Laura M Sangalli

List of Publications by Year
in descending order

53 papers	1,234 citations	430874 18 h-index	377865 34 g-index
63 all docs	63 docs citations	63 times ranked	1372 citing authors

#	Article	IF	Citations
1	Smoothing spatio-temporal data with complex missing data patterns. Statistical Modelling, 2023, 23, 327-356.	1.1	5
2	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.	1.9	2
3	Some first results on the consistency of spatial regression with partial differential equation regularization. Statistica Sinica, 2022, , .	0.3	5
4	Some first inferential tools for spatial regression with differential regularization. Journal of Multivariate Analysis, 2022, 189, 104866.	1.0	2
5	A roughness penalty approach to estimate densities over two-dimensional manifolds. Computational Statistics and Data Analysis, 2022, , 107527.	1.2	2
6	Nonparametric density estimation over complicated domains. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2021, 83, 346-368.	2.2	2
7	Spatial Regression With Partial Differential Equation Regularisation. International Statistical Review, 2021, 89, 505-531.	1.9	12
8	A novel approach to the analysis of spatial and functional data over complex domains. Quality Engineering, 2020, 32, 181-190.	1.1	3
9	Analysis of Telecom Italia Mobile Phone Data by Space-time Regression with Differential Regularization. Contributions To Statistics, 2020, , 5-10.	0.2	0
10	A Functional Data Analysis Approach to the Estimation of Densities over Complex Regions. Contributions To Statistics, 2020, , 77-82.	0.2	0
11	Modeling spatially dependent functional data via regression with differential regularization. Journal of Multivariate Analysis, 2019, 170, 275-295.	1.0	18
12	PCAâ€based discrimination of partially observed functional data, with an application to AneuRisk65 data set. Statistica Neerlandica, 2018, 72, 246-264.	1.6	11
13	Modeling spatial anisotropy via regression with partial differential regularization. Journal of Multivariate Analysis, 2018, 167, 15-30.	1.0	14
14	A penalized regression model for spatial functional data with application to the analysis of the production of waste in Venice province. Stochastic Environmental Research and Risk Assessment, 2017, 31, 23-38.	4.0	37
15	FunChIP: an R/Bioconductor package for functional classification of ChIP-seq shapes. Bioinformatics, 2017, 33, 2570-2572.	4.1	5
16	Functional data analysis of neuroimaging signals associated with cerebral activity in the brain cortex. Contributions To Statistics, 2017, , 169-172.	0.2	2
17	Smooth Principal Component Analysis over two-dimensional manifolds with an application to neuroimaging. Annals of Applied Statistics, 2016, 10, .	1.1	41
18	Generalized spatial regression with differential regularization. Journal of Statistical Computation and Simulation, 2016, 86, 2497-2518.	1.2	9

#	Article	IF	Citations
19	Curve matching, a generalized framework for models/experiments comparison: An application to n-heptane combustion kinetic mechanisms. Combustion and Flame, 2016, 168, 186-203.	5.2	23
20	IGS: An IsoGeometric approach for smoothing on surfaces. Computer Methods in Applied Mechanics and Engineering, 2016, 302, 70-89.	6.6	18
21	Spatial regression models over two-dimensional manifolds. Biometrika, 2016, 103, 71-88.	2.4	27
22	A Combination of Cisplatin and 5-Fluorouracil With a Taxane in Patients Who Underwent Lymph Node Dissection for Nodal Metastases From Squamous Cell Carcinoma of the Penis: Treatment Outcome and Survival Analyses in Neoadjuvant and Adjuvant Settings. Clinical Genitourinary Cancer, 2016, 14, 323-330.	1.9	59
23	Functional Data Analysis of Amplitude and Phase Variation. Statistical Science, 2015, 30, .	2.8	105
24	Peak shape clustering reveals biological insights. BMC Bioinformatics, 2015, 16, 349.	2.6	22
25	A mesh simplification strategy for a spatial regression analysis over the cortical surface of the brain. Applied Numerical Mathematics, 2015, 90, 111-131.	2.1	21
26	Blood Flow Velocity Field Estimation Via Spatial Regression With PDE Penalization. Journal of the American Statistical Association, 2015, 110, 1057-1071.	3.1	28
27	Mixed Finite Elements for Spatial Regression with PDE Penalization. SIAM-ASA Journal on Uncertainty Quantification, 2014, 2, 305-335.	2.0	18
28	Object Oriented Data Analysis: A few methodological challenges. Biometrical Journal, 2014, 56, 774-777.	1.0	2
29	Principal differential analysis of the Aneurisk65 data set. Advances in Data Analysis and Classification, 2014, 8, 287-302.	1.4	5
30	AneuRisk65: A dataset of three-dimensional cerebral vascular geometries. Electronic Journal of Statistics, 2014, 8, .	0.7	21
31	Analysis of spike train data: An application of k-mean alignment. Electronic Journal of Statistics, 2014, 8, .	0.7	3
32	Analysis of AneuRisk65 data: k-mean alignment. Electronic Journal of Statistics, 2014, 8, .	0.7	12
33	Rejoinder: Analysis of AneuRisk65 data. Electronic Journal of Statistics, 2014, 8, .	0.7	1
34	Statistics of time warpings and phase variations. Electronic Journal of Statistics, 2014, 8, .	0.7	24
35	Analysis of juggling data: An application of k-mean alignment. Electronic Journal of Statistics, 2014, 8, .	0.7	1
36	Survival analyses of adjuvant or neoadjuvant combination of a taxane plus cisplatin and 5-fluorouracil (T-PF) in patients with bulky nodal metastases from squamous cell carcinoma of the penis (PSCC): Results of a single high-volume center.. Journal of Clinical Oncology, 2014, 32, 377-377.	1.6	11

#	Article	IF	Citations
37	Analysis of proteomics data: Block k-mean alignment. Electronic Journal of Statistics, 2014, 8, .	0.7	4
38	An introduction with medical applications to functional data analysis. Statistics in Medicine, 2013, 32, 5222-5240.	1.6	60
39	Spatial Spline Regression Models. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2013, 75, 681-703.	2.2	95
40	Spatial Smoothing for Data Distributed over Non-planar Domains. Contributions To Statistics, 2013, , 123-135.	0.2	1
41	Identification and Predictive Value of Interleukin-6 [+] Interleukin-10 [+] and Interleukin-6 [â˘] Interleukin-10 [+] Cytokine Patterns in ST-Elevation Acute Myocardial Infarction. Circulation Research, 2012, 111, 1336-1348.	4.5	72
42	A Bayesian Approach to Spatial Prediction With Flexible Variogram Models. Journal of Agricultural, Biological, and Environmental Statistics, 2012, 17, 209-227.	1.4	1
43	Wavelets in functional data analysis: Estimation of multidimensional curves and their derivatives. Computational Statistics and Data Analysis, 2012, 56, 1482-1498.	1.2	18
44	An Integrated Statistical Investigation of Internal Carotid Arteries of Patients Affected by Cerebral Aneurysms. Cardiovascular Engineering and Technology, 2012, 3, 26-40.	1.6	31
45	Invariant NKT Cell Reconstitution in Pediatric Leukemia Patients Given HLA-Haploidentical Stem Cell Transplantation Defines Distinct CD4+ and CD4â˘ Subset Dynamics and Correlates with Remission State. Journal of Immunology, 2011, 186, 4490-4499.	0.8	85
46	Spatial Functional Data Analysis. Contributions To Statistics, 2011, , 269-275.	0.2	8
47	Wavelets Smoothing for Multidimensional Curves. Contributions To Statistics, 2011, , 255-261.	0.2	0
48	Latent diffusion models for survival analysis. Bernoulli, 2010, 16, .	1.3	3
49	-mean alignment for curve clustering. Computational Statistics and Data Analysis, 2010, 54, 1219-1233.	1.2	114
50	A Case Study in Exploratory Functional Data Analysis: Geometrical Features of the Internal Carotid Artery. Journal of the American Statistical Association, 2009, 104, 37-48.	3.1	89
51	Efficient Estimation of Three-Dimensional Curves and their Derivatives by Free-Knot Regression Splines, Applied to the Analysis of Inner Carotid Artery Centrelines. Journal of the Royal Statistical Society Series C: Applied Statistics, 2009, 58, 285-306.	1.0	43
52	Explorative Functional Data Analysis for 3D-geometries of the Inner Carotid Artery. Contributions To Statistics, 2008, , 289-295.	0.2	1
53	Integrated Depths for Partially Observed Functional Data. Journal of Computational and Graphical Statistics, 0, , 1-25.	1.7	5