

Jun Zhu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8330792/publications.pdf>

Version: 2024-02-01

51
papers

2,002
citations

361296

20
h-index

265120

42
g-index

52
all docs

52
docs citations

52
times ranked

3593
citing authors

#	ARTICLE	IF	CITATIONS
1	Large spatial data modeling and analysis: A Krylov subspace approach. <i>Scandinavian Journal of Statistics</i> , 2022, 49, 1115-1143.	0.9	0
2	The number of tree species on Earth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	86
3	Sound source localization patterns and bilateral cochlear implants: Age at onset of deafness effects. <i>PLoS ONE</i> , 2022, 17, e0263516.	1.1	1
4	Statistical tests for non-independent partitions of large autocorrelated datasets. <i>MethodsX</i> , 2022, 9, 101660.	0.7	3
5	A comprehensive analysis comparing linear and generalized linear models in detecting adaptive SNPs. <i>Molecular Ecology Resources</i> , 2021, 21, 733-744.	2.2	11
6	Clustered spatio-temporal varying coefficient regression model. <i>Statistics in Medicine</i> , 2021, 40, 465-480.	0.8	8
7	Composite likelihood inference for ordinal periodontal data with replicated spatial patterns. <i>Statistics in Medicine</i> , 2021, 40, 5871-5893.	0.8	0
8	Statistical inference for trends in spatiotemporal data. <i>Remote Sensing of Environment</i> , 2021, 266, 112678.	4.6	23
9	Spatial process decomposition for quantitative imaging biomarkers using multiple images of varying shapes. <i>Statistics in Medicine</i> , 2021, 40, 1243-1261.	0.8	1
10	A heterogeneity measure for cluster identification with application to disease mapping. <i>Biometrics</i> , 2020, 76, 403-413.	0.8	3
11	Spatio-Temporal Expanding Distance Asymptotic Framework for Locally Stationary Processes. <i>Sankhya A</i> , 2020, , 1.	0.4	0
12	On spline-based approaches to spatial linear regression for geostatistical data. <i>Environmental and Ecological Statistics</i> , 2020, 27, 175-202.	1.9	4
13	Relationships between conifer constitutive and inducible defenses against bark beetles change across levels of biological and ecological scale. <i>Oikos</i> , 2020, 129, 1093-1107.	1.2	12
14	Artificial intelligence and avian influenza: Using machine learning to enhance active surveillance for avian influenza viruses. <i>Transboundary and Emerging Diseases</i> , 2019, 66, 2537-2545.	1.3	14
15	Spatial Regression Analysis of Poverty in R. <i>Spatial Demography</i> , 2019, 7, 113-147.	0.4	5
16	On a Semiparametric Data-Driven Nonlinear Model with Penalized Spatio-Temporal Lag Interactions. <i>Journal of Time Series Analysis</i> , 2019, 40, 327-342.	0.7	3
17	Spatial Regression Analysis of Poverty in R. <i>Spatial Demography</i> , 2019, 7, 113-147.	0.0	0
18	A retrospective on the accuracy and precision of plotless forest density estimators in ecological studies. <i>Ecosphere</i> , 2018, 9, e02187.	1.0	24

#	ARTICLE	IF	CITATIONS
19	Sampling Strategies for Accurate Hazard Mapping of Noise and Other Hazards Using Short-Duration Measurements. <i>Annals of Work Exposures and Health</i> , 2017, 61, 183-194.	0.6	4
20	Spatial and temporal components of induced plant responses in the context of herbivore life history and impact on host. <i>Functional Ecology</i> , 2017, 31, 2034-2050.	1.7	23
21	Uncertainty of a detected spatial cluster in 1D: quantification and visualization. <i>Stat</i> , 2017, 6, 345-359.	0.3	5
22	Composite likelihood approach to the regression analysis of spatial multivariate ordinal data and spatial compositional data with exact zero values. <i>Environmental and Ecological Statistics</i> , 2017, 24, 39-68.	1.9	3
23	Cluster detection of spatial regression coefficients. <i>Statistics in Medicine</i> , 2017, 36, 1118-1133.	0.8	23
24	Identifying Field Attributes that Predict Soybean Yield Using Random Forest Analysis. <i>Agronomy Journal</i> , 2016, 108, 637-646.	0.9	35
25	Effects of Climate and Sewer Condition on Virus Transport to Groundwater. <i>Environmental Science & Technology</i> , 2016, 50, 8497-8504.	4.6	32
26	Positive biodiversity-productivity relationship predominant in global forests. <i>Science</i> , 2016, 354, .	6.0	864
27	Human and Bovine Viruses and Bacteria at Three Great Lakes Beaches: Environmental Variable Associations and Health Risk. <i>Environmental Science & Technology</i> , 2016, 50, 987-995.	4.6	31
28	Statistically-Estimated Tree Composition for the Northeastern United States at Euro-American Settlement. <i>PLoS ONE</i> , 2016, 11, e0150087.	1.1	25
29	Composite likelihood estimation for models of spatial ordinal data and spatial proportional data with zero/one values. <i>Environmetrics</i> , 2014, 25, 571-583.	0.6	9
30	Movement-Based Estimation and Visualization of Space Use in 3D for Wildlife Ecology and Conservation. <i>PLoS ONE</i> , 2014, 9, e101205.	1.1	48
31	On Estimation and Selection of Autologistic Regression Models via Penalized Pseudolikelihood. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2013, 18, 429-449.	0.7	8
32	Spatial multinomial regression models for nominal categorical data: a study of land cover in Northern Wisconsin, USA. <i>Environmetrics</i> , 2013, 24, 98-108.	0.6	8
33	On the asymptotics of maximum likelihood estimation for spatial linear models on a lattice. <i>Sankhya A</i> , 2012, 74, 29-56.	0.4	6
34	Selection of Spatial-Temporal Lattice Models: Assessing the Impact of Climate Conditions on a Mountain Pine Beetle Outbreak. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2012, 17, 508-525.	0.7	11
35	Influence of biophysical factors and differences in Ojibwe reservation versus Euro-American social histories on forest landscape change in northern Wisconsin, USA. <i>Landscape Ecology</i> , 2011, 26, 1165-1178.	1.9	14
36	Variation in Aboveground Cover Influences Soil Nitrogen Availability at Fine Spatial Scales Following Severe Fire in Subalpine Conifer Forests. <i>Ecosystems</i> , 2011, 14, 1081-1095.	1.6	25

#	ARTICLE	IF	CITATIONS
37	Nonparametric Bayesian inference for the spectral density function of a random field. <i>Biometrika</i> , 2010, 97, 238-245.	1.3	25
38	Variable selection in spatial regression via penalized least squares. <i>Canadian Journal of Statistics</i> , 2009, 37, 607-624.	0.6	21
39	Spatial Regression Models for Demographic Analysis. <i>Population Research and Policy Review</i> , 2008, 27, 17-42.	1.0	189
40	Autologistic regression analysis of spatial-temporal binary data via Monte Carlo maximum likelihood. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2008, 13, 84-98.	0.7	28
41	Spatial-Temporal Modeling of Forest Gaps Generated by Colonization From Below- and Above-Ground Bark Beetle Species. <i>Journal of the American Statistical Association</i> , 2008, 103, 162-177.	1.8	23
42	Markov chain Monte Carlo for a Spatial-Temporal Autologistic Regression Model. <i>Journal of Computational and Graphical Statistics</i> , 2008, 17, 123-137.	0.9	26
43	Bootstrapping the Empirical Distribution Function of a Spatial Process. <i>Statistical Inference for Stochastic Processes</i> , 2007, 10, 107-145.	0.4	9
44	Statistics For Correlated Data: Phylogenies, Space, And Time. , 2006, 16, 20-32.		108
45	Modeling spatial-temporal binary data using Markov random fields. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2005, 10, 212-225.	0.7	58
46	Spatial Heterogeneity and Soil Nitrogen Dynamics in a Burned Black Spruce Forest Stand: Distinct Controls at Different Scales. <i>Biogeochemistry</i> , 2005, 76, 517-537.	1.7	46
47	A Multiresolution Tree-Structured Spatial Linear Model. <i>Journal of Computational and Graphical Statistics</i> , 2005, 14, 168-184.	0.9	8
48	BEHAVIORAL RESPONSES TO REPEATED HUMAN INTRUSION BY BLACK-TAILED PRAIRIE DOGS (CYNOMYS) Tj ETQq0 0 0 rgBT/Overlock	0.6	41
49	Comparison of spatial variables over subregions using a block bootstrap. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2004, 9, 91-104.	0.7	16
50	A nonparametric procedure for analyzing repeated measures of spatially correlated data. <i>Environmental and Ecological Statistics</i> , 2004, 11, 431-443.	1.9	12
51	Modeling the Dependence between Number of Trials and Success Probability in Betaâ€Binomialâ€Poisson Mixture Distributions. <i>Biometrics</i> , 2003, 59, 955-961.	0.8	20