Stefano Castruccio

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5615952/publications.pdf

Version: 2024-02-01

42	1,000	471061	454577
papers	citations	17 h-index	30 g-index

42	42	42	1358
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A stochastic locally diffusive model with neural networkâ€based deformations for global sea surface temperature. Stat, 2022, 11, e431.	0.3	3
2	Forecasting High-Frequency Spatio-Temporal Wind Power with Dimensionally Reduced Echo State Networks. Journal of the Royal Statistical Society Series C: Applied Statistics, 2022, 71, 449-466.	0.5	9
3	Information entropy tradeoffs for efficient uncertainty reduction in estimates of air pollution mortality. Environmental Research, 2022, 212, 113587.	3.7	2
4	Assessing the risk of disruption of wind turbine operations in Saudi Arabia using Bayesian spatial extremes. Extremes, 2021, 24, 267-292.	0.5	5
5	High spatial resolution WRF-Chem model over Asia: Physics and chemistry evaluation. Atmospheric Environment, 2021, 244, 118004.	1.9	38
6	Improving Bayesian Local Spatial Models in Large Datasets. Journal of Computational and Graphical Statistics, 2021, 30, 349-359.	0.9	3
7	Approximating the Internal Variability of Bias-Corrected Global Temperature Projections with Spatial Stochastic Generators. Journal of Climate, 2021, , 1-31.	1.2	4
8	Assessing urban mortality from wildfires with a citizen science network. Air Quality, Atmosphere and Health, 2021, 14, 2015-2027.	1.5	5
9	Spatial modeling of mid-infrared spectral data with thermal compensation using integrated nested Laplace approximation. Applied Optics, 2021, 60, 8609.	0.9	1
10	A temporal model for vertical extrapolation of wind speed and wind energy assessment. Applied Energy, 2021, 301, 117378.	5.1	20
11	Assessing the reliability of wind power operations under a changing climate with a non-Gaussian bias correction. Annals of Applied Statistics, 2021, 15, .	0.5	5
12	A hierarchical bi-resolution spatial skew-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e357" altimg="si3.svg"><mml:mi>t</mml:mi></mml:math> model. Spatial Statistics, 2020, 35, 100398.	0.9	9
13	Marginally parameterized spatio-temporal models and stepwise maximum likelihood estimation. Computational Statistics and Data Analysis, 2020, 151, 107018.	0.7	6
14	Short-term and long-term health impacts of air pollution reductions from COVID-19 lockdowns in China and Europe: a modelling study. Lancet Planetary Health, The, 2020, 4, e474-e482.	5.1	136
15	A highâ€resolution bilevel skewâ€t stochastic generator for assessing Saudi Arabia's wind energy resources. Environmetrics, 2020, 31, e2628.	0.6	10
16	Closing the gap between wind energy targets and implementation for emerging countries. Applied Energy, 2020, 269, 115085.	5.1	23
17	Compression of climate simulations with a nonstationary global SpatioTemporal SPDE model. Annals of Applied Statistics, 2020, 14, .	0.5	8
18	Rejoinder to the discussion on A highâ€resolution bilevel skewâ€t stochastic generator for assessing Saudi Arabia's wind energy resources. Environmetrics, 2020, 31, .	0.6	1

#	Article	IF	Citations
19	Axially symmetric models for global data: A journey between geostatistics and stochastic generators. Environmetrics, 2019, 30, e2555.	0.6	14
20	Reproducing Internal Variability with Few Ensemble Runs. Journal of Climate, 2019, 32, 8511-8522.	1.2	18
21	Visualizing spatiotemporal models with virtual reality: from fully immersive environments to applications in stereoscopic view. Journal of the Royal Statistical Society Series A: Statistics in Society, 2019, 182, 379-387.	0.6	7
22	A Multivariate Global Spatiotemporal Stochastic Generator for Climate Ensembles. Journal of Agricultural, Biological, and Environmental Statistics, 2019, 24, 464-483.	0.7	13
23	A Nonâ€Gaussian Spatioâ€Temporal Model for Daily Wind Speeds Based on a Multiâ€Variate Skewâ€t Distribution. Journal of Time Series Analysis, 2019, 40, 312-326.	0.7	24
24	A Stochastic Generator of Global Monthly Wind Energy with Tukey g-and-h Autoregressive Processes. Statistica Sinica, 2019, , .	0.2	8
25	Impact of the 2015 wildfires on Malaysian air quality and exposure: a comparative study of observed and modeled data. Environmental Research Letters, 2018, 13, 044023.	2.2	22
26	Principles for statistical inference on big spatio-temporal data from climate models. Statistics and Probability Letters, 2018, 136, 92-96.	0.4	20
27	A Scalable Multi-Resolution Spatio-Temporal Model for Brain Activation and Connectivity in Fmri Data. Biometrics, 2018, 74, 823-833.	0.8	18
28	Reducing storage of global wind ensembles with stochastic generators. Annals of Applied Statistics, 2018, 12, .	0.5	24
29	Current and Future Estimates of Wind Energy Potential Over Saudi Arabia. Journal of Geophysical Research D: Atmospheres, 2018, 123, 6443-6459.	1.2	32
30	Forecasting ultrafine particle concentrations from satellite and in situ observations. Journal of Geophysical Research D: Atmospheres, 2017, 122, 1828-1837.	1.2	5
31	An Evolutionary Spectrum Approach to Incorporate Large-Scale Geographical Descriptors on Global Processes. Journal of the Royal Statistical Society Series C: Applied Statistics, 2017, 66, 329-344.	0.5	27
32	Smartphone Continuous Authentication Using Deep Learning Autoencoders. , 2017, , .		19
33	Population exposure to hazardous air quality due to the 2015 fires in Equatorial Asia. Scientific Reports, 2016, 6, 37074.	1.6	151
34	Compressing an Ensemble With Statistical Models: An Algorithm for Global 3D Spatio-Temporal Temperature. Technometrics, 2016, 58, 319-328.	1.3	39
35	Assessing the spatio-temporal structure of annual and seasonal surface temperature for CMIP5 and reanalysis. Spatial Statistics, 2016, 18, 179-193.	0.9	12
36	High-Order Composite Likelihood Inference for Max-Stable Distributions and Processes. Journal of Computational and Graphical Statistics, 2016, 25, 1212-1229.	0.9	58

#	Article	IF	Citations
37	Comments on: Comparing and selecting spatial predictors using local criteria. Test, 2015, 24, 31-34.	0.7	0
38	Visuanimation in statistics. Stat, 2015, 4, 81-96.	0.3	22
39	Beyond axial symmetry: An improved class of models for global data. Stat, 2014, 3, 48-55.	0.3	28
40	Statistical Emulation of Climate Model Projections Based on Precomputed GCM Runs*. Journal of Climate, 2014, 27, 1829-1844.	1.2	90
41	Global spaceâ€“time models for climate ensembles. Annals of Applied Statistics, 2013, 7, .	0.5	60
42	A Bayesian Approach to Spatial Prediction With Flexible Variogram Models. Journal of Agricultural, Biological, and Environmental Statistics, 2012, 17, 209-227.	0.7	1