Maria Dolores Ugarte

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Gender, age, socio-demographic and lifestyle factors associated with major dietary patterns in the Spanish Project SUN (Seguimiento Universidad de Navarra). European Journal of Clinical Nutrition, 2003, 57, 285-292.	2.9	164
2	On fitting spatio-temporal disease mapping models using approximate Bayesian inference. Statistical Methods in Medical Research, 2014, 23, 507-530.	1.5	78
3	Relation between Temperature and Mortality in Thirteen Spanish Cities. International Journal of Environmental Research and Public Health, 2010, 7, 3196-3210.	2.6	72
4	Alternative Models for Describing Spatial Dependence among Dwelling Selling Prices. Journal of Real Estate Finance and Economics, 2004, 29, 193-209.	1.5	66
5	Detecting Interaction Between Random Region and Fixed Age Effects in Disease Mapping. Biometrics, 2001, 57, 197-202.	1.4	58
6	A longitudinal study of antioxidant status in phenylketonuric patients. Clinical Biochemistry, 2004, 37, 198-203.	1.9	57
7	Spatioâ€ŧemporal modeling of mortality risks using penalized splines. Environmetrics, 2010, 21, 270-289.	1.4	57
8	On the Performances of Trend and Change-Point Detection Methods for Remote Sensing Data. Remote Sensing, 2020, 12, 1008.	4.0	50
9	Sustainability of traditional pastoral fires in highlands under global change: Effects on soil function and nutrient cycling. Agriculture, Ecosystems and Environment, 2016, 235, 155-163.	5.3	48
10	In spatio-temporal disease mapping models, identifiability constraints affect PQL and INLA results. Stochastic Environmental Research and Risk Assessment, 2018, 32, 749-770.	4.0	45
11	A taxometric analysis of schizophrenia symptoms. Psychiatry Research, 2007, 150, 245-253.	3.3	41
12	The use of mixture models for identifying high risks in disease mapping. Statistics in Medicine, 2001, 20, 2035-2049.	1.6	37
13	Tailoring the structural and magnetic properties of Co-Zn nanosized ferrites for hyperthermia applications. Journal of Magnetism and Magnetic Materials, 2018, 465, 211-219.	2.3	37
14	Spline smoothing in small area trend estimation and forecasting. Computational Statistics and Data Analysis, 2009, 53, 3616-3629.	1.2	36
15	Cold storage of initial plant material affects positively somatic embryogenesis in Pinus radiata. New Forests, 2015, 46, 309-317.	1.7	35
16	Environmental conditions at the initial stages of Pinus radiata somatic embryogenesis affect the production of somatic embryos. Trees - Structure and Function, 2016, 30, 949-958.	1.9	35
17	A statistical algorithm showing coenzyme Q10 and citrate synthase as biomarkers for mitochondrial respiratory chain enzyme activities. Scientific Reports, 2016, 6, 15.	3.3	34
18	Effect of Thermal Stress on Tissue Ultrastructure and Metabolite Profiles During Initiation of Radiata Pine Somatic Embryogenesis. Frontiers in Plant Science, 2018, 9, 2004.	3.6	34

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19	Evaluating the performance of spatioâ€ŧemporal Bayesian models in disease mapping. Environmetrics, 2009, 20, 647-665.	1.4	32
20	Enhancement of self-regulation, assertiveness, and empathy. Learning and Instruction, 2003, 13, 423-439.	3.2	31
21	Spatio-temporal trends in gastric cancer mortality in Spain: 1975–2008. Cancer Epidemiology, 2013, 37, 360-369.	1.9	28
22	Penalized quasi-likelihood with spatially correlated data. Computational Statistics and Data Analysis, 2004, 45, 235-248.	1.2	27
23	Empirical Bayes and Fully Bayes procedures to detect high-risk areas in disease mapping. Computational Statistics and Data Analysis, 2009, 53, 2938-2949.	1.2	25
24	One-dimensional, two-dimensional, and three dimensional B-splines to specify space –time interactions in Bayesian disease mapping: Model fitting and model identifiability. Spatial Statistics, 2017, 22, 451-468.	1.9	22
25	Temperature and Water Availability During Maturation Affect the Cytokinins and Auxins Profile of Radiata Pine Somatic Embryos. Frontiers in Plant Science, 2018, 9, 1898.	3.6	22
26	Crime Against Women in India: Unveiling Spatial Patterns and Temporal Trends of Dowry Deaths in the Districts of Uttar Pradesh. Journal of the Royal Statistical Society Series A: Statistics in Society, 2020, 183, 655-679.	1.1	22
27	Immediate and long-term effects of a cognitive intervention on intelligence, self-regulation, and academic achievement. European Journal of Psychology of Education, 2003, 18, 59-74.	2.6	21
28	Prediction error estimators in Empirical Bayes disease mapping. Environmetrics, 2008, 19, 287-300.	1.4	21
29	A P-spline ANOVA type model in space-time disease mapping. Stochastic Environmental Research and Risk Assessment, 2012, 26, 835-845.	4.0	21
30	<i>Pinus halepensis</i> somatic embryogenesis is affected by the physical and chemical conditions at the initial stages of the process. Journal of Forest Research, 2016, 21, 143-150.	1.4	21
31	A two-stage approach to estimate spatial and spatio-temporal disease risks in the presence of local discontinuities and clusters. Statistical Methods in Medical Research, 2019, 28, 2595-2613.	1.5	21
32	Modelling risks in disease mapping. Statistical Methods in Medical Research, 2006, 15, 21-35.	1.5	20
33	Benchmarked estimates in small areas using linear mixed models with restrictions. Test, 2009, 18, 342-364.	1.1	20
34	Projections of cancer mortality risks using spatio-temporal P-spline models. Statistical Methods in Medical Research, 2012, 21, 545-560.	1.5	20
35	Comparing CAR and P-spline models in spatial disease mapping. Environmental and Ecological Statistics, 2012, 19, 573-599.	3.5	20
36	Functional time series analysis of spatio–temporal epidemiological data. Stochastic Environmental Research and Risk Assessment, 2014, 28, 943-954.	4.0	20

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37	Smoothing and high risk areas detection in space-time disease mapping: a comparison of P-splines, autoregressive, and moving average models. Stochastic Environmental Research and Risk Assessment, 2017, 31, 403-415.	4.0	19
38	Stochastic Spatio-Temporal Models for Analysing NDVI Distribution of GIMMS NDVI3g Images. Remote Sensing, 2017, 9, 76.	4.0	19
39	Induction of Radiata Pine Somatic Embryogenesis at High Temperatures Provokes a Long-Term Decrease in DNA Methylation/Hydroxymethylation and Differential Expression of Stress-Related Genes. Plants, 2020, 9, 1762.	3.5	19
40	Probability and Statistics with R. , O, , .		19
41	Analyzing Censored Spatial Data. Mathematical Geosciences, 1999, 31, 551-561.	0.9	18
42	Age-space-time CAR models in Bayesian disease mapping. Statistics in Medicine, 2016, 35, 2391-2405.	1.6	18
43	Cytokinins are involved in drought tolerance of <i>Pinus radiata</i> plants originating from embryonal masses induced at high temperatures. Tree Physiology, 2021, 41, 912-926.	3.1	18
44	Alleviating confounding in spatio-temporal areal models with an application on crimes against women in India. Statistical Modelling, 2023, 23, 9-30.	1.1	18
45	Spatial gender-age-period-cohort analysis of pancreatic cancer mortality in Spain (1990–2013). PLoS ONE, 2017, 12, e0169751.	2.5	18
46	Outliers detection in multivariate spatial linear models. Journal of Statistical Planning and Inference, 2006, 136, 125-146.	0.6	17
47	Interpolation of the Mean Anomalies for Cloud Filling in Land Surface Temperature and Normalized Difference Vegetation Index. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 6068-6078.	6.3	17
48	Bayesian inference in multivariate spatio-temporal areal models using INLA: analysis of gender-based violence in small areas. Stochastic Environmental Research and Risk Assessment, 2020, 34, 1421-1440.	4.0	17
49	Testing for Poisson Zero Inflation in Disease Mapping. Biometrical Journal, 2004, 46, 526-539.	1.0	16
50	Age-Specific Spatio-Temporal Patterns of Female Breast Cancer Mortality in Spain (1975–2005). Annals of Epidemiology, 2010, 20, 906-916.	1.9	16
51	Modelling aboveground tree biomass while achieving the additivity property. Environmental and Ecological Statistics, 2011, 18, 367-384.	3.5	15
52	Interpolation of daily rainfall using spatiotemporal models and clustering. International Journal of Climatology, 2015, 35, 1453-1464.	3.5	15
53	Two-level spatially structured models in spatio-temporal disease mapping. Statistical Methods in Medical Research, 2016, 25, 1080-1100.	1.5	15
54	Assessing the covariance function in geostatistics. Statistics and Probability Letters, 2001, 52, 199-206.	0.7	13

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55	Detection of spatial variation in risk when using CAR models for smoothing relative risks. Stochastic Environmental Research and Risk Assessment, 2005, 19, 33-40.	4.0	13
56	Scalable Bayesian modelling for smoothing disease risks in large spatial data sets using INLA. Spatial Statistics, 2021, 41, 100496.	1.9	13
57	Gender-specific spatio-temporal patterns of colorectal cancer incidence in Navarre, Spain (1990–2005). Cancer Epidemiology, 2012, 36, 254-262.	1.9	12
58	Two-level resolution of relative risk of dengue disease in a hyperendemic city of Colombia. PLoS ONE, 2018, 13, e0203382.	2.5	12
59	SEARCHING FOR HOUSING SUBMARKETS USING MIXTURES OF LINEAR MODELS. Advances in Econometrics, 0, , 259-276.	0.3	11
60	Using small area models to estimate the total area occupied by olive trees. Journal of Agricultural, Biological, and Environmental Statistics, 2006, 11, 450-461.	1.4	11
61	A BLUP Synthetic Versus an EBLUP Estimator: An Empirical Study of a Small Area Estimation Problem. Journal of Applied Statistics, 2007, 34, 153-165.	1.3	11
62	Longitudinal analysis of spatially correlated data. Stochastic Environmental Research and Risk Assessment, 2008, 22, 49-57.	4.0	10
63	Deriving Small Area Estimates from Information Technology Business Surveys. Journal of the Royal Statistical Society Series A: Statistics in Society, 2015, 178, 1051-1067.	1.1	10
64	Online relative risks/rates estimation in spatial and spatio-temporal disease mapping. Computer Methods and Programs in Biomedicine, 2019, 172, 103-116.	4.7	10
65	Flexible Bayesian P-splines for smoothing age-specific spatio-temporal mortality patterns. Statistical Methods in Medical Research, 2019, 28, 384-403.	1.5	10
66	Pinus spp. Somatic Embryo Conversion under High Temperature: Effect on the Morphological and Physiological Characteristics of Plantlets. Forests, 2020, 11, 1181.	2.1	10
67	A gm estimation of the location parameters in a spatial linear model. Communications in Statistics - Theory and Methods, 1997, 26, 1701-1725.	1.0	9
68	Evaluating spaceâ€ŧime models for shortâ€ŧerm cancer mortality risk predictions in small areas. Biometrical Journal, 2014, 56, 383-402.	1.0	9
69	Analyzing the evolution of young people's brain cancer mortality in Spanish provinces. Cancer Epidemiology, 2015, 39, 480-485.	1.9	9
70	Joint modelling of brain cancer incidence and mortality using Bayesian age- and gender-specific shared component models. Stochastic Environmental Research and Risk Assessment, 2018, 32, 2951-2969.	4.0	9
71	Dealing with risk discontinuities to estimate cancer mortality risks when the number of small areas is large. Statistical Methods in Medical Research, 2021, 30, 6-21.	1.5	9
72	Estimating the percentage of food expenditure in small areas using bias-corrected -spline based estimators. Computational Statistics and Data Analysis, 2012, 56, 2934-2948.	1.2	8

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73	New trends on the permutability equation. Aequationes Mathematicae, 2014, 88, 211-232.	0.8	8
74	Temporal evolution of brain cancer incidence in the municipalities of Navarre and the Basque Country, Spain. BMC Public Health, 2015, 15, 1018.	2.9	8
75	Filling missing data and smoothing altered data in satellite imagery with a spatial functional procedure. Stochastic Environmental Research and Risk Assessment, 2019, 33, 1737-1750.	4.0	8
76	Short communication: The effect of changing temperature and agar concentration at proliferation stage in the final success of Aleppo pine somatic embryogenesis. Forest Systems, 2018, 26, eSC05.	0.3	8
77	Multivariate Bayesian spatio-temporal P-spline models to analyze crimes against women. Biostatistics, 2023, 24, 562-584.	1.5	8
78	Are we able to modulate the response of somatic embryos of pines to drought stress?. Acta Horticulturae, 2017, , 77-84.	0.2	7
79	Using RGISTools to Estimate Water Levels in Reservoirs and Lakes. Remote Sensing, 2020, 12, 1934.	4.0	7
80	Age- and sex-specific spatio-temporal patterns of colorectal cancer mortality in Spain (1975-2008). Population Health Metrics, 2014, 12, 17.	2.7	6
81	Hybrid Pine (Pinus attenuata × Pinus radiata) Somatic Embryogenesis: What Do You Prefer, Mother or Nurse?. Forests, 2021, 12, 45.	2.1	6
82	Robust trend parameters in a multivariate spatial linear model. Test, 2003, 12, 445-457.	1.1	5
83	Confidence Intervals for Relative Risks in Disease Mapping. Biometrical Journal, 2003, 45, 410-425.	1.0	5
84	Testing for space–time interaction in conditional autoregressive models. Environmetrics, 2012, 23, 3-11.	1.4	5
85	Mapping GPS positional errors using spatial linear mixed models. Journal of Geodesy, 2013, 87, 675-685.	3.6	5
86	Detecting Change-Points in the Time Series of Surfaces Occupied by Pre-defined NDVI Categories in Continental Spain from 1981 to 2015. Studies in Systems, Decision and Control, 2018, , 295-307.	1.0	5
87	Robust Predictions of Rainfall in Navarre, Spain. Quantitative Geology and Geostatistics, 2001, , 79-90.	0.1	5
88	Identifying extreme COVID-19 mortality risks in English small areas: a disease cluster approach. Stochastic Environmental Research and Risk Assessment, 2022, 36, 2995-3010.	4.0	5
89	High temperature and water deficit cause epigenetic changes in somatic plants of Pinus radiata D. Don. Plant Cell, Tissue and Organ Culture, 2022, 151, 107-121.	2.3	5
90	Goals and Personality in Adolescents. School Psychology International, 2006, 27, 370-381.	1.9	4

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91	Combining sampling and model weights in agriculture small area estimation. Environmetrics, 2007, 18, 87-99.	1.4	4
92	An Introduction to the Spatio-Temporal Analysis of Satellite Remote Sensing Data for Geostatisticians. , 2018, , 239-253.		4
93	Steering the synthesis of Fe3O4 nanoparticles under sonication by using a fractional factorial design. Materials Chemistry and Physics, 2021, 270, 124760.	4.0	4
94	Estimating LOCP cancer mortality rates in small domains in Spain using its relationship with lung cancer. Scientific Reports, 2021, 11, 22273.	3.3	4
95	Checking unimodality using isotonic regression: an application to breast cancer mortality rates. Stochastic Environmental Research and Risk Assessment, 2016, 30, 1277-1288.	4.0	3
96	Improving the Quality of Satellite Imagery Based on Ground-Truth Data from Rain Gauge Stations. Remote Sensing, 2018, 10, 398.	4.0	3
97	Space-time analysis of ovarian cancer mortality rates by age groups in spanish provinces (1989–2015). BMC Public Health, 2020, 20, 1244.	2.9	3
98	Machine Learning Procedures for Daily Interpolation of Rainfall in Navarre (Spain). Studies in Systems, Decision and Control, 2023, , 399-413.	1.0	3
99	Adjusting economic estimates in business surveys. Journal of Applied Statistics, 2008, 35, 1253-1265.	1.3	2
100	Comments on: Missing data methods in longitudinal studies: a review. Test, 2009, 18, 44-46.	1.1	2
101	Locally adaptive change-point detection (LACPD) with applications to environmental changes. Stochastic Environmental Research and Risk Assessment, 0, , 1.	4.0	1
102	The use of mixture models for identifying high risks in disease mapping. Statistics in Medicine, 2001, 20, 2035-2049.	1.6	1
103	Space-time interactions in Bayesian disease mapping with recent tools: Making things easier for practitioners. Statistical Methods in Medical Research, 2022, 31, 1085-1103.	1.5	1
104	A cohort study to estimate occupational mortality risks in Navarra. European Journal of Public Health, 2005, 15, 305-312.	0.3	0
105	Statistical Modelling in GLIM4, 2nd edn by M. Aitkin, B. Francis and J. Hinde. Journal of the Royal Statistical Society Series A: Statistics in Society, 2006, 169, 652-652.	1.1	0
106	More on functional data analysis and other aspects in OODA. Biometrical Journal, 2014, 56, 786-789.	1.0	0
107	Comments on: "Single and two-stage cross-sectional and time series benchmarking procedures for small area estimation― Test, 2014, 23, 680-685.	1.1	0
108	GEOMED 2013 Editorial. Statistical Methods in Medical Research, 2014, 23, 487-487.	1.5	0

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109	Bayesian Modeling Approach in Big Data Contexts: an Application in Spatial Epidemiology. , 2020, , .		0