

Montserrat Fuentes

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

2,142
citations

346980

22
h-index

263392

45
g-index

64
all docs

64
docs citations

64
times ranked

2642
citing authors

#	ARTICLE	IF	CITATIONS
1	Partition-Based Nonstationary Covariance Estimation Using the Stochastic Score Approximation. <i>Journal of Computational and Graphical Statistics</i> , 2022, 31, 1025-1036.	0.9	2
2	SMOOTH DENSITY SPATIAL QUANTILE REGRESSION. <i>Statistica Sinica</i> , 2021, 31, .	0.2	0
3	The impact of population mobility on estimates of environmental exposure effects in a case-control study. <i>Statistics in Medicine</i> , 2020, 39, 1610-1622.	0.8	4
4	Multi-element effects on arsenate accumulation in a geochemical matrix determined using $\hat{\mu}$ -XRF, $\hat{\mu}$ -XANES and spatial statistics. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 1967-1979.	1.0	11
5	A non-stationary spatial model for temperature interpolation applied to the state of Rio de Janeiro. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2017, 66, 919-939.	0.5	1
6	Hurricane Wind Fields, <i>Multivariate Modeling.</i> , 2017, , 878-894.		0
7	Bayesian multinomial probit modeling of daily windows of susceptibility for maternal $PM_{2.5}$ exposure and congenital heart defects. <i>Statistics in Medicine</i> , 2016, 35, 2786-2801.	0.8	19
8	Comparison of Distributional Statistics of Aquarius and Argo Sea Surface Salinity Measurements. <i>Journal of Atmospheric and Oceanic Technology</i> , 2016, 33, 103-118.	0.5	2
9	Fused Adaptive Lasso for Spatial and Temporal Quantile Function Estimation. <i>Technometrics</i> , 2016, 58, 127-137.	1.3	19
10	Hurricane Wind Fields, <i>Multivariate Modeling.</i> , 2016, , 1-17.		0
11	Quantile regression for mixed models with an application to examine blood pressure trends in China. <i>Annals of Applied Statistics</i> , 2015, 9, 1226-1246.	0.5	12
12	Multilevel Quantile Function Modeling with Application to Birth Outcomes. <i>Biometrics</i> , 2015, 71, 508-519.	0.8	11
13	Spatial Variable Selection Methods for Investigating Acute Health Effects of Fine Particulate Matter Components. <i>Biometrics</i> , 2015, 71, 167-177.	0.8	19
14	Spatial Bayesian Nonparametric Methods. , 2015, , 347-357.		4
15	Maternal Exposure to Criteria Air Pollutants and Congenital Heart Defects in Offspring: Results from the National Birth Defects Prevention Study. <i>Environmental Health Perspectives</i> , 2014, 122, 863-872.	2.8	82
16	Multivariate spatial modeling of conditional dependence in microscale soil elemental composition data. <i>Spatial Statistics</i> , 2014, 9, 93-108.	0.9	10
17	Nonparametric spatial models for extremes: application to extreme temperature data. <i>Extremes</i> , 2013, 16, 75-101.	0.5	45
18	Comparing exposure metrics for the effects of fine particulate matter on emergency hospital admissions. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2013, 23, 627-636.	1.8	16

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19	Multivariate spatial nonparametric modelling via kernel processes mixing. <i>Statistica Sinica</i> , 2013, 23, .	0.2	8
20	Bayesian spatial-temporal model for cardiac congenital anomalies and ambient air pollution risk assessment. <i>Environmetrics</i> , 2012, 23, 673-684.	0.6	18
21	Estimating the Health Impact of Climate Change With Calibrated Climate Model Output. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2012, 17, 377-394.	0.7	13
22	Comparison of exposure estimation methods for air pollutants: Ambient monitoring data and regional air quality simulation. <i>Environmental Research</i> , 2012, 116, 1-10.	3.7	96
23	Bayesian modeling for large spatial datasets. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2012, 4, 59-66.	2.1	25
24	Variable Selection for High Dimensional Bayesian Density Estimation: Application to Human Exposure Simulation. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2012, 61, 47-66.	0.5	5
25	Spatial-temporal Modeling of the Association between Air Pollution Exposure and Preterm Birth: Identifying Critical Windows of Exposure. <i>Biometrics</i> , 2012, 68, 1157-1167.	0.8	68
26	Nonparametric Bayesian models for a spatial covariance. <i>Statistical Methodology</i> , 2012, 9, 265-274.	0.5	15
27	Circular conditional autoregressive modeling of vector fields. <i>Environmetrics</i> , 2012, 23, 46-53.	0.6	23
28	Calibration of Numerical Model Output Using Nonparametric Spatial Density Functions. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2011, 16, 531-553.	0.7	7
29	Trellis display for modeling data from designed experiments. <i>Statistical Analysis and Data Mining</i> , 2011, 4, 133-145.	1.4	6
30	Bayesian Spatial Quantile Regression. <i>Journal of the American Statistical Association</i> , 2011, 106, 6-20.	1.8	155
31	Non-Gaussian and Nonparametric Models for Continuous Spatial Data. <i>Chapman & Hall/CRC Interdisciplinary Statistics Series</i> , 2010, , 149-167.	0.4	8
32	Spectral Domain. <i>Chapman & Hall/CRC Interdisciplinary Statistics Series</i> , 2010, , 57-77.	0.4	8
33	Statistical issues in health impact assessment at the state and local levels. <i>Air Quality, Atmosphere and Health</i> , 2009, 2, 47-55.	1.5	16
34	Spatial-temporal association between fine particulate matter and daily mortality. <i>Computational Statistics and Data Analysis</i> , 2009, 53, 2989-3000.	0.7	40
35	Multivariate Spatial-Temporal Modeling and Prediction of Speciated Fine Particles. <i>Journal of Statistical Theory and Practice</i> , 2009, 3, 407-418.	0.3	22
36	A comparative study of Gaussian geostatistical models and Gaussian Markov random field models. <i>Journal of Multivariate Analysis</i> , 2008, 99, 1681-1697.	0.5	36

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37	Comments on: Assessing probabilistic forecasts of multivariate quantities, with an application to ensemble predictions of surface winds. <i>Test</i> , 2008, 17, 245-248.	0.7	3
38	A class of nonseparable and nonstationary spatial temporal covariance functions. <i>Environmetrics</i> , 2008, 19, 487-507.	0.6	55
39	Testing lack of symmetry in spatial-temporal processes. <i>Journal of Statistical Planning and Inference</i> , 2008, 138, 2847-2866.	0.4	9
40	Hurricane Wind Fields, <i>Multivariate Modeling</i> , 2008, , 448-461.		0
41	A multivariate semiparametric Bayesian spatial modeling framework for hurricane surface wind fields. <i>Annals of Applied Statistics</i> , 2007, 1, 249.	0.5	90
42	Approximate Likelihood for Large Irregularly Spaced Spatial Data. <i>Journal of the American Statistical Association</i> , 2007, 102, 321-331.	1.8	166
43	Bayesian entropy for spatial sampling design of environmental data. <i>Environmental and Ecological Statistics</i> , 2007, 14, 323-340.	1.9	79
44	Sensitivity Of Ecological Models To Their Climate Drivers: Statistical Ensembles For Forcing. , 2006, 16, 99-116.		21
45	Spatial Association between Speciated Fine Particles and Mortality. <i>Biometrics</i> , 2006, 62, 855-863.	0.8	50
46	Testing for separability of spatial-temporal covariance functions. <i>Journal of Statistical Planning and Inference</i> , 2006, 136, 447-466.	0.4	103
47	A Real-Time Hurricane Surface Wind Forecasting Model: Formulation and Verification. <i>Monthly Weather Review</i> , 2006, 134, 1355-1370.	0.5	102
48	Model Evaluation and Spatial Interpolation by Bayesian Combination of Observations with Outputs from Numerical Models. <i>Biometrics</i> , 2005, 61, 36-45.	0.8	207
49	Modeling and predicting complex space-time structures and patterns of coastal wind fields. <i>Environmetrics</i> , 2005, 16, 449-464.	0.6	34
50	A formal test for nonstationarity of spatial stochastic processes. <i>Journal of Multivariate Analysis</i> , 2005, 96, 30-54.	0.5	62
51	Sampling and Statistical Considerations for Hydroacoustic Surveys Used in Estimating Abundance of Forage Fishes in Reservoirs. <i>North American Journal of Fisheries Management</i> , 2005, 25, 73-85.	0.5	12
52	Mesoscale variability of Sea-viewing Wide Field-of-view Sensor (SeaWiFS) satellite ocean color: Global patterns and spatial scales. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	96
53	Statistical assessment of geographic areas of compliance with air quality standards. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	8
54	Interpolation of nonstationary air pollution processes: a spatial spectral approach. <i>Statistical Modelling</i> , 2002, 2, 281-298.	0.5	48

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55	A high frequency kriging approach for non-stationary environmental processes. <i>Environmetrics</i> , 2001, 12, 469-483.	0.6	122
56	Fixed-Domain Asymptotics for Variograms Using Subsampling. <i>Mathematical Geosciences</i> , 2001, 33, 679-691.	0.9	1
57	Predicting integrals of diffusion processes with unknown diffusion parameters. <i>Stochastic and Stochastics Reports</i> , 2000, 69, 255-283.	0.6	0
58	Threshold Dependence of Mortality Effects for Fine and Coarse Particles in Phoenix, Arizona. <i>Journal of the Air and Waste Management Association</i> , 2000, 50, 1367-1379.	0.9	43