016, 104, 93-110.	16.4	17
30	A Practitioner's Defense of Return Predictability. <i>Journal of Portfolio Management</i> , 2017, , .	0.3	0
31	A Practitioner's Defense of Return Predictability. <i>Journal of Portfolio Management</i> , 2017, 43, 60-76.	0.3	15
32	Preserving positivity for rank-constrained matrices. <i>Transactions of the American Mathematical Society</i> , 2017, 369, 6105-6145.	0.5	9
33	Statistical inference for high-dimension, low-sample-size data. <i>Sugaku Expositions</i> , 2017, 30, 137-158.	0.2	1
34	Spherical Cap Packing Asymptotics and Rank-Extreme Detection. <i>IEEE Transactions on Information Theory</i> , 2017, 63, 4572-4584.	1.5	9
35	Two-Stage Sampling, Prediction and Adaptive Regression via Correlation Screening. <i>IEEE Transactions on Information Theory</i> , 2017, 63, 698-714.	1.5	5
36	Quickest Detection for Changes in Maximal kNN Coherence of Random Matrices. <i>IEEE Transactions on Signal Processing</i> , 2018, 66, 4490-4503.	3.2	8
37	Brain networks of rats under anesthesia using resting-state fMRI: comparison with dead rats, random noise and generative models of networks. <i>Journal of Neural Engineering</i> , 2020, 17, 045012.	1.8	10

#	ARTICLE	IF	CITATIONS
38	Asymptotics of eigenstructure of sample correlation matrices for high-dimensional spiked models. <i>Statistica Sinica</i> , 2021, 31, 571-601.	0.2	3
39	A Dynamical Network View of Lyon's Shared Bicycle System. <i>Modeling and Simulation in Science, Engineering and Technology</i> , 2013, , 267-284.	0.4	11
40	Spectral Correlation Hub Screening of Multivariate Time Series. <i>Applied and Numerical Harmonic Analysis</i> , 2015, , 335-366.	0.1	0
41	Graphical Markov models for infinitely many variables. <i>Transactions of the American Mathematical Society</i> , 2018, 370, 7557-7603.	0.5	0
42	Wavelet-based graph inference using multiple testing. , 2019, , .		0
43	Schur polynomials and matrix positivity preservers. <i>Discrete Mathematics and Theoretical Computer Science</i> , 0, DMTCS Proceedings, 28th..., .	0.1	0
46	Scalable Sparse Covariance Estimation via Self-Concordance. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2014, 28, .	3.6	4
47	A Unified Framework for Correlation Mining in Ultra-High Dimension. <i>IEEE Transactions on Information Theory</i> , 2023, 69, 334-382.	1.5	0
48	Properties of eigenvalues and eigenvectors of large-dimensional sample correlation matrices. <i>Annals of Applied Probability</i> , 2022, 32, .	0.6	0
49	Knowledge discovery with computational fluid dynamics: Supercritical airfoil database and drag divergence prediction. <i>Physics of Fluids</i> , 2023, 35, .	1.6	1
50	A Clustering Algorithm for Correlation Quickest Hub Discovery Mixing Time Evolution and Random Matrix Theory. , 2022, , .		0
51	Log-linear stochastic block modeling and monitoring of directed sparse weighted network systems. <i>IJSE Transactions</i> , 2024, 56, 515-526.	1.6	0