

Xiaotong Shen

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

2,761
citations

230014

27
h-index

223390

49
g-index

81
all docs

81
docs citations

81
times ranked

2819
citing authors

#	ARTICLE	IF	CITATIONS
1	Significance Tests of Feature Relevance for a Black-Box Learner. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 1898-1911.	7.2	5
2	Collaborative Multilabel Classification. Journal of the American Statistical Association, 2023, 118, 913-924.	1.8	1
3	Embedding Learning. Journal of the American Statistical Association, 2022, 117, 307-319.	1.8	4
4	Coupled Generation. Journal of the American Statistical Association, 2022, 117, 1243-1253.	1.8	0
5	Deep reinforcement learning for personalized treatment recommendation. Statistics in Medicine, 2022, 41, 4034-4056.	0.8	13
6	Scalable Collaborative Ranking for Personalized Prediction. Journal of the American Statistical Association, 2021, 116, 1215-1223.	1.8	1
7	Outcome weighted $\tilde{\pi}$ learning for individualized treatment rules. Stat, 2021, 10, e343.	0.3	1
8	Constrained maximum likelihood-based Mendelian randomization robust to both correlated and uncorrelated pleiotropic effects. American Journal of Human Genetics, 2021, 108, 1251-1269.	2.6	104
9	Two-level monotonic multistage recommender systems. Electronic Journal of Statistics, 2021, 15, .	0.4	0
10	On High-Dimensional Constrained Maximum Likelihood Inference. Journal of the American Statistical Association, 2020, 115, 217-230.	1.8	6
11	Likelihood Ratio Tests for a Large Directed Acyclic Graph. Journal of the American Statistical Association, 2020, 115, 1304-1319.	1.8	12
12	Multilabel Classification With Multivariate Time Series Predictors. IEEE Transactions on Signal Processing, 2020, 68, 5696-5705.	3.2	1
13	Discussion of "From Fixed-X to Random-X Regression: Bias-Variance Decompositions, Covariance Penalties, and Prediction Error Estimation" Journal of the American Statistical Association, 2020, 115, 152-156.	1.8	0
14	A New Semiparametric Approach to Finite Mixture of Regressions using Penalized Regression via Fusion. Statistica Sinica, 2020, 30, 783-807.	0.2	2
15	Reconstruction of a directed acyclic graph with intervention. Electronic Journal of Statistics, 2020, 14, 4133-4164.	0.4	2
16	A Regularization-Based Adaptive Test for High-Dimensional Generalized Linear Models. Journal of Machine Learning Research, 2020, 21, .	62.4	1
17	Constrained likelihood for reconstructing a directed acyclic Gaussian graph. Biometrika, 2019, 106, 109-125.	1.3	17
18	Application of deep convolutional neural networks in classification of protein subcellular localization with microscopy images. Genetic Epidemiology, 2019, 43, 330-341.	0.6	7

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19	A simple convolutional neural network for prediction of enhancer-promoter interactions with DNA sequence data. <i>Bioinformatics</i> , 2019, 35, 2899-2906.	1.8	50
20	A Group-Specific Recommender System. <i>Journal of the American Statistical Association</i> , 2017, 112, 1344-1353.	1.8	22
21	Word segmentation in Chinese language processing. <i>Statistics and Its Interface</i> , 2017, 10, 165-173.	0.2	12
22	Integrative and regularized principal component analysis of multiple sources of data. <i>Statistics in Medicine</i> , 2016, 35, 2235-2250.	0.8	11
23	Nonlinear joint latent variable models and integrative tumor subtype discovery. <i>Statistical Analysis and Data Mining</i> , 2016, 9, 106-116.	1.4	1
24	Estimation of multiple networks in Gaussian mixture models. <i>Electronic Journal of Statistics</i> , 2016, 10, 1133-1154.	0.4	24
25	Classification With Unstructured Predictors and an Application to Sentiment Analysis. <i>Journal of the American Statistical Association</i> , 2016, 111, 1242-1253.	1.8	9
26	A New Algorithm and Theory for Penalized Regression-based Clustering. <i>Journal of Machine Learning Research</i> , 2016, 17, .	62.4	4
27	A Novel Statistic for Global Association Testing Based on Penalized Regression. <i>Genetic Epidemiology</i> , 2015, 39, 415-426.	0.6	1
28	Adaptive Modeling Procedure Selection by Data Perturbation. <i>Journal of Business and Economic Statistics</i> , 2015, 33, 541-551.	1.8	1
29	Structural Pursuit Over Multiple Undirected Graphs. <i>Journal of the American Statistical Association</i> , 2014, 109, 1683-1696.	1.8	48
30	Penalized regression approaches to testing for quantitative trait-rare variant association. <i>Frontiers in Genetics</i> , 2014, 5, 121.	1.1	3
31	Comparison of statistical tests for group differences in brain functional networks. <i>NeuroImage</i> , 2014, 101, 681-694.	2.1	47
32	A Powerful and Adaptive Association Test for Rare Variants. <i>Genetics</i> , 2014, 197, 1081-1095.	1.2	150
33	Does the inclusion of rare variants improve risk prediction?. <i>BMC Proceedings</i> , 2014, 8, S94.	1.8	1
34	Testing for association with multiple traits in generalized estimation equations, with application to neuroimaging data. <i>NeuroImage</i> , 2014, 96, 309-325.	2.1	60
35	Longitudinal Analysis Is More Powerful than Cross-Sectional Analysis in Detecting Genetic Association with Neuroimaging Phenotypes. <i>PLoS ONE</i> , 2014, 9, e102312.	1.1	42
36	On constrained and regularized high-dimensional regression. <i>Annals of the Institute of Statistical Mathematics</i> , 2013, 65, 807-832.	0.5	43

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37	Penalized regression and risk prediction in genome-wide association studies. <i>Statistical Analysis and Data Mining</i> , 2013, 6, 315-328.	1.4	23
38	Cluster Analysis: Unsupervised Learning via Supervised Learning with a Non-convex Penalty. <i>Journal of Machine Learning Research</i> , 2013, 14, 1865.	62.4	27
39	Feature grouping and selection over an undirected graph. , 2012, , 922-930.		77
40	Likelihood-Based Selection and Sharp Parameter Estimation. <i>Journal of the American Statistical Association</i> , 2012, 107, 223-232.	1.8	172
41	Simultaneous supervised clustering and feature selection over a graph. <i>Biometrika</i> , 2012, 99, 899-914.	1.3	28
42	Optimal exact least squares rank minimization. , 2012, 2012, 480-488.		23
43	Maximum Likelihood Estimation Over Directed Acyclic Gaussian Graphs. <i>Statistical Analysis and Data Mining</i> , 2012, 5, 523-530.	1.4	5
44	Grouping Pursuit Through a Regularization Solution Surface. <i>Journal of the American Statistical Association</i> , 2010, 105, 727-739.	1.8	90
45	On Efficient Large Margin Semisupervised Learning: Method and Theory. <i>Journal of Machine Learning Research</i> , 2009, 10, 719-742.	62.4	21
46	Variable Selection in Penalized Model-Based Clustering Via Regularization on Grouped Parameters. <i>Biometrics</i> , 2008, 64, 921-930.	0.8	32
47	Probability estimation for large-margin classifiers. <i>Biometrika</i> , 2008, 95, 149-167.	1.3	53
48	On L1-Norm Multiclass Support Vector Machines. <i>Journal of the American Statistical Association</i> , 2007, 102, 583-594.	1.8	81
49	Multicategory $\tilde{\ell}_1$ -Learning. <i>Journal of the American Statistical Association</i> , 2006, 101, 500-509.	1.8	122
50	On L ₁ -Norm Multi-class Support Vector Machines. , 2006, , .		3
51	Optimal Model Assessment, Selection, and Combination. <i>Journal of the American Statistical Association</i> , 2006, 101, 554-568.	1.8	52
52	Free-knot Splines and Adaptive Knot Selection. <i>Journal of the Japan Statistical Society</i> , 2005, 35, 303-324.	0.1	16
53	Multicategory $\tilde{\ell}_1$ -Learning and Support Vector Machine: Computational Tools. <i>Journal of Computational and Graphical Statistics</i> , 2005, 14, 219-236.	0.9	93
54	Computational developments of $\tilde{\ell}_1$ -learning. , 2005, , .		8

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55	Inference After Model Selection. Journal of the American Statistical Association, 2004, 99, 751-762.	1.8	44
56	Adaptive Model Selection and Assessment for Exponential Family Distributions. Technometrics, 2004, 46, 306-317.	1.3	27
57	On $\tilde{\tau}$ -Learning. Journal of the American Statistical Association, 2003, 98, 724-734.	1.8	142
58	Adaptive Free-Knot Splines. Journal of Computational and Graphical Statistics, 2003, 12, 197-213.	0.9	32
59	A GM-based multi-layer method for object tracking in video sequences. , 2003, , .		1
60	Nonparametric Hypothesis Testing for a Spatial Signal. Journal of the American Statistical Association, 2002, 97, 1122-1140.	1.8	51
61	Asymptotic Normality of Semiparametric and Nonparametric Posterior Distributions. Journal of the American Statistical Association, 2002, 97, 222-235.	1.8	49
62	Adaptive Model Selection. Journal of the American Statistical Association, 2002, 97, 210-221.	1.8	147
63	Process modeling by Bayesian latent variable regression. AIChE Journal, 2002, 48, 1775-1793.	1.8	26
64	Bayesian principal component analysis. Journal of Chemometrics, 2002, 16, 576-595.	0.7	49
65	Spatially Adaptive Regression Splines and Accurate Knot Selection Schemes. Journal of the American Statistical Association, 2001, 96, 247-259.	1.8	91
66	Improving principal component analysis using Bayesian estimation. , 2001, , .		4
67	Linear Regression with Current Status Data. Journal of the American Statistical Association, 2000, 95, 842-852.	1.8	27
68	Random Sieve Likelihood and General Regression Models. Journal of the American Statistical Association, 1999, 94, 835-846.	1.8	16
69	Probability Inequalities for Likelihood Ratios and Convergence Rates of Sieve MLES. Annals of Statistics, 1995, 23, 339.	1.4	157
70	Convergence Rate of Sieve Estimates. Annals of Statistics, 1994, 22, 580.	1.4	243
71	Multiple Video Object Extraction Using Multi-Category $\tilde{\tau}$ -Learning. , 0, , .		1
72	Linear Regression with Current Status Data. , 0, .		6

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73	Random Sieve Likelihood and General Regression Models. , 0, .		4
74	Data Flush. , 0, , .		0