

Ji Zhu

List of Publications by Year in descending order

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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	Fast Network Community Detection With Profile-Pseudo Likelihood Methods. <i>Journal of the American Statistical Association</i> , 2023, 118, 1359-1372.	3.1	4
2	Survival Analysis via Ordinary Differential Equations. <i>Journal of the American Statistical Association</i> , 2023, 118, 2406-2421.	3.1	1
3	Stratified Cox models with time-varying effects for national kidney transplant patients: A new blockwise steepest ascent method. <i>Biometrics</i> , 2022, 78, 1221-1232.	1.4	4
4	Optimizing hepatitis B virus screening in the United States using a simple demographics-based model. <i>Hepatology</i> , 2022, 75, 430-437.	7.3	9
5	Bayesian Inferences on Neural Activity in EEG-Based Brain-Computer Interface. <i>Journal of the American Statistical Association</i> , 2022, 117, 1122-1133.	3.1	5
6	Reinforcement learning evaluation of treatment policies for patients with hepatitis C virus. <i>BMC Medical Informatics and Decision Making</i> , 2022, 22, 63.	3.0	2
7	Joint latent space models for network data with high-dimensional node variables. <i>Biometrika</i> , 2022, 109, 707-720.	2.4	6
8	Discussion of "Co-citation and Co-authorship Networks of Statisticians" by Pengsheng Ji, Jiashun Jin, Zheng Tracy Ke, and Wanshan Li. <i>Journal of Business and Economic Statistics</i> , 2022, 40, 492-493.	2.9	0
9	Digestive Manifestations in Patients Hospitalized With Coronavirus Disease 2019. <i>Clinical Gastroenterology and Hepatology</i> , 2021, 19, 1355-1365.e4.	4.4	74
10	Using Maximum Entry-Wise Deviation to Test the Goodness of Fit for Stochastic Block Models. <i>Journal of the American Statistical Association</i> , 2021, 116, 1373-1382.	3.1	13
11	Utilizing public health data to geotarget hepatitis C virus elimination approaches in urban and rural Michigan. <i>Journal of Viral Hepatitis</i> , 2021, 28, 440-444.	2.0	2
12	Effects of Random Measurement Error on Lung Cancer Screening Decisions. <i>Chest</i> , 2021, 159, 853-861.	0.8	6
13	A structured brain-wide and genome-wide association study using ADNI PET images. <i>Canadian Journal of Statistics</i> , 2021, 49, 182-202.	0.9	0
14	MuSP: A multistep screening procedure for sparse recovery. <i>Stat</i> , 2021, 10, .	0.4	4
15	Urban Air Pollution Mapping Using Fleet Vehicles as Mobile Monitors and Machine Learning. <i>Environmental Science & Technology</i> , 2021, 55, 5579-5588.	10.0	27
16	Replicating prediction algorithms for hospitalization and corticosteroid use in patients with inflammatory bowel disease. <i>PLoS ONE</i> , 2021, 16, e0257520.	2.5	3
17	Variation in Provider Connectedness Associates With Outcomes of Inflammatory Bowel Diseases in an Analysis of Data From a National Health System. <i>Clinical Gastroenterology and Hepatology</i> , 2021, 19, 2302-2311.e1.	4.4	5
18	Adapted time-varying covariates Cox model for predicting future cirrhosis development performs well in a large hepatitis C cohort. <i>BMC Medical Informatics and Decision Making</i> , 2021, 21, 347.	3.0	1

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19	Estimate ecotoxicity characterization factors for chemicals in life cycle assessment using machine learning models. <i>Environment International</i> , 2020, 135, 105393.	10.0	62
20	Uncovering Biological Factors That Regulate Hepatocellular Carcinoma Growth Using Patient-Derived Xenograft Assays. <i>Hepatology</i> , 2020, 72, 1085-1101.	7.3	16
21	Rapid Prediction of Chemical Ecotoxicity Through Genetic Algorithm Optimized Neural Network Models. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12168-12176.	6.7	18
22	Comment: Ridge Regression, Ranking Variables and Improved Principal Component Regression. <i>Technometrics</i> , 2020, 62, 451-455.	1.9	3
23	Assessment of a Deep Learning Model to Predict Hepatocellular Carcinoma in Patients With Hepatitis C Cirrhosis. <i>JAMA Network Open</i> , 2020, 3, e2015626.	5.9	75
24	Semi-supervised joint learning for longitudinal clinical events classification using neural network models. <i>Stat</i> , 2020, 9, e305.	0.4	1
25	Rejoinder: "Network cross-validation by edge sampling"™. <i>Biometrika</i> , 2020, 107, 289-292.	2.4	1
26	A two-step method for estimating high-dimensional Gaussian graphical models. <i>Science China Mathematics</i> , 2020, 63, 1203-1218.	1.7	0
27	Network cross-validation by edge sampling. <i>Biometrika</i> , 2020, 107, 257-276.	2.4	67
28	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. <i>BMJ Open</i> , 2020, 10, e041421.	1.9	2
29	Assessing Clinical Disease Recurrence Using Laboratory Data in Surgically Resected Patients From the TOPPIC Trial. <i>Crohn's & Colitis 360</i> , 2020, 2, .	1.1	0
30	Title is missing!. , 2020, 15, e0221606.		0
31	Title is missing!. , 2020, 15, e0221606.		0
32	Title is missing!. , 2020, 15, e0221606.		0
33	Title is missing!. , 2020, 15, e0221606.		0
34	Title is missing!. , 2020, 15, e0221606.		0
35	Title is missing!. , 2020, 15, e0221606.		0
36	Development and Validation of Machine Learning Models in Prediction of Remission in Patients With Moderate to Severe Crohn Disease. <i>JAMA Network Open</i> , 2019, 2, e193721.	5.9	60

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37	Drawing Inferences for High-Dimensional Linear Models: A Selection-Assisted Partial Regression and Smoothing Approach. <i>Biometrics</i> , 2019, 75, 551-561.	1.4	6
38	Machine learning models to predict disease progression among veterans with hepatitis C virus. <i>PLoS ONE</i> , 2019, 14, e0208141.	2.5	59
39	Covariance-insured screening. <i>Computational Statistics and Data Analysis</i> , 2019, 132, 100-114.	1.2	10
40	Predicting Corticosteroid-Free Biologic Remission with Vedolizumab in Crohn's Disease. <i>Inflammatory Bowel Diseases</i> , 2018, 24, 1185-1192.	1.9	49
41	Response to "The end of the dosage of 6 Thioguanine nucleotides? Not so sure". <i>Journal of Crohn's and Colitis</i> , 2018, 12, 127-127.	1.3	0
42	Predicting Hospitalization and Outpatient Corticosteroid Use in Inflammatory Bowel Disease Patients Using Machine Learning. <i>Inflammatory Bowel Diseases</i> , 2018, 24, 45-53.	1.9	79
43	Receiver responses to referral reward programs in social networks. <i>Electronic Commerce Research</i> , 2018, 18, 563-585.	5.0	16
44	External Validation of a Thiopurine Monitoring Algorithm on the SONIC Clinical Trial Dataset. <i>Clinical Gastroenterology and Hepatology</i> , 2018, 16, 449-451.	4.4	9
45	Doubly regularized estimation and selection in linear mixed-effects models for high-dimensional longitudinal data. <i>Statistics and Its Interface</i> , 2018, 11, 721-737.	0.3	10
46	More accurate semiparametric regression in pharmacogenomics. <i>Statistics and Its Interface</i> , 2018, 11, 573-580.	0.3	5
47	Link Prediction for Partially Observed Networks. <i>Journal of Computational and Graphical Statistics</i> , 2017, 26, 725-733.	1.7	28
48	Classification of ADNI PET images via regularized 3D functional data analysis. <i>Biostatistics and Epidemiology</i> , 2017, 1, 3-19.	0.4	9
49	Machine Learning Algorithms for Objective Remission and Clinical Outcomes with Thiopurines. <i>Journal of Crohn's and Colitis</i> , 2017, 11, 801-810.	1.3	64
50	High-Dimensional Mixed Graphical Models. <i>Journal of Computational and Graphical Statistics</i> , 2017, 26, 367-378.	1.7	33
51	Modeling Time-Varying Effects With Large-Scale Survival Data: An Efficient Quasi-Newton Approach. <i>Journal of Computational and Graphical Statistics</i> , 2017, 26, 635-645.	1.7	5
52	Estimating network edge probabilities by neighbourhood smoothing. <i>Biometrika</i> , 2017, 104, 771-783.	2.4	39
53	Component-wise gradient boosting and false discovery control in survival analysis with high-dimensional covariates. <i>Bioinformatics</i> , 2016, 32, 50-57.	4.1	26
54	Community detection in networks with node features. <i>Electronic Journal of Statistics</i> , 2016, 10, .	0.7	64

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55	Estimating heterogeneous graphical models for discrete data with an application to roll call voting. <i>Annals of Applied Statistics</i> , 2015, 9, 821-848.	1.1	19
56	Graphical Models for Ordinal Data. <i>Journal of Computational and Graphical Statistics</i> , 2015, 24, 183-204.	1.7	25
57	Covariance-enhanced discriminant analysis. <i>Biometrika</i> , 2015, 102, 33-45.	2.4	12
58	Regularized Semiparametric Estimation for Ordinary Differential Equations. <i>Technometrics</i> , 2015, 57, 341-350.	1.9	4
59	Multivariate Sparse Group Lasso for the Multivariate Multiple Linear Regression with an Arbitrary Group Structure. <i>Biometrics</i> , 2015, 71, 354-363.	1.4	86
60	A Transfer Learning Approach for Predictive Modeling of Degenerate Biological Systems. <i>Technometrics</i> , 2015, 57, 362-373.	1.9	19
61	Comment: Model Selection With Strong and Weak Heredity Constraints. <i>Technometrics</i> , 2014, 56, 21-22.	1.9	1
62	A sparse ising model with covariates. <i>Biometrics</i> , 2014, 70, 943-953.	1.4	41
63	Extracting the Globally and Locally Adaptive Backbone of Complex Networks. <i>PLoS ONE</i> , 2014, 9, e100428.	2.5	23
64	Skeleton of weighted social network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 1547-1556.	2.6	20
65	Consistency of community detection in networks under degree-corrected stochastic block models. <i>Annals of Statistics</i> , 2012, 40, .	2.6	218
66	Predicting customer churn through interpersonal influence. <i>Knowledge-Based Systems</i> , 2012, 28, 97-104.	7.1	57
67	Joint estimation of multiple graphical models. <i>Biometrika</i> , 2011, 98, 1-15.	2.4	297
68	Regularized Multivariate Regression for Identifying Master Predictors with Application to Integrative Genomics Study of Breast Cancer. , 2010, 4, 53-77.		102
69	Image denoising via solution paths. <i>Annals of Operations Research</i> , 2010, 174, 3-17.	4.1	7
70	Financial market forecasting using a two-step kernel learning method for the support vector regression. <i>Annals of Operations Research</i> , 2010, 174, 103-120.	4.1	42
71	Pairwise Variable Selection for High-Dimensional Model-Based Clustering. <i>Biometrics</i> , 2010, 66, 793-804.	1.4	66
72	Variable Selection With the Strong Heredity Constraint and Its Oracle Property. <i>Journal of the American Statistical Association</i> , 2010, 105, 354-364.	3.1	107

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73	Sparse Multivariate Regression With Covariance Estimation. Journal of Computational and Graphical Statistics, 2010, 19, 947-962.	1.7	236
74	Group variable selection via a hierarchical lasso and its oracle property. Statistics and Its Interface, 2010, 3, 557-574.	0.3	68
75	Pathway Detection Based on Hierarchical LASSO Regression Model. , 2009, , .		0
76	Hierarchically penalized Cox regression with grouped variables. Biometrika, 2009, 96, 307-322.	2.4	61
77	Generalized Thresholding of Large Covariance Matrices. Journal of the American Statistical Association, 2009, 104, 177-186.	3.1	332
78	Identification of correlated genetic variants jointly associated with rheumatoid arthritis using ridge regression. BMC Proceedings, 2009, 3, S67.	1.6	10
79	Partial Correlation Estimation by Joint Sparse Regression Models. Journal of the American Statistical Association, 2009, 104, 735-746.	3.1	469
80	Multi-class AdaBoost. Statistics and Its Interface, 2009, 2, 349-360.	0.3	1,170
81	Variable Selection for Model-Based High-Dimensional Clustering and Its Application to Microarray Data. Biometrics, 2008, 64, 440-448.	1.4	125
82	Sparse permutation invariant covariance estimation. Electronic Journal of Statistics, 2008, 2, .	0.7	491
83	L_1 -Norm Quantile Regression. Journal of Computational and Graphical Statistics, 2008, 17, 163-185.	1.7	215
84	New multcategory boosting algorithms based on multcategory Fisher-consistent losses. Annals of Applied Statistics, 2008, 2, 1290-1306.	1.1	61
85	Quantile Regression in Reproducing Kernel Hilbert Spaces. Journal of the American Statistical Association, 2007, 102, 255-268.	3.1	148
86	Piecewise linear regularized solution paths. Annals of Statistics, 2007, 35, 1012.	2.6	286
87	A Semi-supervised SVM for Manifold Learning. , 2006, , .		2
88	BOOSTED DECISION TREES, A POWERFUL EVENT CLASSIFIER. , 2006, , .		13
89	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
90	Kernel Logistic Regression and the Import Vector Machine. Journal of Computational and Graphical Statistics, 2005, 14, 185-205.	1.7	272

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91	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
92	Classification of gene microarrays by penalized logistic regression. Biostatistics, 2004, 5, 427-443.	1.5	76