Carlo Gaetan

List of Publications by Year
in descending order

41	707	623734 14	580821 25
papers	citations	h-index	g-index

46	46	46	665
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spatial Statistics and Modeling. Springer Series in Statistics, 2010, , .	0.9	141
2	Estimating Space and Space-Time Covariance Functions for Large Data Sets: A Weighted Composite Likelihood Approach. Journal of the American Statistical Association, 2012, 107, 268-280.	3.1	113
3	Comparing composite likelihood methods based on pairs for spatial Gaussian random fields. Statistics and Computing, 2015, 25, 877-892.	1.5	40
4	A hierarchical model for the analysis of spatial rainfall extremes. Journal of Agricultural, Biological, and Environmental Statistics, 2007, 12, 434-449.	1.4	35
5	Subset ARMA Model Identification Using Genetic Algorithms. Journal of Time Series Analysis, 2000, 21, 559-570.	1.2	32
6	Dynamic generalized linear models with application to environmental epidemiology. Journal of the Royal Statistical Society Series C: Applied Statistics, 2002, 51, 453-468.	1.0	26
7	Smoothing Sample Extremes with Dynamic Models. Extremes, 2004, 7, 221-236.	1.0	26
8	A multiple-imputation Metropolis version of the EM algorithm. Biometrika, 2003, 90, 643-654.	2.4	19
9	Covariance tapering for multivariate Gaussian random fields estimation. Statistical Methods and Applications, 2016, 25, 21-37.	1.2	19
10	Accumulation of trace elements in feathers of the Kentish plover Charadrius alexandrinus. Ecotoxicology and Environmental Safety, 2019, 179, 62-70.	6.0	19
11	Hierarchical Space-Time Modeling of Asymptotically Independent Exceedances With an Application to Precipitation Data. Journal of the American Statistical Association, 2020, 115, 555-569.	3.1	19
12	Semiparametric zero-inflated Poisson models with application to animal abundance studies. Environmetrics, 2007, 18, 303-314.	1.4	17
13	spMC: an R-package for 3D lithological reconstructions based on spatial Markov chains. Computers and Geosciences, 2016, 94, 40-47.	4.2	17
14	The resilience of pollination interactions: importance of temporal phases. Journal of Plant Ecology, 2019, 12, 157-162.	2.3	17
15	Transfer functionâ€noise modelling of an aquifer system in NE Italy. Hydrological Processes, 2011, 25, 194-206.	2.6	16
16	A Latent Process Model for Temporal Extremes. Scandinavian Journal of Statistics, 2014, 41, 606-621.	1.4	16
17	Nonlinear models for ground-level ozone forecasting. Statistical Methods and Applications, 2002, 11, 227-245.	1.2	14
18	Estimation of spatial max-stable models using threshold exceedances. Statistics and Computing, 2014, 24, 651-662.	1.5	14

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19	A flexible dependence model for spatial extremes. Journal of Statistical Planning and Inference, 2016, 172, 36-52.	0.6	12
20	Mining epidemiological time series: an approach based on dynamic regression. Statistical Modelling, 2005, 5, 309-325.	1.1	10
21	Using fine-scale field data modelling for planning the management of invasions of Oenothera stucchii in coastal dune systems. Ecological Indicators, 2021, 125, 107564.	6.3	10
22	On modeling positive continuous data with spatiotemporal dependence. Environmetrics, 2020, 31, e2632.	1.4	9
23	Latent Process Modelling of Threshold Exceedances in Hourly Rainfall Series. Journal of Agricultural, Biological, and Environmental Statistics, 2016, 21, 531-547.	1.4	8
24	A Bayesian hierarchical approach for spatial analysis of climate model bias in multi-model ensembles. Stochastic Environmental Research and Risk Assessment, 2017, 31, 2645-2657.	4.0	8
25	A Review on Spatial Extreme Modelling. Lecture Notes in Statistics, 2012, , 103-124.	0.2	6
26	Automatic identification of seasonal transfer function models by means of iterative stepwise and genetic algorithms. Journal of Time Series Analysis, 2007, 29, 070909174054003-???.	1.2	5
27	Structural decomposition of decadal climate prediction errors: A Bayesian approach. Scientific Reports, 2017, 7, 12862.	3.3	5
28	Hierarchical space-time modelling of epidemic dynamics: an application to measles outbreaks. Statistical Methods and Applications, 2004, 13, 55.	1.2	4
29	Statistics for spatial models. Springer Series in Statistics, 2010, , 149-248.	0.9	4
30	Second-order spatial models and geostatistics. Springer Series in Statistics, 2010, , 1-52.	0.9	4
31	Clustering Chlorophyll-a satellite data using quantiles. Annals of Applied Statistics, 2016, 10, .	1.1	4
32	El NiÃ±o as a predictor of round sardinella distribution along the northwest African coast. Progress in Oceanography, 2020, 186, 102341.	3.2	4
33	Subsoil Reconstruction in Geostatistics beyond Kriging: A Case Study in Veneto (NE Italy). Hydrology, 2020, 7, 15.	3.0	4
34	Modeling and Simulating Depositional Sequences Using Latent Gaussian Random Fields. Mathematical Geosciences, 2021, 53, 469-497.	2.4	4
35	An interchangeable approach for modelling spatioâ€temporal count data. Environmetrics, 2010, 21, 849-867.	1.4	2
36	Spatio-temporal quantification of climate model errors in a Bayesian framework. Stochastic Environmental Research and Risk Assessment, 2019, 33, 111-124.	4.0	2

#	Article	IF	Citations
37	Workload Prediction in BTC Blockchain and Application to the Confirmation Time Estimation. Lecture Notes in Computer Science, 2021, , 3-21.	1.3	2
38	Some Applications of Time-Varying Coefficient Models to Count Data. Studies in Classification, Data Analysis, and Knowledge Organization, 2003, , 182-190.	0.2	0
39	Mortality and Air Pollution in Philadelphia: A Dynamic Generalized Linear Modelling Approach. Studies in Classification, Data Analysis, and Knowledge Organization, 2004, , 233-243.	0.2	0
40	Comment on Article by Page and Quintana. Bayesian Analysis, 2016, 11, .	3.0	0
41	A model for space-time threshold exceedances with an application to extreme rainfall. Statistical Modelling, 2024, 24, 169-193.	1.1	0