

Ming Yuan

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

8,359
citations

186265

28
h-index

85541

71
g-index

81
all docs

81
docs citations

81
times ranked

8101
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterizing Spatiotemporal Transcriptome of the Human Brain Via Low-Rank Tensor Decomposition. <i>Statistics in Biosciences</i> , 2022, 14, 485-513.	1.2	3
2	Effective Tensor Sketching via Sparsification. <i>IEEE Transactions on Information Theory</i> , 2021, 67, 1356-1369.	2.4	3
3	Statistically optimal and computationally efficient low rank tensor completion from noisy entries. <i>Annals of Statistics</i> , 2021, 49, .	2.6	13
4	Revisiting colocalization via optimal transport. <i>Nature Computational Science</i> , 2021, 1, 177-178.	8.0	3
5	Editorial: Memorial issue for Charles Stein. <i>Annals of Statistics</i> , 2021, 49, .	2.6	0
6	Structured Correlation Detection with Application to Colocalization Analysis in Dual-Channel Fluorescence Microscopic Imaging. <i>Statistica Sinica</i> , 2021, 31, 333-360.	0.3	4
7	Comment: From Ridge Regression to Methods of Regularization. <i>Technometrics</i> , 2020, 62, 447-450.	1.9	4
8	ISLET: Fast and Optimal Low-Rank Tensor Regression via Importance Sketching. <i>SIAM Journal on Mathematics of Data Science</i> , 2020, 2, 444-479.	1.8	20
9	Nonlinear Nanophotonic Media for Artificial Neural Computing. , 2019, , .		0
10	Spatially Adaptive Colocalization Analysis in Dual-Color Fluorescence Microscopy. <i>IEEE Transactions on Image Processing</i> , 2019, 28, 4471-4485.	9.8	10
11	Convex regularization for high-dimensional multiresponse tensor regression. <i>Annals of Statistics</i> , 2019, 47, .	2.6	39
12	On Polynomial Time Methods for Exact Low-Rank Tensor Completion. <i>Foundations of Computational Mathematics</i> , 2019, 19, 1265-1313.	2.5	25
13	Nonparametric empirical Bayesian framework for fluorescence-lifetime imaging microscopy. <i>Biomedical Optics Express</i> , 2019, 10, 5497.	2.9	19
14	Automated and Robust Quantification of Colocalization in Dual-Color Fluorescence Microscopy: A Nonparametric Statistical Approach. <i>IEEE Transactions on Image Processing</i> , 2018, 27, 622-636.	9.8	11
15	Statistical process control procedures for functional data with systematic local variations. <i>IIEE Transactions</i> , 2018, 50, 448-462.	2.4	3
16	Sparse recovery: from vectors to tensors. <i>National Science Review</i> , 2018, 5, 756-767.	9.5	35
17	Localizing differentially evolving covariance structures via scan statistics. <i>Quarterly of Applied Mathematics</i> , 2018, 77, 357-398.	0.7	1
18	Quantifying predictive capability of electronic health records for the most harmful breast cancer. , 2018, 10577, .		5

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19	Utility of Genetic Testing in Addition to Mammography for Determining Risk of Breast Cancer Depends on Patient Age. AMIA Summits on Translational Science Proceedings, 2018, 2017, 81-90.	0.4	4
20	Quantitating the cell: turning images into numbers with <code><scp>ImageJ</scp></code> . Wiley Interdisciplinary Reviews: Developmental Biology, 2017, 6, e260.	5.9	108
21	Diverse activities of viral cis-acting RNA regulatory elements revealed using multicolor, long-term, single-cell imaging. Molecular Biology of the Cell, 2017, 28, 476-487.	2.1	10
22	Breast Cancer Risk Prediction Using Electronic Health Records. , 2017, , .		10
23	Incoherent Tensor Norms and Their Applications in Higher Order Tensor Completion. IEEE Transactions on Information Theory, 2017, 63, 6753-6766.	2.4	33
24	Degrees of freedom in low rank matrix estimation. Science China Mathematics, 2016, 59, 2485-2502.	1.7	5
25	Comment. Journal of the American Statistical Association, 2016, 111, 1524-1525.	3.1	0
26	Discriminatory power of common genetic variants in personalized breast cancer diagnosis. , 2016, 9787, .		2
27	Efficient Portfolio Selection in a Large Market. Journal of Financial Econometrics, 2016, 14, 496-524.	1.5	32
28	Distance Shrinkage and Euclidean Embedding via Regularized Kernel Estimation. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2016, 78, 849-867.	2.2	8
29	On Tensor Completion via Nuclear Norm Minimization. Foundations of Computational Mathematics, 2016, 16, 1031-1068.	2.5	135
30	Comparing Mammography Abnormality Features to Genetic Variants in the Prediction of Breast Cancer in Women Recommended for Breast Biopsy. Academic Radiology, 2016, 23, 62-69.	2.5	11
31	Minimax and Adaptive Estimation of Covariance Operator for Random Variables Observed on a Lattice Graph. Journal of the American Statistical Association, 2016, 111, 253-265.	3.1	4
32	Discussion of "Estimating structured high-dimensional covariance and precision matrices: Optimal rates and adaptive estimation". Electronic Journal of Statistics, 2016, 10, .	0.7	1
33	Structure-Leveraged Methods in Breast Cancer Risk Prediction. Journal of Machine Learning Research, 2016, 17, .	62.4	5
34	On sparse representation for optimal individualized treatment selection with penalized outcome weighted learning. Stat, 2015, 4, 59-68.	0.4	34
35	Statistical Significance of Clustering Using Soft Thresholding. Journal of Computational and Graphical Statistics, 2015, 24, 975-993.	1.7	45
36	Risk Classification With an Adaptive Naive Bayes Kernel Machine Model. Journal of the American Statistical Association, 2015, 110, 393-404.	3.1	20

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37	Regularized principal components of heritability. Computational Statistics, 2014, 29, 455-465.	1.5	3
38	CARM1 Methylates Chromatin Remodeling Factor BAF155 to Enhance Tumor Progression and Metastasis. Cancer Cell, 2014, 25, 21-36.	16.8	215
39	Radial basis function regularization for linear inverse problems with random noise. Journal of Multivariate Analysis, 2013, 116, 92-108.	1.0	5
40	Comments on "Grouping strategies and thresholding for high dimension linear models". Journal of Statistical Planning and Inference, 2013, 143, 1454-1456.	0.6	0
41	Research Resource: Global Identification of Estrogen Receptor β Target Genes in Triple Negative Breast Cancer Cells. Molecular Endocrinology, 2013, 27, 1762-1775.	3.7	52
42	Signal inhibition by the dual-specific phosphatase 4 impairs T cell-dependent B-cell responses with age. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E879-88.	7.1	90
43	Discussion: Latent variable graphical model selection via convex optimization. Annals of Statistics, 2012, 40, .	2.6	10
44	Adaptive covariance matrix estimation through block thresholding. Annals of Statistics, 2012, 40, .	2.6	74
45	Minimax and Adaptive Prediction for Functional Linear Regression. Journal of the American Statistical Association, 2012, 107, 1201-1216.	3.1	95
46	Convex optimization methods for dimension reduction and coefficient estimation in multivariate linear regression. Mathematical Programming, 2012, 131, 163-194.	2.4	27
47	Support vector machines with a reject option. Bernoulli, 2011, 17, .	1.3	31
48	An Empirical Bayes' Approach to Joint Analysis of Multiple Microarray Gene Expression Studies. Biometrics, 2011, 67, 1617-1626.	1.4	12
49	Regularized Parameter Estimation in High-Dimensional Gaussian Mixture Models. Neural Computation, 2011, 23, 1605-1622.	2.2	39
50	Reinforced Multicategory Support Vector Machines. Journal of Computational and Graphical Statistics, 2011, 20, 901-919.	1.7	43
51	On the identifiability of additive index models. Statistica Sinica, 2011, 21, .	0.3	19
52	Statistical Analysis of Time Course Microarray Data. , 2011, , 299-313.		0
53	Statistical Methods for Fighting Financial Crimes. Technometrics, 2010, 52, 5-19.	1.9	62
54	Dimension reduction and parameter estimation for additive index models. Statistics and Its Interface, 2010, 3, 493-499.	0.3	7

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55	Efficient Global Approximation of Generalized Nonlinear $\hat{\alpha}_1$ -Regularized Solution Paths and Its Applications. Journal of the American Statistical Association, 2009, 104, 1562-1574.	3.1	7
56	Regularized parameter estimation of high dimensional t distribution. Journal of Statistical Planning and Inference, 2009, 139, 2284-2292.	0.6	12
57	Large Gaussian Covariance Matrix Estimation With Markov Structures. Journal of Computational and Graphical Statistics, 2009, 18, 640-657.	1.7	12
58	Structured variable selection and estimation. Annals of Applied Statistics, 2009, 3, .	1.1	65
59	Regularized simultaneous model selection in multiple quantiles regression. Computational Statistics and Data Analysis, 2008, 52, 5296-5304.	1.2	55
60	Efficient Computation of $\hat{\alpha}_1$ -Regularized Estimates in Gaussian Graphical Models. Journal of Computational and Graphical Statistics, 2008, 17, 809-826.	1.7	23
61	Structured variable selection in support vector machines. Electronic Journal of Statistics, 2008, 2, .	0.7	7
62	An Efficient Variable Selection Approach for Analyzing Designed Experiments. Technometrics, 2007, 49, 430-439.	1.9	54
63	A statistical analysis of memory CD8 T cell differentiation: An application of a hierarchical state space model to a short time course microarray experiment. Annals of Applied Statistics, 2007, 1, .	1.1	9
64	Nonparametric smoothing and its applications in biomedical imaging. AIP Conference Proceedings, 2007, , .	0.4	0
65	On the non-negative garrotte estimator. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2007, 69, 143-161.	2.2	191
66	Dimension reduction and coefficient estimation in multivariate linear regression. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2007, 69, 329-346.	2.2	189
67	Approximate Test Risk Bound Minimization Through Soft Margin Estimation. IEEE Transactions on Audio Speech and Language Processing, 2007, 15, 2393-2404.	3.2	42
68	Model selection and estimation in the Gaussian graphical model. Biometrika, 2007, 94, 19-35.	2.4	1,063
69	Model selection and estimation in regression with grouped variables. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2006, 68, 49-67.	2.2	4,736
70	A Unified Approach for Simultaneous Gene Clustering and Differential Expression Identification. Biometrics, 2006, 62, 1089-1098.	1.4	42
71	GACV for quantile smoothing splines. Computational Statistics and Data Analysis, 2006, 50, 813-829.	1.2	113
72	Flexible temporal expression profile modelling using the Gaussian process. Computational Statistics and Data Analysis, 2006, 51, 1754-1764.	1.2	18

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73	Hidden Markov Models for Microarray Time Course Data in Multiple Biological Conditions. Journal of the American Statistical Association, 2006, 101, 1323-1332.	3.1	67
74	Semiparametric censorship model with covariates. Test, 2005, 14, 489-514.	1.1	12
75	Efficient Empirical Bayes Variable Selection and Estimation in Linear Models. Journal of the American Statistical Association, 2005, 100, 1215-1225.	3.1	151
76	Automatic Smoothing for Poisson Regression. Communications in Statistics - Theory and Methods, 2005, 34, 603-617.	1.0	5
77	Doubly penalized likelihood estimator in heteroscedastic regression. Statistics and Probability Letters, 2004, 69, 11-20.	0.7	20
78	A Central Limit Theorem for Random Fields of Negatively Associated Processes. Journal of Theoretical Probability, 2003, 16, 309-323.	0.8	8
79	Deconvolving Multivariate Density from Random Field. Statistical Inference for Stochastic Processes, 2003, 6, 135-153.	0.6	1
80	Deconvolving multidimensional density from partially contaminated observations. Journal of Statistical Planning and Inference, 2002, 104, 147-160.	0.6	7