

Tomas Goicoa

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

1,090
citations

394421

19
h-index

501196

28
g-index

60
all docs

60
docs citations

60
times ranked

922
citing authors

#	ARTICLE	IF	CITATIONS
1	On fitting spatio-temporal disease mapping models using approximate Bayesian inference. <i>Statistical Methods in Medical Research</i> , 2014, 23, 507-530.	1.5	78
2	Spatio-temporal modeling of mortality risks using penalized splines. <i>Environmetrics</i> , 2010, 21, 270-289.	1.4	57
3	Sustainability of traditional pastoral fires in highlands under global change: Effects on soil function and nutrient cycling. <i>Agriculture, Ecosystems and Environment</i> , 2016, 235, 155-163.	5.3	48
4	In spatio-temporal disease mapping models, identifiability constraints affect PQL and INLA results. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 749-770.	4.0	45
5	A taxometric analysis of schizophrenia symptoms. <i>Psychiatry Research</i> , 2007, 150, 245-253.	3.3	41
6	Spline smoothing in small area trend estimation and forecasting. <i>Computational Statistics and Data Analysis</i> , 2009, 53, 3616-3629.	1.2	36
7	Cold storage of initial plant material affects positively somatic embryogenesis in <i>Pinus radiata</i> . <i>New Forests</i> , 2015, 46, 309-317.	1.7	35
8	Environmental conditions at the initial stages of <i>Pinus radiata</i> somatic embryogenesis affect the production of somatic embryos. <i>Trees - Structure and Function</i> , 2016, 30, 949-958.	1.9	35
9	Effect of Thermal Stress on Tissue Ultrastructure and Metabolite Profiles During Initiation of <i>Radiata Pine</i> Somatic Embryogenesis. <i>Frontiers in Plant Science</i> , 2018, 9, 2004.	3.6	34
10	Evaluating the performance of spatio-temporal Bayesian models in disease mapping. <i>Environmetrics</i> , 2009, 20, 647-665.	1.4	32
11	Spatio-temporal trends in gastric cancer mortality in Spain: 1975-2008. <i>Cancer Epidemiology</i> , 2013, 37, 360-369.	1.9	28
12	Empirical Bayes and Fully Bayes procedures to detect high-risk areas in disease mapping. <i>Computational Statistics and Data Analysis</i> , 2009, 53, 2938-2949.	1.2	25
13	One-dimensional, two-dimensional, and three dimensional B-splines to specify space-time interactions in Bayesian disease mapping: Model fitting and model identifiability. <i>Spatial Statistics</i> , 2017, 22, 451-468.	1.9	22
14	Temperature and Water Availability During Maturation Affect the Cytokinins and Auxins Profile of <i>Radiata Pine</i> Somatic Embryos. <i>Frontiers in Plant Science</i> , 2018, 9, 1898.	3.6	22
15	Crime Against Women in India: Unveiling Spatial Patterns and Temporal Trends of Dowry Deaths in the Districts of Uttar Pradesh. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 2020, 183, 655-679.	1.1	22
16	Prediction error estimators in Empirical Bayes disease mapping. <i>Environmetrics</i> , 2008, 19, 287-300.	1.4	21
17	A P-spline ANOVA type model in space-time disease mapping. <i>Stochastic Environmental Research and Risk Assessment</i> , 2012, 26, 835-845.	4.0	21
18	<i>Pinus halepensis</i> somatic embryogenesis is affected by the physical and chemical conditions at the initial stages of the process. <i>Journal of Forest Research</i> , 2016, 21, 143-150.	1.4	21

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19	A two-stage approach to estimate spatial and spatio-temporal disease risks in the presence of local discontinuities and clusters. <i>Statistical Methods in Medical Research</i> , 2019, 28, 2595-2613.	1.5	21
20	Benchmarked estimates in small areas using linear mixed models with restrictions. <i>Test</i> , 2009, 18, 342-364.	1.1	20
21	Projections of cancer mortality risks using spatio-temporal P-spline models. <i>Statistical Methods in Medical Research</i> , 2012, 21, 545-560.	1.5	20
22	Comparing CAR and P-spline models in spatial disease mapping. <i>Environmental and Ecological Statistics</i> , 2012, 19, 573-599.	3.5	20
23	Smoothing and high risk areas detection in space-time disease mapping: a comparison of P-splines, autoregressive, and moving average models. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017, 31, 403-415.	4.0	19
24	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. <i>Plants</i> , 2020, 9, 1762.	3.5	19
25	Age-space-time CAR models in Bayesian disease mapping. <i>Statistics in Medicine</i> , 2016, 35, 2391-2405.	1.6	18
26	Cytokinins are involved in drought tolerance of <i>Pinus radiata</i> plants originating from embryonal masses induced at high temperatures. <i>Tree Physiology</i> , 2021, 41, 912-926.	3.1	18
27	Alleviating confounding in spatio-temporal areal models with an application on crimes against women in India. <i>Statistical Modelling</i> , 2023, 23, 9-30.	1.1	18
28	Spatial gender-age-period-cohort analysis of pancreatic cancer mortality in Spain (1990–2013). <i>PLoS ONE</i> , 2017, 12, e0169751.	2.5	18
29	Enhancement of thinking skills: Effects of two intervention methods. <i>Thinking Skills and Creativity</i> , 2009, 4, 30-43.	3.5	17
30	Bayesian inference in multivariate spatio-temporal areal models using INLA: analysis of gender-based violence in small areas. <i>Stochastic Environmental Research and Risk Assessment</i> , 2020, 34, 1421-1440.	4.0	17
31	Age-Specific Spatio-Temporal Patterns of Female Breast Cancer Mortality in Spain (1975–2005). <i>Annals of Epidemiology</i> , 2010, 20, 906-916.	1.9	16
32	Modelling aboveground tree biomass while achieving the additivity property. <i>Environmental and Ecological Statistics</i> , 2011, 18, 367-384.	3.5	15
33	Interpolation of daily rainfall using spatiotemporal models and clustering. <i>International Journal of Climatology</i> , 2015, 35, 1453-1464.	3.5	15
34	Two-level spatially structured models in spatio-temporal disease mapping. <i>Statistical Methods in Medical Research</i> , 2016, 25, 1080-1100.	1.5	15
35	Gender-specific spatio-temporal patterns of colorectal cancer incidence in Navarre, Spain (1990–2005). <i>Cancer Epidemiology</i> , 2012, 36, 254-262.	1.9	12
36	SEARCHING FOR HOUSING SUBMARKETS USING MIXTURES OF LINEAR MODELS. <i>Advances in Econometrics</i> , 0, , 259-276.	0.3	11

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37	Using small area models to estimate the total area occupied by olive trees. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2006, 11, 450-461.	1.4	11
38	A BLUP Synthetic Versus an EBLUP Estimator: An Empirical Study of a Small Area Estimation Problem. <i>Journal of Applied Statistics</i> , 2007, 34, 153-165.	1.3	11
39	Deriving Small Area Estimates from Information Technology Business Surveys. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 2015, 178, 1051-1067.	1.1	10
40	Online relative risks/rates estimation in spatial and spatio-temporal disease mapping. <i>Computer Methods and Programs in Biomedicine</i> , 2019, 172, 103-116.	4.7	10
41	Flexible Bayesian P-splines for smoothing age-specific spatio-temporal mortality patterns. <i>Statistical Methods in Medical Research</i> , 2019, 28, 384-403.	1.5	10
42	Pinus spp. Somatic Embryo Conversion under High Temperature: Effect on the Morphological and Physiological Characteristics of Plantlets. <i>Forests</i> , 2020, 11, 1181.	2.1	10
43	Evaluating space-time models for short-term cancer mortality risk predictions in small areas. <i>Biometrical Journal</i> , 2014, 56, 383-402.	1.0	9
44	Analyzing the evolution of young people's brain cancer mortality in Spanish provinces. <i>Cancer Epidemiology</i> , 2015, 39, 480-485.	1.9	9
45	Joint modelling of brain cancer incidence and mortality using Bayesian age- and gender-specific shared component models. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 2951-2969.	4.0	9
46	Estimating the percentage of food expenditure in small areas using bias-corrected -spline based estimators. <i>Computational Statistics and Data Analysis</i> , 2012, 56, 2934-2948.	1.2	8
47	Temporal evolution of brain cancer incidence in the municipalities of Navarre and the Basque Country, Spain. <i>BMC Public Health</i> , 2015, 15, 1018.	2.9	8
48	Short communication: The effect of changing temperature and agar concentration at proliferation stage in the final success of Aleppo pine somatic embryogenesis. <i>Forest Systems</i> , 2018, 26, eSC05.	0.3	8
49	Multivariate Bayesian spatio-temporal P-spline models to analyze crimes against women. <i>Biostatistics</i> , 2023, 24, 562-584.	1.5	8
50	Are we able to modulate the response of somatic embryos of pines to drought stress?. <i>Acta Horticulturae</i> , 2017, , 77-84.	0.2	7
51	Age- and sex-specific spatio-temporal patterns of colorectal cancer mortality in Spain (1975-2008). <i>Population Health Metrics</i> , 2014, 12, 17.	2.7	6
52	Hybrid Pine (<i>Pinus attenuata</i> × <i>Pinus radiata</i>) Somatic Embryogenesis: What Do You Prefer, Mother or Nurse?. <i>Forests</i> , 2021, 12, 45.	2.1	6
53	Testing for space-time interaction in conditional autoregressive models. <i>Environmetrics</i> , 2012, 23, 3-11.	1.4	5
54	High temperature and water deficit cause epigenetic changes in somatic plants of <i>Pinus radiata</i> D. Don. <i>Plant Cell, Tissue and Organ Culture</i> , 2022, 151, 107-121.	2.3	5

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55	Combining sampling and model weights in agriculture small area estimation. <i>Environmetrics</i> , 2007, 18, 87-99.	1.4	4
56	Adjusting economic estimates in business surveys. <i>Journal of Applied Statistics</i> , 2008, 35, 1253-1265.	1.3	2
57	Space-time interactions in Bayesian disease mapping with recent tools: Making things easier for practitioners. <i>Statistical Methods in Medical Research</i> , 2022, 31, 1085-1103.	1.5	1
58	CHEMICAL AND PHYSICAL CHANGES IN THE ENVIRONMENT OF PINUS RADIATE EMBRYOGENIC TISSUE ALONG INITIATION STAGE: IMPLICATIONS IN THE SOMATIC PLANTLET DEVELOPMENT. <i>Acta Horticulturae</i> , 2015, , 95-102.	0.2	0
59	Comments on: Modular regression - a Lego system for building structured additive distributional regression models with tensor product interactions. <i>Test</i> , 2019, 28, 40-42.	1.1	0