

Jiguo Cao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1157324/publications.pdf>

Version: 2024-02-01

69
papers

864
citations

535685

17
h-index

620720

26
g-index

70
all docs

70
docs citations

70
times ranked

969
citing authors

#	ARTICLE	IF	CITATIONS
1	A Dynamic Interaction Semiparametric Function-on-Scalar Model. <i>Journal of the American Statistical Association</i> , 2023, 118, 360-373.	1.8	4
2	Predicting the onset of breast cancer using mammogram imaging data with irregular boundary. <i>Biostatistics</i> , 2023, 24, 358-371.	0.9	10
3	Supervised Two-Dimensional Functional Principal Component Analysis with Time-to-Event Outcomes and Mammogram Imaging Data. <i>Biometrics</i> , 2023, 79, 1359-1369.	0.8	10
4	Deep Learning With Functional Inputs. <i>Journal of Computational and Graphical Statistics</i> , 2023, 32, 171-180.	0.9	5
5	A Bayesian spatial model for imaging genetics. <i>Biometrics</i> , 2022, 78, 742-753.	0.8	2
6	Robust estimation and variable selection for function-on-scalar regression. <i>Canadian Journal of Statistics</i> , 2022, 50, 162-179.	0.6	3
7	Variable Selection for Multiple Function-on-Function Linear Regression. <i>Statistica Sinica</i> , 2022, , .	0.2	2
8	A functional proportional hazard cure rate model for interval-censored data. <i>Statistical Methods in Medical Research</i> , 2022, 31, 154-168.	0.7	2
9	Two-Dimensional Functional Principal Component Analysis for Image Feature Extraction. <i>Journal of Computational and Graphical Statistics</i> , 2022, 31, 1127-1140.	0.9	4
10	Recovering the underlying trajectory from sparse and irregular longitudinal data. <i>Canadian Journal of Statistics</i> , 2022, 50, 122-141.	0.6	6
11	Reference equations for pulmonary diffusing capacity using segmented regression show similar predictive accuracy as GAMLSS models. <i>BMJ Open Respiratory Research</i> , 2022, 9, e001087.	1.2	3
12	Robust Functional Principal Component Analysis Based on a New Regression Framework. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2022, 27, 523-543.	0.7	3
13	In-game win probabilities for the National Rugby League. <i>Annals of Applied Statistics</i> , 2022, 16, .	0.5	4
14	Sparse functional partial least squares regression with a locally sparse slope function. <i>Statistics and Computing</i> , 2022, 32, 1.	0.8	2
15	Machine Learning Based Multimodal Neuroimaging Genomics Dementia Score for Predicting Future Conversion to Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2022, 87, 1345-1365.	1.2	7
16	Dynamic prediction with time-dependent marker in survival analysis using supervised functional principal component analysis. <i>Statistics in Medicine</i> , 2022, , .	0.8	0
17	Functional principal component analysis for longitudinal data with informative dropout. <i>Statistics in Medicine</i> , 2021, 40, 712-724.	0.8	10
18	uTPI: A utility-based toxicity probability interval design for phase I/II dose-finding trials. <i>Statistics in Medicine</i> , 2021, 40, 2626-2649.	0.8	8

#	ARTICLE	IF	CITATIONS
19	Semiparametric Mixed-Effects Ordinary Differential Equation Models with Heavy-Tailed Distributions. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2021, 26, 428-445.	0.7	0
20	Early diagnosis of Alzheimer's disease on ADNI data using novel longitudinal score based on functional principal component analysis. <i>Journal of Medical Imaging</i> , 2021, 8, 024502.	0.8	4
21	Functional joint models for chronic kidney disease in kidney transplant recipients. <i>Statistical Methods in Medical Research</i> , 2021, 30, 1932-1943.	0.7	3
22	Robust penalized M-estimation for functional linear regression. <i>Stat</i> , 2021, 10, e390.	0.3	5
23	Short-term impacts of ambient fine particulate matter on emergency department visits: Comparative analysis of three exposure metrics. <i>Chemosphere</i> , 2020, 241, 125012.	4.2	18
24	Sparse functional principal component analysis in a new regression framework. <i>Computational Statistics and Data Analysis</i> , 2020, 152, 107016.	0.7	11
25	Estimating Truncated Functional Linear Models With a Nested Group Bridge Approach. <i>Journal of Computational and Graphical Statistics</i> , 2020, 29, 620-628.	0.9	7
26	Functional single-index quantile regression models. <i>Statistics and Computing</i> , 2020, 30, 771-781.	0.8	12
27	Estimating time-varying directed neural networks. <i>Statistics and Computing</i> , 2020, 30, 1209-1220.	0.8	1
28	A Functional Single Index Model. <i>Statistica Sinica</i> , 2020, , .	0.2	1
29	Spectral dynamic causal modelling of resting-state fMRI: an exploratory study relating effective brain connectivity in the default mode network to genetics. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2020, 19, .	0.2	3
30	Joint modelling for organ transplantation outcomes for patients with diabetes and the end-stage renal disease. <i>Statistical Methods in Medical Research</i> , 2019, 28, 2724-2737.	0.7	3
31	Bayesian inference of mixed-effects ordinary differential equations models using heavy-tailed distributions. <i>Computational Statistics and Data Analysis</i> , 2019, 137, 233-246.	0.7	4
32	Weighted empirical likelihood inference for dynamical correlations. <i>Computational Statistics and Data Analysis</i> , 2019, 131, 194-206.	0.7	7
33	Quantitative assessment of field strength, total intracranial volume, sex, and age effects on the goodness of harmonization for volumetric analysis on the ADNI database. <i>Human Brain Mapping</i> , 2019, 40, 1507-1527.	1.9	35
34	Modeling and Prediction of Multiple Correlated Functional Outcomes. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2019, 24, 112-129.	0.7	1
35	Statisticians can do better in the big data era. <i>Statistics and Probability Letters</i> , 2018, 136, 146-147.	0.4	1
36	Bayesian estimation of ordinary differential equation models when the likelihood has multiple local modes. <i>Monte Carlo Methods and Applications</i> , 2018, 24, 117-127.	0.3	2

#	ARTICLE	IF	CITATIONS
37	Supervised functional principal component analysis. <i>Statistics and Computing</i> , 2018, 28, 713-723.	0.8	19
38	Functional principal component analysis of glomerular filtration rate curves after kidney transplant. <i>Statistical Methods in Medical Research</i> , 2018, 27, 3785-3796.	0.7	19
39	Sparse estimation for functional semiparametric additive models. <i>Journal of Multivariate Analysis</i> , 2018, 168, 105-118.	0.5	9
40	Locally Sparse Estimator for Functional Linear Regression Models. <i>Journal of Computational and Graphical Statistics</i> , 2017, 26, 306-318.	0.9	41
41	Parametric Functional Principal Component Analysis. <i>Biometrics</i> , 2017, 73, 802-810.	0.8	17
42	Standardisation and application of the single-breath determination of nitric oxide uptake in the lung. <i>European Respiratory Journal</i> , 2017, 49, 1600962.	3.1	94
43	Estimating Time-Varying Directed Gene Regulation Networks. <i>Biometrics</i> , 2017, 73, 1231-1242.	0.8	12
44	Estimating Varying Coefficients for Partial Differential Equation Models. <i>Biometrics</i> , 2017, 73, 949-959.	0.8	6
45	Functional Mapping of Multiple Dynamic Traits. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2017, 22, 60-75.	0.7	2
46	Finding Common Modules in a Time-Varying Network with Application to the <i>Drosophila Melanogaster</i> Gene Regulation Network. <i>Journal of the American Statistical Association</i> , 2017, 112, 994-1008.	1.8	16
47	Estimating functional linear mixed-effects regression models. <i>Computational Statistics and Data Analysis</i> , 2017, 106, 153-164.	0.7	14
48	Cross-modal Association between Auditory and Visuospatial Information in Mandarin Tone Perception in Noise by Native and Non-native Perceivers. <i>Frontiers in Psychology</i> , 2017, 8, 2051.	1.1	18
49	Interpretable Functional Principal Component Analysis. <i>Biometrics</i> , 2016, 72, 846-854.	0.8	26
50	Comments on: Probability enhanced effective dimension reduction for classifying sparse functional data. <i>Test</i> , 2016, 25, 33-34.	0.7	0
51	On the Selection of Ordinary Differential Equation Models with Application to Predator-Prey Dynamical Models. <i>Biometrics</i> , 2015, 71, 131-138.	0.8	14
52	Lightning-caused forest fire risk in Northwestern Ontario, Canada, is increasing and associated with anomalies in fire weather. <i>Environmetrics</i> , 2014, 25, 406-416.	0.6	28
53	Analysis of Variance of Integro-Differential Equations with Application to Population Dynamics of Cotton Aphids. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2013, 18, 475-491.	0.7	2
54	Estimating the intensity of ward admission and its effect on emergency department access block. <i>Statistics in Medicine</i> , 2013, 32, 2681-2694.	0.8	24

#	ARTICLE	IF	CITATIONS
55	Penalized Nonlinear Least Squares Estimation of Time-Varying Parameters in Ordinary Differential Equations. <i>Journal of Computational and Graphical Statistics</i> , 2012, 21, 42-56.	0.9	33
56	Estimating Parameters in Delay Differential Equation Models. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2012, 17, 68-83.	0.7	11
57	Estimating generalized semiparametric additive models using parameter cascading. <i>Statistics and Computing</i> , 2012, 22, 857-865.	0.8	2
58	Estimating curves and derivatives with parametric penalized spline smoothing. <i>Statistics and Computing</i> , 2012, 22, 1059-1067.	0.8	8
59	Modeling Gene Regulation Networks Using Ordinary Differential Equations. <i>Methods in Molecular Biology</i> , 2012, 802, 185-197.	0.4	41
60	Exploring Spatial and Temporal Variations of Cadmium Concentrations in Pacific Oysters from British Columbia. <i>Biometrics</i> , 2011, 67, 1142-1152.	0.8	7
61	Robust Estimation for Ordinary Differential Equation Models. <i>Biometrics</i> , 2011, 67, 1305-1313.	0.8	33
62	Blockwise empirical likelihood for time series of counts. <i>Journal of Multivariate Analysis</i> , 2011, 102, 661-673.	0.5	19
63	Signal Classification Using Random Forest with Kernels. , 2010, , .		3
64	Functional data classification for temporal gene expression data with kernel-induced random forests. , 2010, , .		6
65	Estimating a Predator-Prey Dynamical Model with the Parameter Cascades Method. <i>Biometrics</i> , 2008, 64, 959-967.	0.8	41
66	Estimating dynamic models for gene regulation networks. <i>Bioinformatics</i> , 2008, 24, 1619-1624.	1.8	40
67	Parameter cascades and profiling in functional data analysis. <i>Computational Statistics</i> , 2007, 22, 335-351.	0.8	28
68	An S-Plus function to calculate relative risks and adjusted means for regression models using natural splines. <i>Computer Methods and Programs in Biomedicine</i> , 2006, 84, 58-62.	2.6	27
69	Stopping time detection of wood panel compression: A functional time-series approach. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 0, , .	0.5	1