Ming Yuan

List of Publications by Year
in descending order

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	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
2	Model selection and estimation in the Gaussian graphical model. Biometrika, 2007, 94, 19-35.	2.4	1,063
3	CARM1 Methylates Chromatin Remodeling Factor BAF155 to Enhance Tumor Progression and Metastasis. Cancer Cell, 2014, 25, 21-36.	16.8	215
4	On the non-negative garrotte estimator. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2007, 69, 143-161.	2.2	191
5	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
6	Efficient Empirical Bayes Variable Selection and Estimation in Linear Models. Journal of the American Statistical Association, 2005, 100, 1215-1225.	3.1	151
7	On Tensor Completion via Nuclear Norm Minimization. Foundations of Computational Mathematics, 2016, 16, 1031-1068.	2.5	135
8	GACV for quantile smoothing splines. Computational Statistics and Data Analysis, 2006, 50, 813-829.	1.2	113
9	Quantitating the cell: turning images into numbers with <scp>ImageJ</scp>. Wiley Interdisciplinary Reviews: Developmental Biology, 2017, 6, e260.	5.9	108
10	Minimax and Adaptive Prediction for Functional Linear Regression. Journal of the American Statistical Association, 2012, 107, 1201-1216.	3.1	95
11	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
12	Adaptive covariance matrix estimation through block thresholding. Annals of Statistics, 2012, 40, .	2.6	74
13	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
14	Structured variable selection and estimation. Annals of Applied Statistics, 2009, 3, .	1.1	65
15	Statistical Methods for Fighting Financial Crimes. Technometrics, 2010, 52, 5-19.	1.9	62
16	Regularized simultaneous model selection in multiple quantiles regression. Computational Statistics and Data Analysis, 2008, 52, 5296-5304.	1.2	55
17	An Efficient Variable Selection Approach for Analyzing Designed Experiments. Technometrics, 2007, 49, 430-439.	1.9	54
18	Research Resource: Global Identification of Estrogen Receptor Î² Target Genes in Triple Negative Breast Cancer Cells. Molecular Endocrinology, 2013, 27, 1762-1775.	3.7	52

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19	Statistical Significance of Clustering Using Soft Thresholding. Journal of Computational and Graphical Statistics, 2015, 24, 975-993.	1.7	45
20	Reinforced Multicategory Support Vector Machines. Journal of Computational and Graphical Statistics, 2011, 20, 901-919.	1.7	43
21	A Unified Approach for Simultaneous Gene Clustering and Differential Expression Identification. Biometrics, 2006, 62, 1089-1098.	1.4	42
22	Approximate Test Risk Bound Minimization Through Soft Margin Estimation. IEEE Transactions on Audio Speech and Language Processing, 2007, 15, 2393-2404.	3.2	42
23	Regularized Parameter Estimation in High-Dimensional Gaussian Mixture Models. Neural Computation, 2011, 23, 1605-1622.	2.2	39
24	Convex regularization for high-dimensional multiresponse tensor regression. Annals of Statistics, 2019, 47, .	2.6	39
25	Sparse recovery: from vectors to tensors. National Science Review, 2018, 5, 756-767.	9.5	35
26	On sparse representation for optimal individualized treatment selection with penalized outcome weighted learning. Stat, 2015, 4, 59-68.	0.4	34
27	Incoherent Tensor Norms and Their Applications in Higher Order Tensor Completion. IEEE Transactions on Information Theory, 2017, 63, 6753-6766.	2.4	33
28	Efficient Portfolio Selection in a Large Market. Journal of Financial Econometrics, 2016, 14, 496-524.	1.5	32
29	Support vector machines with a reject option. Bernoulli, 2011, 17, .	1.3	31
30	Convex optimization methods for dimension reduction and coefficient estimation in multivariate linear regression. Mathematical Programming, 2012, 131, 163-194.	2.4	27
31	On Polynomial Time Methods for Exact Low-Rank Tensor Completion. Foundations of Computational Mathematics, 2019, 19, 1265-1313.	2.5	25
32	Efficient Computation of â„"$_1$Regularized Estimates in Gaussian Graphical Models. Journal of Computational and Graphical Statistics, 2008, 17, 809-826.	1.7	23
33	Doubly penalized likelihood estimator in heteroscedastic regression. Statistics and Probability Letters, 2004, 69, 11-20.	0.7	20
34	Risk Classification With an Adaptive Naive Bayes Kernel Machine Model. Journal of the American Statistical Association, 2015, 110, 393-404.	3.1	20
35	ISLET: Fast and Optimal Low-Rank Tensor Regression via Importance Sketching. SIAM Journal on Mathematics of Data Science, 2020, 2, 444-479.	1.8	20
36	Nonparametric empirical Bayesian framework for fluorescence-lifetime imaging microscopy. Biomedical Optics Express, 2019, 10, 5497.	2.9	19

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37	On the identifiability of additive index models. Statistica Sinica, 2011, 21, .	0.3	19
38	Flexible temporal expression profile modelling using the Gaussian process. Computational Statistics and Data Analysis, 2006, 51, 1754-1764.	1.2	18
39	Statistically optimal and computationally efficient low rank tensor completion from noisy entries. Annals of Statistics, 2021, 49, .	2.6	13
40	Semiparametric censorship model with covariates. Test, 2005, 14, 489-514.	1.1	12
41	Regularized parameter estimation of high dimensional t distribution. Journal of Statistical Planning and Inference, 2009, 139, 2284-2292.	0.6	12
42	Large Gaussian Covariance Matrix Estimation With Markov Structures. Journal of Computational and Graphical Statistics, 2009, 18, 640-657.	1.7	12
43	An Empirical Bayes' Approach to Joint Analysis of Multiple Microarray Gene Expression Studies. Biometrics, 2011, 67, 1617-1626.	1.4	12
44	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
45	Automated and Robust Quantification of Colocalization in Dual-Color Fluorescence Microscopy: A Nonparametric Statistical Approach. IEEE Transactions on Image Processing, 2018, 27, 622-636.	9.8	11
46	Discussion: Latent variable graphical model selection via convex optimization. Annals of Statistics, 2012, 40, .	2.6	10
47	Diverse activities of viralcis-acting RNA regulatory elements revealed using multicolor, long-term, single-cell imaging. Molecular Biology of the Cell, 2017, 28, 476-487.	2.1	10
48	Breast Cancer Risk Prediction Using Electronic Health Records. , 2017, , .		10
49	Spatially Adaptive Colocalization Analysis in Dual-Color Fluorescence Microscopy. IEEE Transactions on Image Processing, 2019, 28, 4471-4485.	9.8	10
50	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
51	A Central Limit Theorem for Random Fields of Negatively Associated Processes. Journal of Theoretical Probability, 2003, 16, 309-323.	0.8	8
52	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
53	Deconvolving multidimensional density from partially contaminated observations. Journal of Statistical Planning and Inference, 2002, 104, 147-160.	0.6	7
54	Efficient Global Approximation of Generalized Nonlinear ℓ_1-Regularized Solution Paths and Its Applications. Journal of the American Statistical Association, 2009, 104, 1562-1574.	3.1	7

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55	Structured variable selection in support vector machines. Electronic Journal of Statistics, 2008, 2, .	0.7	7
56	Dimension reduction and parameter estimation for additive index models. Statistics and Its Interface, 2010, 3, 493-499.	0.3	7
57	Automatic Smoothing for Poisson Regression. Communications in Statistics - Theory and Methods, 2005, 34, 603-617.	1.0	5
58	Radial basis function regularization for linear inverse problems with random noise. Journal of Multivariate Analysis, 2013, 116, 92-108.	1.0	5
59	Degrees of freedom in low rank matrix estimation. Science China Mathematics, 2016, 59, 2485-2502.	1.7	5
60	Quantifying predictive capability of electronic health records for the most harmful breast cancer. , 2018, 10577, .		5
61	Structure-Leveraged Methods in Breast Cancer Risk Prediction. Journal of Machine Learning Research, 2016, 17, .	62.4	5
62	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
63	Comment: From Ridge Regression to Methods of Regularization. Technometrics, 2020, 62, 447-450.	1.9	4
64	Structured Correlation Detection with Application to Colocalization Analysis in Dual-Channel Fluorescence Microscopic Imaging. Statistica Sinica, 2021, 31, 333-360.	0.3	4
65	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
66	Regularized principal components of heritability. Computational Statistics, 2014, 29, 455-465.	1.5	3
67	Statistical process control procedures for functional data with systematic local variations. IISE Transactions, 2018, 50, 448-462.	2.4	3
68	Effective Tensor Sketching via Sparsification. IEEE Transactions on Information Theory, 2021, 67, 1356-1369.	2.4	3
69	Revisiting colocalization via optimal transport. Nature Computational Science, 2021, 1, 177-178.	8.0	3
70	Characterizing Spatiotemporal Transcriptome of the Human Brain Via Low-Rank Tensor Decomposition. Statistics in Biosciences, 2022, 14, 485-513.	1.2	3
71	Discriminatory power of common genetic variants in personalized breast cancer diagnosis. , 2016, 9787, .		2
72	Deconvolving Multivariate Density from Random Field. Statistical Inference for Stochastic Processes, 2003, 6, 135-153.	0.6	1

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73	Localizing differentially evolving covariance structures via scan statistics. Quarterly of Applied Mathematics, 2018, 77, 357-398.	0.7	1
74	Discussion of â€œEstimating structured high-dimensional covariance and precision matrices: Optimal rates and adaptive estimationâ€. Electronic Journal of Statistics, 2016, 10, .	0.7	1
75	Nonparametric smoothing and its applications in biomedical imaging. AIP Conference Proceedings, 2007, , .	0.4	0
76	Comments on â€œGrouping strategies and thresholding for high dimension linear modelsâ€. Journal of Statistical Planning and Inference, 2013, 143, 1454-1456.	0.6	0
77	Comment. Journal of the American Statistical Association, 2016, 111, 1524-1525.	3.1	0
78	Nonlinear Nanophotonic Media for Artificial Neural Computing. , 2019, , .		0
79	Editorial: Memorial issue for Charles Stein. Annals of Statistics, 2021, 49, .	2.6	0
80	Statistical Analysis of Time Course Microarray Data. , 2011, , 299-313.		0