

Alessandra Menafoglio

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

637
citations

777949

13
h-index

721071

23
g-index

51
all docs

51
docs citations

51
times ranked

361
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive smoothing spline estimator for the function-on-function linear regression model. Computational Statistics, 2023, 38, 191-216.	0.8	3
2	Weighting of Parts in Compositional Data Analysis: Advances and Applications. Mathematical Geosciences, 2022, 54, 71-93.	1.4	6
3	Statistical Modeling and Monitoring of Geometrical Deviations in Complex Shapes With Application to Additive Manufacturing. Technometrics, 2022, 64, 437-456.	1.3	6
4	A look at the spatio-temporal mortality patterns in Italy during the COVID-19 pandemic through the lens of mortality densities. Spatial Statistics, 2022, 49, 100541.	0.9	2
5	Inference for spatial regression models with functional response using a $\hat{\alpha}$ permutational approach. Journal of Multivariate Analysis, 2022, 189, 104893.	0.5	3
6	A general bi-clustering algorithm for object data with an application to the analysis of a Lombardy railway line. International Journal of Approximate Reasoning, 2022, 142, 161-177.	1.9	4
7	A new class of \hat{I}_{\pm} -transformations for the spatial analysis of Compositional Data. Spatial Statistics, 2022, 47, 100570.	0.9	1
8	Multi-source geographically weighted regression for regionalized ground-motion models. Spatial Statistics, 2022, 47, 100610.	0.9	3
9	A Comparison Between Machine Learning and Functional Geostatistics Approaches for Data-Driven Analyses of Sediment Transport in a Pre-Alpine Stream. Mathematical Geosciences, 2022, 54, 467-506.	1.4	2
10	Heterogeneity of technological structures between EU countries: An application of complex systems methods to Input-Output Tables. Expert Systems With Applications, 2022, 206, 117875.	4.4	4
11	Functional Regression Control Chart. Technometrics, 2021, 63, 281-294.	1.3	14
12	Kriging Riemannian Data via Random Domain Decompositions. Journal of Computational and Graphical Statistics, 2021, 30, 709-727.	0.9	3
13	A novel downscaling procedure for compositional data in the Aitchison geometry with application to soil texture data. Stochastic Environmental Research and Risk Assessment, 2021, 35, 1223-1241.	1.9	2
14	Logratio Approach to Distributional Modeling. , 2021, , 451-470.		0
15	On the Use of Interferometric Synthetic Aperture Radar Data for Monitoring and Forecasting Natural Hazards. Mathematical Geosciences, 2021, 53, 1781-1812.	1.4	11
16	Object oriented spatial analysis of natural concentration levels of chemical species in regional-scale aquifers. Spatial Statistics, 2021, 43, 100494.	0.9	4
17	Ground-Motion Model for Crustal Events in Italy by Applying the Multisource Geographically Weighted Regression (MS-CWR) Method. Bulletin of the Seismological Society of America, 2021, 111, 3297-3313.	1.1	8
18	FunCC: A new bi-clustering algorithm for functional data with misalignment. Computational Statistics and Data Analysis, 2021, 160, 107219.	0.7	5

#	ARTICLE	IF	CITATIONS
19	Preliminary Results from the SMART-SED Basin Scale Sediment Yield Model. ICL Contribution To Landslide Disaster Risk Reduction, 2021, , 241-248.	0.3	1
20	A permutation approach to the analysis of spatiotemporal geochemical data in the presence of heteroscedasticity. Environmetrics, 2020, 31, e2611.	0.6	3
21	Simulation of seismic ground motion fields via object-oriented spatial statistics with an application in Northern Italy. Stochastic Environmental Research and Risk Assessment, 2020, 34, 1607-1627.	1.9	4
22	Probabilistic assessment of spatial heterogeneity of natural background concentrations in large-scale groundwater bodies through Functional Geostatistics. Science of the Total Environment, 2020, 740, 140139.	3.9	12
23	Weighting the domain of probability densities in functional data analysis. Stat, 2020, 9, e283.	0.3	13
24	Control charts for monitoring ship operating conditions and CO ₂ emissions based on scalar-on-a-function regression. Applied Stochastic Models in Business and Industry, 2020, 36, 477-500.	0.9	17
25	O2S2: A new venue for computational geostatistics. Applied Computing and Geosciences, 2019, 2, 100007.	1.0	8
26	Compositional regression with functional response. Computational Statistics and Data Analysis, 2018, 123, 66-85.	0.7	30
27	Profile Monitoring of Probability Density Functions via Simplicial Functional PCA With Application to Image Data. Technometrics, 2018, 60, 497-510.	1.3	36
28	Cokriging for multivariate Hilbert space valued random fields: application to multi-fidelity computer code emulation. Stochastic Environmental Research and Risk Assessment, 2018, 32, 1955-1971.	1.9	10
29	Random domain decompositions for object-oriented Kriging over complex domains. Stochastic Environmental Research and Risk Assessment, 2018, 32, 3421-3437.	1.9	19
30	A Bayes Hilbert Space for Compartment Model Computing in Diffusion MRI. Lecture Notes in Computer Science, 2018, , 72-80.	1.0	0
31	Statistical analysis of complex and spatially dependent data: A review of Object Oriented Spatial Statistics. European Journal of Operational Research, 2017, 258, 401-410.	3.5	40
32	A Class-Kriging Predictor for Functional Compositions with Application to Particle-Size Curves in Heterogeneous Aquifers. Mathematical Geosciences, 2016, 48, 463-485.	1.4	25
33	Stochastic simulation of soil particle-size curves in heterogeneous aquifer systems through a Bayes space approach. Water Resources Research, 2016, 52, 5708-5726.	1.7	25
34	Using Curve-Registration Information for Profile Monitoring. Journal of Quality Technology, 2016, 48, 99-127.	1.8	25
35	Universal Kriging of functional data: Trace-variography vs cross-variography? Application to gas forecasting in unconventional shales. Spatial Statistics, 2016, 15, 39-55.	0.9	23
36	Geostatistical Analysis of Functional Compositions: Characterization of Soil Particle-Size Curves through the Aitchison Geometry. , 2016, , 65-69.		0

#	ARTICLE	IF	CITATIONS
37	Kriging prediction for manifold-valued random fields. <i>Journal of Multivariate Analysis</i> , 2016, 145, 117-131.	0.5	16
38	Simplicial principal component analysis for density functions in Bayes spaces. <i>Computational Statistics and Data Analysis</i> , 2016, 94, 330-350.	0.7	61
39	Kriging for Hilbert-space valued random fields: The operatorial point of view. <i>Journal of Multivariate Analysis</i> , 2016, 146, 84-94.	0.5	31
40	BarCamp: Technology Foresight and Statistics for the Future. <i>Contributions To Statistics</i> , 2015, , 53-67.	0.2	1
41	Forecasting Production Decline Rate in Unconventional Resources by Kriging of Functional Data. , 2015, , .		2
42	A kriging approach based on Aitchison geometry for the characterization of particle-size curves in heterogeneous aquifers. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014, 28, 1835-1851.	1.9	58
43	A Universal Kriging predictor for spatially dependent functional data of a Hilbert Space. <i>Electronic Journal of Statistics</i> , 2013, 7, .	0.4	83
44	Functional regression control chart for monitoring ship CO2 emissions. <i>Quality and Reliability Engineering International</i> , 0, , .	1.4	6
45	Social and material vulnerability in the face of seismic hazard: An analysis of the Italian case. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 0, , .	0.6	4
46	Physics-based Residual Kriging for dynamically evolving functional random fields. <i>Stochastic Environmental Research and Risk Assessment</i> , 0, , 1.	1.9	1