

Sandra De Iaco

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8052437/publications.pdf>

Version: 2024-02-01

47
papers

858
citations

535685

17
h-index

591227

27
g-index

52
all docs

52
docs citations

52
times ranked

640
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Computational advances for spatio-temporal multivariate environmental models. Computational Statistics, 2022, 37, 651-670. | 0.8 | 5 |
| 2 | Modeling spatio-temporal complex covariance functions for vectorial data. Spatial Statistics, 2022, 47, 100562. | 0.9 | 7 |
| 3 | Time varying complex covariance functions for oceanographic data. Spatial Statistics, 2021, 42, 100426. | 0.9 | 4 |
| 4 | Modeling Ocean Currents Through Complex Random Fields Indexed in Time. Mathematical Geosciences, 2021, 53, 999-1025. | 1.4 | 4 |
| 5 | Spatio-temporal modeling of an environmental trivariate vector combining air and soil measurements from Ireland. Spatial Statistics, 2021, 42, 100455. | 0.9 | 4 |
| 6 | On Some Characteristics of Gaussian Covariance Functions. International Statistical Review, 2021, 89, 36-53. | 1.1 | 13 |
| 7 | Spatial Autocorrelation. Encyclopedia of Earth Sciences Series, 2021, , 1-9. | 0.1 | 0 |
| 8 | covatest : An R Package for Selecting a Class of Space-Time Covariance Functions. Journal of Statistical Software, 2020, 94, . | 1.8 | 14 |
| 9 | The residential real estate market in Italy: a spatio-temporal analysis. Quality and Quantity, 2019, 53, 2451-2472. | 2.0 | 7 |
| 10 | Choosing suitable linear coregionalization models for spatio-temporal data. Stochastic Environmental Research and Risk Assessment, 2019, 33, 1419-1434. | 1.9 | 16 |
| 11 | Isotropy, symmetry, separability and strict positive definiteness for covariance functions: A critical review. Spatial Statistics, 2019, 29, 89-108. | 0.9 | 18 |
| 12 | A Multilevel Multinomial Model for the Dynamics of Graduates Employment in Italy. Social Indicators Research, 2019, 146, 149-168. | 1.4 | 3 |
| 13 | Testing the type of non-separability and some classes of space-time covariance function models. Stochastic Environmental Research and Risk Assessment, 2018, 32, 17-35. | 1.9 | 25 |
| 14 | Strict positive definiteness in geostatistics. Stochastic Environmental Research and Risk Assessment, 2018, 32, 577-590. | 1.9 | 25 |
| 15 | Radon Predictions with GIS Covariates: From Spatial Sampling to Modeling. Geographical Analysis, 2017, 49, 215-235. | 1.9 | 1 |
| 16 | The cgeostat Software for Analyzing Complex-Valued Random Fields. Journal of Statistical Software, 2017, 79, . | 1.8 | 6 |
| 17 | A dynamic model for age-specific fertility rates in Italy. Spatial Statistics, 2016, 17, 105-120. | 0.9 | 5 |
| 18 | Wind velocity prediction through complex kriging: formalism and computational aspects. Environmental and Ecological Statistics, 2016, 23, 115-139. | 1.9 | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | PM 10 Time Series Analysis Through Geostatistical Techniques. , 2015, , . | | 0 |
| 20 | Spatio-temporal geostatistical modeling for French fertility predictions. Spatial Statistics, 2015, 14, 546-562. | 0.9 | 22 |
| 21 | Complex-Valued Random Fields for Vectorial Data: Estimating and Modeling Aspects. Mathematical Geosciences, 2013, 45, 557-573. | 1.4 | 11 |
| 22 | Characteristics of some classes of space-time covariance functions. Journal of Statistical Planning and Inference, 2013, 143, 2002-2015. | 0.4 | 31 |
| 23 | Geostatistics and the Role of Variogram in Time Series Analysis: A Critical Review. Contributions To Statistics, 2013, , 47-75. | 0.2 | 5 |
| 24 | Positive and negative non-separability for space-time covariance models. Journal of Statistical Planning and Inference, 2013, 143, 378-391. | 0.4 | 34 |
| 25 | Using Simultaneous Diagonalization to Identify a Space-Time Linear Coregionalization Model. Mathematical Geosciences, 2013, 45, 69-86. | 1.4 | 15 |
| 26 | On the use of different metrics for assessing complex pattern reproductions. Journal of Applied Statistics, 2013, 40, 808-822. | 0.6 | 4 |
| 27 | Prediction of particle pollution through spatio-temporal multivariate geostatistical analysis: spatial special issue. ASTA Advances in Statistical Analysis, 2013, 97, 133-150. | 0.4 | 54 |
| 28 | Towards an automatic procedure for modeling multivariate space-time data. Computers and Geosciences, 2012, 41, 1-11. | 2.0 | 20 |
| 29 | Predicting spatio-temporal random fields: Some computational aspects. Computers and Geosciences, 2012, 41, 12-24. | 2.0 | 32 |
| 30 | A new space-time multivariate approach for environmental data analysis. Journal of Applied Statistics, 2011, 38, 2471-2483. | 0.6 | 12 |
| 31 | Validation Techniques for Geological Patterns Simulations Based on Variogram and Multiple-Point Statistics. Mathematical Geosciences, 2011, 43, 483-500. | 1.4 | 29 |
| 32 | On strict positive definiteness of product and product-sum covariance models. Journal of Statistical Planning and Inference, 2011, 141, 1132-1140. | 0.4 | 28 |
| 33 | Strict Positive Definiteness of a Product of Covariance Functions. Communications in Statistics - Theory and Methods, 2011, 40, 4400-4408. | 0.6 | 18 |
| 34 | FORTTRAN programs for space-time multivariate modeling and prediction. Computers and Geosciences, 2010, 36, 636-646. | 2.0 | 21 |
| 35 | Space-time correlation analysis: a comparative study. Journal of Applied Statistics, 2010, 37, 1027-1041. | 0.6 | 32 |
| 36 | Modeling and prediction of multivariate space-time random fields. Computational Statistics and Data Analysis, 2005, 48, 525-547. | 0.7 | 25 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | The Linear Coregionalization Model and the Productâ€“Sum Spaceâ€“Time Variogram. Mathematical Geosciences, 2003, 35, 25-38. | 0.9 | 43 |
| 38 | Covariance functions and models for complex-valued random fields. Stochastic Environmental Research and Risk Assessment, 2003, 17, 145-156. | 1.9 | 14 |
| 39 | Convergence of realization-based statistics to model-based statistics for the LU unconditional simulation algorithm: some numerical tests. Stochastic Environmental Research and Risk Assessment, 2002, 16, 333-341. | 1.9 | 3 |
| 40 | Space-time radial basis functions. Computers and Mathematics With Applications, 2002, 43, 539-549. | 1.4 | 36 |
| 41 | Spaceâ€“time variograms and a functional form for total air pollution measurements. Computational Statistics and Data Analysis, 2002, 41, 311-328. | 0.7 | 56 |
| 42 | Nonseparable Space-Time Covariance Models: Some Parametric Families. Mathematical Geosciences, 2002, 34, 23-42. | 0.9 | 111 |
| 43 | Total Air Pollution And Space-Time Modelling. Quantitative Geology and Geostatistics, 2001, , 45-56. | 0.1 | 9 |
| 44 | Some space-time models: an application to NO 2 pollution in an urban area. , 2000, , 271-276. | | 2 |
| 45 | Using multilevel models to evaluate the attitude of separate waste collection in young people. Metron, 0, , 1. | 0.6 | 1 |
| 46 | Radon Risk Analysis Through Geostatistical Tools Implemented in a WebGIS. , 0, , . | | 1 |
| 47 | New spatio-temporal complex covariance functions for vectorial data through positive mixtures. Stochastic Environmental Research and Risk Assessment, 0, , 1. | 1.9 | 5 |