

Ming Yuan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75
papers

6,265
citations

24
h-index

79
g-index

81
ext. papers

7,369
ext. citations

3
avg, IF

6.34
L-index

#	Paper	IF	Citations
75	Effective Tensor Sketching via Sparsification. <i>IEEE Transactions on Information Theory</i> , 2021 , 67, 1356-1369	3.2	2
74	Statistically optimal and computationally efficient low rank tensor completion from noisy entries. <i>Annals of Statistics</i> , 2021 , 49,	3.2	7
73	STRUCTURED CORRELATION DETECTION WITH APPLICATION TO COLOCALIZATION ANALYSIS IN DUAL-CHANNEL FLUORESCENCE MICROSCOPIC IMAGING.. <i>Statistica Sinica</i> , 2021 , 31, 333-360	0.7	3
72	Comment: From Ridge Regression to Methods of Regularization. <i>Technometrics</i> , 2020 , 62, 447-450	1.4	1
71	ISLET: Fast and Optimal Low-Rank Tensor Regression via Importance Sketching. <i>SIAM Journal on Mathematics of Data Science</i> , 2020 , 2, 444-479	3.1	7
70	Spatially Adaptive Colocalization Analysis in Dual-Color Fluorescence Microscopy. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	6
69	Nonparametric empirical Bayesian framework for fluorescence-lifetime imaging microscopy. <i>Biomedical Optics Express</i> , 2019 , 10, 5497-5517	3.5	8
68	Convex regularization for high-dimensional multiresponse tensor regression. <i>Annals of Statistics</i> , 2019 , 47,	3.2	22
67	On Polynomial Time Methods for Exact Low-Rank Tensor Completion. <i>Foundations of Computational Mathematics</i> , 2019 , 19, 1265-1313	2.7	15
66	LOCALIZING DIFFERENTIALLY EVOLVING COVARIANCE STRUCTURES VIA SCAN STATISTICS.. <i>Quarterly of Applied Mathematics</i> , 2019 , 77, 357-398	0.7	0
65	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	8.7	9
64	Statistical process control procedures for functional data with systematic local variations. <i>IIE Transactions</i> , 2018 , 50, 448-462	3.3	2
63	Sparse recovery: from vectors to tensors. <i>National Science Review</i> , 2018 , 5, 756-767	10.8	23
62	Quantifying predictive capability of electronic health records for the most harmful breast cancer. <i>Proceedings of SPIE</i> , 2018 , 10577,	1.7	2
61	Utility of Genetic Testing in Addition to Mammography for Determining Risk of Breast Cancer Depends on Patient Age. <i>AMIA Summits on Translational Science Proceedings</i> , 2018 , 2017, 81-90	1.1	2
60	Quantitating the cell: turning images into numbers with ImageJ. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2017 , 6, e260	5.9	66
59	Diverse activities of viral cis-acting RNA regulatory elements revealed using multicolor, long-term, single-cell imaging. <i>Molecular Biology of the Cell</i> , 2017 , 28, 476-487	3.5	7

58	2017,		4
57	Incoherent Tensor Norms and Their Applications in Higher Order Tensor Completion. <i>IEEE Transactions on Information Theory</i> , 2017 , 63, 6753-6766	2.8	24
56	Comments on "Personalized dose finding using outcome weighted learning". <i>Journal of the American Statistical Association</i> , 2017 , 111, 1524-1525	2.8	
55	Discriminatory power of common genetic variants in personalized breast cancer diagnosis. <i>Proceedings of SPIE</i> , 2016 , 9787,	1.7	2
54	Efficient Portfolio Selection in a Large Market. <i>Journal of Financial Econometrics</i> , 2016 , 14, 496-524	1.2	10
53	Distance shrinkage and Euclidean embedding via regularized kernel estimation. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2016 , 78, 849-867	3.9	5
52	On Tensor Completion via Nuclear Norm Minimization. <i>Foundations of Computational Mathematics</i> , 2016 , 16, 1031-1068	2.7	96
51	Comparing Mammography Abnormality Features to Genetic Variants in the Prediction of Breast Cancer in Women Recommended for Breast Biopsy. <i>Academic Radiology</i> , 2016 , 23, 62-9	4.3	7
50	Minimax and Adaptive Estimation of Covariance Operator for Random Variables Observed on a Lattice Graph. <i>Journal of the American Statistical Association</i> , 2016 , 111, 253-265	2.8	2
49	Structure-Leveraged Methods in Breast Cancer Risk Prediction. <i>Journal of Machine Learning Research</i> , 2016 , 17,	28.6	4
48	Degrees of freedom in low rank matrix estimation. <i>Science China Mathematics</i> , 2016 , 59, 2485-2502	0.8	4
47	Risk Classification with an Adaptive Naive Bayes Kernel Machine Model. <i>Journal of the American Statistical Association</i> , 2015 , 110, 393-404	2.8	16
46	On Sparse representation for Optimal Individualized Treatment Selection with Penalized Outcome Weighted Learning. <i>Stat</i> , 2015 , 4, 59-68	0.7	23
45	Statistical Significance of Clustering using Soft Thresholding. <i>Journal of Computational and Graphical Statistics</i> , 2015 , 24, 975-993	1.4	29
44	Regularized principal components of heritability. <i>Computational Statistics</i> , 2014 , 29, 455-465	1	1
43	CARM1 methylates chromatin remodeling factor BAF155 to enhance tumor progression and metastasis. <i>Cancer Cell</i> , 2014 , 25, 21-36	24.3	159
42	Radial basis function regularization for linear inverse problems with random noise. <i>Journal of Multivariate Analysis</i> , 2013 , 116, 92-108	1.4	3
41	Comments on "Grouping strategies and thresholding for high dimension linear models" <i>Journal of Statistical Planning and Inference</i> , 2013 , 143, 1454-1456	0.8	

40	Research resource: global identification of estrogen receptor β target genes in triple negative breast cancer cells. <i>Molecular Endocrinology</i> , 2013 , 27, 1762-75		42
39	Convex optimization methods for dimension reduction and coefficient estimation in multivariate linear regression. <i>Mathematical Programming</i> , 2012 , 131, 163-194	2.1	20
38	Adaptive covariance matrix estimation through block thresholding. <i>Annals of Statistics</i> , 2012 , 40,	3.2	60
37	Minimax and Adaptive Prediction for Functional Linear Regression. <i>Journal of the American Statistical Association</i> , 2012 , 107, 1201-1216	2.8	67
36	Signal inhibition by the dual-specific phosphatase 4 impairs T cell-dependent B-cell responses with age. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E879-88	11.5	66
35	Discussion: Latent variable graphical model selection via convex optimization. <i>Annals of Statistics</i> , 2012 , 40,	3.2	9
34	Support vector machines with a reject option. <i>Bernoulli</i> , 2011 , 17,	1.6	21
33	An empirical Bayes' approach to joint analysis of multiple microarray gene expression studies. <i>Biometrics</i> , 2011 , 67, 1617-26	1.8	11
32	Regularized parameter estimation in high-dimensional gaussian mixture models. <i>Neural Computation</i> , 2011 , 23, 1605-22	2.9	29
31	Reinforced Multicategory Support Vector Machines. <i>Journal of Computational and Graphical Statistics</i> , 2011 , 20, 901-919	1.4	37
30	On the identifiability of additive index models. <i>Statistica Sinica</i> , 2011 , 21,	0.7	9
29	Statistical Analysis of Time Course Microarray Data 2011 , 299-313		
28	Statistical Methods for Fighting Financial Crimes. <i>Technometrics</i> , 2010 , 52, 5-19	1.4	37
27	Dimension reduction and parameter estimation for additive index models. <i>Statistics and Its Interface</i> , 2010 , 3, 493-499	0.4	4
26	Efficient Global Approximation of Generalized Nonlinear ℓ_1 -Regularized Solution Paths and Its Applications. <i>Journal of the American Statistical Association</i> , 2009 , 104, 1562-1574	2.8	5
25	Regularized parameter estimation of high dimensional t distribution. <i>Journal of Statistical Planning and Inference</i> , 2009 , 139, 2284-2292	0.8	8
24	Large Gaussian Covariance Matrix Estimation With Markov Structures. <i>Journal of Computational and Graphical Statistics</i> , 2009 , 18, 640-657	1.4	10
23	Structured variable selection and estimation. <i>Annals of Applied Statistics</i> , 2009 , 3,	2.1	59

22	Efficient Computation of ℓ_1 Regularized Estimates in Gaussian Graphical Models. <i>Journal of Computational and Graphical Statistics</i> , 2008 , 17, 809-826	1.4	20
21	Regularized simultaneous model selection in multiple quantiles regression. <i>Computational Statistics and Data Analysis</i> , 2008 , 52, 5296-5304	1.6	43
20	Structured variable selection in support vector machines. <i>Electronic Journal of Statistics</i> , 2008 , 2,	1.2	7
19	A statistical analysis of memory CD8 T cell differentiation: An application of a hierarchical state space model to a short time course microarray experiment. <i>Annals of Applied Statistics</i> , 2007 , 1,	2.1	8
18	On the non-negative garrotte estimator. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2007 , 69, 143-161	3.9	160
17	Dimension reduction and coefficient estimation in multivariate linear regression. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2007 , 69, 329-346	3.9	142
16	Approximate Test Risk Bound Minimization Through Soft Margin Estimation. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2007 , 15, 2393-2404		25
15	Model selection and estimation in the Gaussian graphical model. <i>Biometrika</i> , 2007 , 94, 19-35	2	821
14	An Efficient Variable Selection Approach for Analyzing Designed Experiments. <i>Technometrics</i> , 2007 , 49, 430-439	1.4	49
13	Hidden Markov Models for Microarray Time Course Data in Multiple Biological Conditions. <i>Journal of the American Statistical Association</i> , 2006 , 101, 1323-1332	2.8	58
12	Model selection and estimation in regression with grouped variables. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2006 , 68, 49-67	3.9	3554
11	A unified approach for simultaneous gene clustering and differential expression identification. <i>Biometrics</i> , 2006 , 62, 1089-98	1.8	32
10	GACV for quantile smoothing splines. <i>Computational Statistics and Data Analysis</i> , 2006 , 50, 813-829	1.6	87
9	Flexible temporal expression profile modelling using the Gaussian process. <i>Computational Statistics and Data Analysis</i> , 2006 , 51, 1754-1764	1.6	16
8	Efficient Empirical Bayes Variable Selection and Estimation in Linear Models. <i>Journal of the American Statistical Association</i> , 2005 , 100, 1215-1225	2.8	133
7	Automatic Smoothing for Poisson Regression. <i>Communications in Statistics - Theory and Methods</i> , 2005 , 34, 603-617	0.5	5
6	Semiparametric censorship model with covariates. <i>Test</i> , 2005 , 14, 489-514	1.1	12
5	Doubly penalized likelihood estimator in heteroscedastic regression. <i>Statistics and Probability Letters</i> , 2004 , 69, 11-20	0.6	13

4	A Central Limit Theorem for Random Fields of Negatively Associated Processes. <i>Journal of Theoretical Probability</i> , 2003 , 16, 309-323	0.5	7
3	Deconvolving Multivariate Density from Random Field. <i>Statistical Inference for Stochastic Processes</i> , 2003 , 6, 135-153	0.7	1
2	Deconvolving multidimensional density from partially contaminated observations. <i>Journal of Statistical Planning and Inference</i> , 2002 , 104, 147-160	0.8	5
1	Characterizing Spatiotemporal Transcriptome of the Human Brain Via Low-Rank Tensor Decomposition. <i>Statistics in Biosciences</i> ,1	1.5	1