

Laura M Sangalli

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4766203/publications.pdf>

Version: 2024-02-01

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	-mean alignment for curve clustering. Computational Statistics and Data Analysis, 2010, 54, 1219-1233.	1.2	114
2	Functional Data Analysis of Amplitude and Phase Variation. Statistical Science, 2015, 30, .	2.8	105
3	Spatial Spline Regression Models. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2013, 75, 681-703.	2.2	95
4	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
5	Invariant NKT Cell Reconstitution in Pediatric Leukemia Patients Given HLA-Haploidentical Stem Cell Transplantation Defines Distinct CD4 ⁺ and CD4 ⁺ Subset Dynamics and Correlates with Remission State. Journal of Immunology, 2011, 186, 4490-4499.	0.8	85
6	Identification and Predictive Value of Interleukin-6 ⁺ Interleukin-10 ⁺ and Interleukin-6 ⁺ Interleukin-10 ⁺ Cytokine Patterns in ST-Elevation Acute Myocardial Infarction. Circulation Research, 2012, 111, 1336-1348.	4.5	72
7	An introduction with medical applications to functional data analysis. Statistics in Medicine, 2013, 32, 5222-5240.	1.6	60
8	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
9	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
10	Smooth Principal Component Analysis over two-dimensional manifolds with an application to neuroimaging. Annals of Applied Statistics, 2016, 10, .	1.1	41
11	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
12	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
13	Blood Flow Velocity Field Estimation Via Spatial Regression With PDE Penalization. Journal of the American Statistical Association, 2015, 110, 1057-1071.	3.1	28
14	Spatial regression models over two-dimensional manifolds. Biometrika, 2016, 103, 71-88.	2.4	27
15	Statistics of time warpings and phase variations. Electronic Journal of Statistics, 2014, 8, .	0.7	24
16	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
17	Peak shape clustering reveals biological insights. BMC Bioinformatics, 2015, 16, 349.	2.6	22
18	AneuRisk65: A dataset of three-dimensional cerebral vascular geometries. Electronic Journal of Statistics, 2014, 8, .	0.7	21

#	ARTICLE	IF	CITATIONS
19	A mesh simplification strategy for a spatial regression analysis over the cortical surface of the brain. <i>Applied Numerical Mathematics</i> , 2015, 90, 111-131.	2.1	21
20	Wavelets in functional data analysis: Estimation of multidimensional curves and their derivatives. <i>Computational Statistics and Data Analysis</i> , 2012, 56, 1482-1498.	1.2	18
21	Mixed Finite Elements for Spatial Regression with PDE Penalization. <i>SIAM-ASA Journal on Uncertainty Quantification</i> , 2014, 2, 305-335.	2.0	18
22	IGS: An IsoGeometric approach for smoothing on surfaces. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016, 302, 70-89.	6.6	18
23	Modeling spatially dependent functional data via regression with differential regularization. <i>Journal of Multivariate Analysis</i> , 2019, 170, 275-295.	1.0	18
24	Modeling spatial anisotropy via regression with partial differential regularization. <i>Journal of Multivariate Analysis</i> , 2018, 167, 15-30.	1.0	14
25	Analysis of AneuRisk65 data: β -mean alignment. <i>Electronic Journal of Statistics</i> , 2014, 8, .	0.7	12
26	Spatial Regression With Partial Differential Equation Regularisation. <i>International Statistical Review</i> , 2021, 89, 505-531.	1.9	12
27	PCA-based discrimination of partially observed functional data, with an application to AneuRisk65 data set. <i>Statistica Neerlandica</i> , 2018, 72, 246-264.	1.6	11
28	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.. <i>Journal of Clinical Oncology</i> , 2014, 32, 377-377.	1.6	11
29	Generalized spatial regression with differential regularization. <i>Journal of Statistical Computation and Simulation</i> , 2016, 86, 2497-2518.	1.2	9
30	Spatial Functional Data Analysis. <i>Contributions To Statistics</i> , 2011, , 269-275.	0.2	8
31	Principal differential analysis of the Aneurisk65 data set. <i>Advances in Data Analysis and Classification</i> , 2014, 8, 287-302.	1.4	5
32	FunChIP: an R/Bioconductor package for functional classification of ChIP-seq shapes. <i>Bioinformatics</i> , 2017, 33, 2570-2572.	4.1	5
33	Some first results on the consistency of spatial regression with partial differential equation regularization. <i>Statistica Sinica</i> , 2022, , .	0.3	5
34	Smoothing spatio-temporal data with complex missing data patterns. <i>Statistical Modelling</i> , 2023, 23, 327-356.	1.1	5
35	Integrated Depths for Partially Observed Functional Data. <i>Journal of Computational and Graphical Statistics</i> , 0, , 1-25.	1.7	5
36	Analysis of proteomics data: Block β -mean alignment. <i>Electronic Journal of Statistics</i> , 2014, 8, .	0.7	4

#	ARTICLE	IF	CITATIONS
37	Latent diffusion models for survival analysis. <i>Bernoulli</i> , 2010, 16, .	1.3	3
38	Analysis of spike train data: An application of \mathbb{R}^k -mean alignment. <i>Electronic Journal of Statistics</i> , 2014, 8, .	0.7	3
39	A novel approach to the analysis of spatial and functional data over complex domains. <i>Quality Engineering</i> , 2020, 32, 181-190.	1.1	3
40	Object Oriented Data Analysis: A few methodological challenges. <i>Biometrical Journal</i> , 2014, 56, 774-777.	1.0	2
41	Nonparametric density estimation over complicated domains. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2021, 83, 346-368.	2.2	2
42	A look at the spatio-temporal mortality patterns in Italy during the COVID-19 pandemic through the lens of mortality densities. <i>Spatial Statistics</i> , 2022, 49, 100541.	1.9	2
43	Functional data analysis of neuroimaging signals associated with cerebral activity in the brain cortex. <i>Contributions To Statistics</i> , 2017, , 169-172.	0.2	2
44	Some first inferential tools for spatial regression with differential regularization. <i>Journal of Multivariate Analysis</i> , 2022, 189, 104866.	1.0	2
45	A roughness penalty approach to estimate densities over two-dimensional manifolds. <i>Computational Statistics and Data Analysis</i> , 2022, , 107527.	1.2	2
46	A Bayesian Approach to Spatial Prediction With Flexible Variogram Models. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2012, 17, 209-227.	1.4	1
47	Rejoinder: Analysis of AneuRisk65 data. <i>Electronic Journal of Statistics</i> , 2014, 8, .	0.7	1
48	Analysis of juggling data: An application of \mathbb{R}^k -mean alignment. <i>Electronic Journal of Statistics</i> , 2014, 8, .	0.7	1
49	Explorative Functional Data Analysis for 3D-geometries of the Inner Carotid Artery. <i>Contributions To Statistics</i> , 2008, , 289-295.	0.2	1
50	Spatial Smoothing for Data Distributed over Non-planar Domains. <i>Contributions To Statistics</i> , 2013, , 123-135.	0.2	1
51	Wavelets Smoothing for Multidimensional Curves. <i>Contributions To Statistics</i> , 2011, , 255-261.	0.2	0
52	Analysis of Telecom Italia Mobile Phone Data by Space-time Regression with Differential Regularization. <i>Contributions To Statistics</i> , 2020, , 5-10.	0.2	0
53	A Functional Data Analysis Approach to the Estimation of Densities over Complex Regions. <i>Contributions To Statistics</i> , 2020, , 77-82.	0.2	0