Ji Zhu

List of Publications by Year
in descending order

92 papers	7,923 citations	126907 33 h-index	74163 75 g-index
92 all docs	92 docs citations	92 times ranked	7254 citing authors

#	Article	IF	Citations
1	Sparsity and Smoothness Via the Fused Lasso. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2005, 67, 91-108.	2.2	1,757
2	Multi-class AdaBoost. Statistics and Its Interface, 2009, 2, 349-360.	0.3	1,170
3	Sparse permutation invariant covariance estimation. Electronic Journal of Statistics, 2008, 2, .	0.7	491
4	Partial Correlation Estimation by Joint Sparse Regression Models. Journal of the American Statistical Association, 2009, 104, 735-746.	3.1	469
5	Generalized Thresholding of Large Covariance Matrices. Journal of the American Statistical Association, 2009, 104, 177-186.	3.1	332
6	Joint estimation of multiple graphical models. Biometrika, 2011, 98, 1-15.	2.4	297
7	Piecewise linear regularized solution paths. Annals of Statistics, 2007, 35, 1012.	2.6	286
8	Kernel Logistic Regression and the Import Vector Machine. Journal of Computational and Graphical Statistics, 2005, 14, 185-205.	1.7	272
9	Sparse Multivariate Regression With Covariance Estimation. Journal of Computational and Graphical Statistics, 2010, 19, 947-962.	1.7	236
10	Consistency of community detection in networks under degree-corrected stochastic block models. Annals of Statistics, 2012, 40, .	2.6	218
11	L_1-Norm Quantile Regression. Journal of Computational and Graphical Statistics, 2008, 17, 163-185.	1.7	215
12	Quantile Regression in Reproducing Kernel Hilbert Spaces. Journal of the American Statistical Association, 2007, 102, 255-268.	3.1	148
13	Variable Selection for Model‐Based High‐Dimensional Clustering and Its Application to Microarray Data. Biometrics, 2008, 64, 440-448.	1.4	125
14	Variable Selection With the Strong Heredity Constraint and Its Oracle Property. Journal of the American Statistical Association, 2010, 105, 354-364.	3.1	107
15	Regularized Multivariate Regression for Identifying Master Predictors with Application to Integrative Genomics Study of Breast Cancer. , 2010, 4, 53-77.		102
16	Multivariate Sparse Group Lasso for the Multivariate Multiple Linear Regression with an Arbitrary Group Structure. Biometrics, 2015, 71, 354-363.	1.4	86
17	Predicting Hospitalization and Outpatient Corticosteroid Use in Inflammatory Bowel Disease Patients Using Machine Learning. Inflammatory Bowel Diseases, 2018, 24, 45-53.	1.9	79
18	Classification of gene microarrays by penalized logistic regression. Biostatistics, 2004, 5, 427-443.	1.5	76

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19	Assessment of a Deep Learning Model to Predict Hepatocellular Carcinoma in Patients With Hepatitis C Cirrhosis. JAMA Network Open, 2020, 3, e2015626.	5.9	75
20	Digestive Manifestations in Patients Hospitalized With Coronavirus Disease 2019. Clinical Gastroenterology and Hepatology, 2021, 19, 1355-1365.e4.	4.4	74
21	Group variable selection via a hierarchical lasso and its oracle property. Statistics and Its Interface, 2010, 3, 557-574.	0.3	68
22	Network cross-validation by edge sampling. Biometrika, 2020, 107, 257-276.	2.4	67
23	Pairwise Variable Selection for High‐Dimensional Model‐Based Clustering. Biometrics, 2010, 66, 793-804.	1.4	66
24	Community detection in networks with node features. Electronic Journal of Statistics, 2016, 10, .	0.7	64
25	Machine Learning Algorithms for Objective Remission and Clinical Outcomes with Thiopurines. Journal of Crohn's and Colitis, 2017, 11, 801-810.	1.3	64
26	Estimate ecotoxicity characterization factors for chemicals in life cycle assessment using machine learning models. Environment International, 2020, 135, 105393.	10.0	62
27	New multicategory boosting algorithms based on multicategory Fisher-consistent losses. Annals of Applied Statistics, 2008, 2, 1290-1306.	1.1	61
28	Hierarchically penalized Cox regression with grouped variables. Biometrika, 2009, 96, 307-322.	2.4	61
29	Development and Validation of Machine Learning Models in Prediction of Remission in Patients With Moderate to Severe Crohn Disease. JAMA Network Open, 2019, 2, e193721.	5.9	60
30	Machine learning models to predict disease progression among veterans with hepatitis C virus. PLoS ONE, 2019, 14, e0208141.	2.5	59
31	Predicting customer churn through interpersonal influence. Knowledge-Based Systems, 2012, 28, 97-104.	7.1	57
32	Predicting Corticosteroid-Free Biologic Remission with Vedolizumab in Crohn's Disease. Inflammatory Bowel Diseases, 2018, 24, 1185-1192.	1.9	49
33	Financial market forecasting using a two-step kernel learning method for the support vector regression. Annals of Operations Research, 2010, 174, 103-120.	4.1	42
34	A sparse ising model with covariates. Biometrics, 2014, 70, 943-953.	1.4	41
35	Estimating network edge probabilities by neighbourhood smoothing. Biometrika, 2017, 104, 771-783.	2.4	39
36	High-Dimensional Mixed Graphical Models. Journal of Computational and Graphical Statistics, 2017, 26, 367-378.	1.7	33

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37	Link Prediction for Partially Observed Networks. Journal of Computational and Graphical Statistics, 2017, 26, 725-733.	1.7	28
38	Urban Air Pollution Mapping Using Fleet Vehicles as Mobile Monitors and Machine Learning. Environmental Science & Technology, 2021, 55, 5579-5588.	10.0	27
39	Component-wise gradient boosting and false discovery control in survival analysis with high-dimensional covariates. Bioinformatics, 2016, 32, 50-57.	4.1	26
40	Graphical Models for Ordinal Data. Journal of Computational and Graphical Statistics, 2015, 24, 183-204.	1.7	25
41	Extracting the Globally and Locally Adaptive Backbone of Complex Networks. PLoS ONE, 2014, 9, e100428.	2.5	23
42	Skeleton of weighted social network. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 1547-1556.	2.6	20
43	Estimating heterogeneous graphical models for discrete data with an application to roll call voting. Annals of Applied Statistics, 2015, 9, 821-848.	1.1	19
44	A Transfer Learning Approach for Predictive Modeling of Degenerate Biological Systems. Technometrics, 2015, 57, 362-373.	1.9	19
45	Rapid Prediction of Chemical Ecotoxicity Through Genetic Algorithm Optimized Neural Network Models. ACS Sustainable Chemistry and Engineering, 2020, 8, 12168-12176.	6.7	18
46	Receiver responses to referral reward programs in social networks. Electronic Commerce Research, 2018, 18, 563-585.	5.0	16
47	Uncovering Biological Factors That Regulate Hepatocellular Carcinoma Growth Using Patientâ€Derived Xenograft Assays. Hepatology, 2020, 72, 1085-1101.	7.3	16
48	Using Maximum Entry-Wise Deviation to Test the Goodness of Fit for Stochastic Block Models. Journal of the American Statistical Association, 2021, 116, 1373-1382.	3.1	13
49	BOOSTED DECISION TREES, A POWERFUL EVENT CLASSIFIER. , 2006, , .		13
50	Covariance-enhanced discriminant analysis. Biometrika, 2015, 102, 33-45.	2.4	12
51	Identification of correlated genetic variants jointly associated with rheumatoid arthritis using ridge regression. BMC Proceedings, 2009, 3, S67.	1.6	10
52	Covariance-insured screening. Computational Statistics and Data Analysis, 2019, 132, 100-114.	1.2	10
53	Doubly regularized estimation and selection in linear mixed-effects models for high-dimensional longitudinal data. Statistics and Its Interface, 2018, 11, 721-737.	0.3	10
54	Classification of ADNI PET images via regularized 3D functional data analysis. Biostatistics and Epidemiology, 2017, 1, 3-19.	0.4	9

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55	External Validation of a Thiopurine Monitoring Algorithm on the SONIC Clinical Trial Dataset. Clinical Gastroenterology and Hepatology, 2018, 16, 449-451.	4.4	9
56	Optimizing hepatitis B virus screening in the United States using a simple demographics–based model. Hepatology, 2022, 75, 430-437.	7.3	9
57	Image denoising via solution paths. Annals of Operations Research, 2010, 174, 3-17.	4.1	7
58	Drawing Inferences for High-Dimensional Linear Models: A Selection-Assisted Partial Regression and Smoothing Approach. Biometrics, 2019, 75, 551-561.	1.4	6
59	Effects of Random Measurement Error on Lung Cancer Screening Decisions. Chest, 2021, 159, 853-861.	0.8	6
60	Joint latent space models for network data with high-dimensional node variables. Biometrika, 2022, 109, 707-720.	2.4	6
61	Modeling Time-Varying Effects With Large-Scale Survival Data: An Efficient Quasi-Newton Approach. Journal of Computational and Graphical Statistics, 2017, 26, 635-645.	1.7	5
62	More accurate semiparametric regression in pharmacogenomics. Statistics and Its Interface, 2018, 11, 573-580.	0.3	5
63	Variation in Provider Connectedness Associates With Outcomes of Inflammatory Bowel Diseases in an Analysis of Data From a National Health System. Clinical Gastroenterology and Hepatology, 2021, 19, 2302-2311.e1.	4.4	5
64	Bayesian Inferences on Neural Activity in EEG-Based Brain-Computer Interface. Journal of the American Statistical Association, 2022, 117, 1122-1133.	3.1	5
65	Regularized Semiparametric Estimation for Ordinary Differential Equations. Technometrics, 2015, 57, 341-350.	1.9	4
66	MuSP: A multistep screening procedure for sparse recovery. Stat, 2021, 10, .	0.4	4
67	Stratified Cox models with time–varying effects for national kidney transplant patients: A new blockwise steepest ascent method. Biometrics, 2022, 78, 1221-1232.	1.4	4
68	Fast Network Community Detection With Profile-Pseudo Likelihood Methods. Journal of the American Statistical Association, 2023, 118, 1359-1372.	3.1	4
69	Corrected proof of the result of 'A prediction error property of the Lasso estimator and its generalization' by Huang (2003). Australian and New Zealand Journal of Statistics, 2004, 46, 505-510.	0.9	3
70	Comment: Ridge Regression, Ranking Variables and Improved Principal Component Regression. Technometrics, 2020, 62, 451-455.	1.9	3
71	Replicating prediction algorithms for hospitalization and corticosteroid use in patients with inflammatory bowel disease. PLoS ONE, 2021, 16, e0257520.	2.5	3
72	A Semi-supervised SVM for Manifold Learning. , 2006, , .		2

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73	Utilizing public health data to geotarget hepatitis C virus elimination approaches in urban and rural Michigan. Journal of Viral Hepatitis, 2021, 28, 440-444.	2.0	2
74	Variation in model performance by data cleanliness and classification methods in the prediction of 30-day ICU mortality, a US nationwide retrospective cohort and simulation study. BMJ Open, 2020, 10, e041421.	1.9	2
75	Reinforcement learning evaluation of treatment policies for patients with hepatitis C virus. BMC Medical Informatics and Decision Making, 2022, 22, 63.	3.0	2
76	Comment: Model Selection With Strong and Weak Heredity Constraints. Technometrics, 2014, 56, 21-22.	1.9	1
77	Semiâ€supervised joint learning for longitudinal clinical events classification using neural network models. Stat, 2020, 9, e305.	0.4	1
78	Rejoinder: â€˜Network cross-validation by edge samplingâ€™. Biometrika, 2020, 107, 289-292.	2.4	1
79	Survival Analysis via Ordinary Differential Equations. Journal of the American Statistical Association, 2023, 118, 2406-2421.	3.1	1
80	Adapted time-varying covariates Cox model for predicting future cirrhosis development performs well in a large hepatitis C cohort. BMC Medical Informatics and Decision Making, 2021, 21, 347.	3.0	1
81	Pathway Detection Based on Hierarchical LASSO Regression Model. , 2009, , .		0
82	Response to â€˜The end of the dosage of 6 Thioguanine nucleotides? Not so sureâ€¦â€™. Journal of Crohn's and Colitis, 2018, 12, 127-127.	1.3	0
83	A two-step method for estimating high-dimensional Gaussian graphical models. Science China Mathematics, 2020, 63, 1203-1218.	1.7	0
84	A structured brainâ€wide and genomeâ€wide association study using ADNI PET images. Canadian Journal of Statistics, 2021, 49, 182-202.	0.9	0
85	Assessing Clinical Disease Recurrence Using Laboratory Data in Surgically Resected Patients From the TOPPIC Trial. Crohn's & Colitis 360, 2020, 2, .	1.1	0
86	Title is missing!. , 2020, 15, e0221606.		0
87	Title is missing!. , 2020, 15, e0221606.		0
88	Title is missing!. , 2020, 15, e0221606.		0
89	Title is missing!. , 2020, 15, e0221606.		0
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91	Title is missing!. , 2020, 15, e0221606.		0
92	Discussion of â€œCo-citation and Co-authorship Networks of Statisticiansâ€•by Pengsheng Ji, Jiashun Jin, Zheng Tracy Ke, and Wanshan Li. Journal of Business and Economic Statistics, 2022, 40, 492-493.	2.9	0