List of Publications by Year in descending order

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ΗΔΎννας Ριιε

#	Article	IF	CITATIONS
1	Stable Non-Linear Generalized Bayesian Joint Models for Survival-Longitudinal Data. Sankhya A, 2023, 85, 102-128.	0.8	3
2	Estimating Tukey depth using incremental quantile estimators. Pattern Recognition, 2022, 122, 108339.	8.1	4
3	Smart Gradient - An adaptive technique for improving gradient estimation. , 2022, 4, 123.		5
4	The SPDE approach for Gaussian and non-Gaussian fields: 10 years and still running. Spatial Statistics, 2022, 50, 100599.	1.9	33
5	Finite-sample properties of estimators for first and second order autoregressive processes. Statistical Inference for Stochastic Processes, 2022, 25, 577-598.	0.6	1
6	Importance Sampling with the Integrated Nested Laplace Approximation. Journal of Computational and Graphical Statistics, 2022, 31, 1225-1237.	1.7	5
7	Variance partitioning in spatio-temporal disease mapping models. Statistical Methods in Medical Research, 2022, 31, 1566-1578.	1.5	2
8	Modelling Sub-daily Precipitation Extremes with the Blended Generalised Extreme Value Distribution. Journal of Agricultural, Biological, and Environmental Statistics, 2022, 27, 598-621.	1.4	3
9	Practical strategies for generalized extreme valueâ€based regression models for extremes. Environmetrics, 2022, 33, .	1.4	13
10	Unemployment estimation: Spatial point referenced methods and models. Spatial Statistics, 2021, 41, 100345.	1.9	4
11	Improving Bayesian Local Spatial Models in Large Datasets. Journal of Computational and Graphical Statistics, 2021, 30, 349-359.	1.7	3
12	Spatial Models Using Laplace Approximation Methods. , 2021, , 1943-1959.		1
13	Competing risks joint models using R-INLA. Statistical Modelling, 2021, 21, 56-71.	1.1	9
14	Combined effects of hydrometeorological hazards and urbanisation on dengue risk in Brazil: a spatiotemporal modelling study. Lancet Planetary Health, The, 2021, 5, e209-e219.	11.4	67
15	A novel method of marginalisation using low discrepancy sequences for integrated nested Laplace approximations. Computational Statistics and Data Analysis, 2021, 157, 107147.	1.2	1
16	Joint tracking of multiple quantiles through conditional quantiles. Information Sciences, 2021, 563, 40-58.	6.9	3
17	A principled distance-based prior for the shape of the Weibull model. Statistics and Probability Letters, 2021, 174, 109098.	0.7	4
18	Sensitivity and identification quantification by a relative latent model complexity perturbation in Bayesian metaâ€analysis. Biometrical Journal, 2021, 63, 1555-1574.	1.0	4

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19	Integrated nested Laplace approximations for threshold stochastic volatility models. Econometrics and Statistics, 2021, , .	0.8	0
20	New Frontiers in Bayesian Modeling Using the INLA Package in <i>R</i> . Journal of Statistical Software, 2021, 100, .	3.7	21
21	Estimating Spatial Econometrics Models with Integrated Nested Laplace Approximation. Mathematics, 2021, 9, 2044.	2.2	10
22	Tracking of multiple quantiles in dynamically varying data streams. Pattern Analysis and Applications, 2020, 23, 225-237.	4.6	3
23	Spatio-temporal models for georeferenced unemployment data. Spatial Statistics, 2020, 40, 100363.	1.9	0
24	Discrete versus continuous domain models for disease mapping. Spatial and Spatio-temporal Epidemiology, 2020, 32, 100319.	1.7	12
25	Bayesian Model Averaging with the Integrated Nested Laplace Approximation. Econometrics, 2020, 8, 23.	0.9	13
26	A Bayesian spatiotemporal statistical analysis of outâ€ofâ€hospital cardiac arrests. Biometrical Journal, 2020, 62, 1105-1119.	1.0	6
27	Intuitive Joint Priors for Variance Parameters. Bayesian Analysis, 2020, 15, .	3.0	15
28	Estimating Animal Abundance with N-Mixture Models Using the R-INLA Package for R. Journal of Statistical Software, 2020, 95, .	3.7	3
29	Statistical estimation of global surface temperature response to forcing under the assumption of temporal scaling. Earth System Dynamics, 2020, 11, 329-345.	7.1	7
30	A Spliced Gamma-Generalized Pareto Model for Short-Term Extreme Wind Speed Probabilistic Forecasting. Journal of Agricultural, Biological, and Environmental Statistics, 2019, 24, 517-534.	1.4	14
31	Non-stationary Gaussian models with physical barriers. Spatial Statistics, 2019, 29, 268-288.	1.9	79
32	A Hierarchical Spatiotemporal Statistical Model Motivated by Glaciology. Journal of Agricultural, Biological, and Environmental Statistics, 2019, 24, 669-692.	1.4	3
33	Spatial modeling of Audubon Christmas Bird Counts reveals fineâ€scale patterns and drivers of relative abundance trends. Ecosphere, 2019, 10, e02707.	2.2	29
34	An approximate fractional Gaussian noise model with \$\$mathcal {O}(n)\$\$ O (n) computational cost. Statistics and Computing, 2019, 29, 821-833.	1.5	7
35	A new quantile tracking algorithm using a generalized exponentially weighted average of observations. Applied Intelligence, 2019, 49, 1406-1420.	5.3	9
36	Estimating multilevel regional variation in excess mortality of cancer patients using integrated nested Laplace approximation. Statistics in Medicine, 2019, 38, 778-791.	1.6	10

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37	Careful Prior Specification Avoids Incautious Inference for Log-Gaussian Cox Point Processes. Journal of the Royal Statistical Society Series C: Applied Statistics, 2019, 68, 543-564.	1.0	15
38	Constructing Priors that Penalize the Complexity of Gaussian Random Fields. Journal of the American Statistical Association, 2019, 114, 445-452.	3.1	195
39	A unified view on Bayesian varying coefficient models. Electronic Journal of Statistics, 2019, 13, .	0.7	18
40	Bayesian Generalized Two-way ANOVA Modeling for Functional Data Using INLA. Statistica Sinica, 2019, , .	0.3	5
41	Spatial Models Using Laplace Approximation Methods. , 2019, , 1-16.		3
42	Markov chain Monte Carlo with the Integrated Nested Laplace Approximation. Statistics and Computing, 2018, 28, 1033-1051.	1.5	38
43	Fractional Gaussian noise: Prior specification and model comparison. Environmetrics, 2018, 29, e2457.	1.4	14
44	A note on intrinsic conditional autoregressive models for disconnected graphs. Spatial and Spatio-temporal Epidemiology, 2018, 26, 25-34.	1.7	29
45	INLA goes extreme: Bayesian tail regression for the estimation of high spatio-temporal quantiles. Extremes, 2018, 21, 441-462.	1.0	49
46	Spatial modeling with Râ€INLA: A review. Wiley Interdisciplinary Reviews: Computational Statistics, 2018, 10, e1443.	3.9	210
47	Bayesian Computing with INLA: A Review. Annual Review of Statistics and Its Application, 2017, 4, 395-421.	7.0	405
48	Bayesian bivariate metaâ€analysis of diagnostic test studies with interpretable priors. Statistics in Medicine, 2017, 36, 3039-3058.	1.6	28
49	Penalised Complexity Priors for Stationary Autoregressive Processes. Journal of Time Series Analysis, 2017, 38, 923-935.	1.2	29
50	Penalising Model Component Complexity: A Principled, Practical Approach to Constructing Priors. Statistical Science, 2017, 32, .	2.8	586
51	You Just Keep on Pushing My Love over the Borderline: A Rejoinder. Statistical Science, 2017, 32, .	2.8	1
52	Fast and accurate Bayesian model criticism and conflict diagnostics using Râ€INLA. Stat, 2017, 6, 331-344.	0.4	9
53	Point process models for spatio-temporal distance sampling data from a large-scale survey of blue whales. Annals of Applied Statistics, 2017, 11, .	1.1	62
54	An intuitive Bayesian spatial model for disease mapping that accounts for scaling. Statistical Methods in Medical Research, 2016, 25, 1145-1165.	1.5	250

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55	Penalized complexity priors for degrees of freedom in Bayesian P-splines. Statistical Modelling, 2016, 16, 429-453.	1.1	12
56	Bayesian penalized spline models for the analysis of spatio-temporal count data. Statistics in Medicine, 2016, 35, 1848-1865.	1.6	30
57	Going off grid: computationally efficient inference for log-Gaussian Cox processes. Biometrika, 2016, 103, 49-70.	2.4	113
58	A skew Gaussian decomposable graphical model. Journal of Multivariate Analysis, 2016, 145, 58-72.	1.0	7
59	Sensitivity Analysis for Bayesian Hierarchical Models. Bayesian Analysis, 2015, 10, .	3.0	50
60	Beyond the Valley of the Covariance Function. Statistical Science, 2015, 30, .	2.8	1
61	Improving the INLA approach for approximate Bayesian inference for latent Gaussian models. Electronic Journal of Statistics, 2015, 9, .	0.7	29
62	Does non-stationary spatial data always require non-stationary random fields?. Spatial Statistics, 2015, 14, 505-531.	1.9	71
63	Bayesian analysis of measurement error models using integrated nested Laplace approximations. Journal of the Royal Statistical Society Series C: Applied Statistics, 2015, 64, 231-252.	1.0	64
64	Introduction to "Fast matrix computations for functional additive models―by S. Barthelmé. Statistics and Computing, 2015, 25, 45-45.	1.5	0
65	A New Latent Class to Fit Spatial Econometrics Models with Integrated Nested Laplace Approximations. Procedia Environmental Sciences, 2015, 27, 116-118.	1.4	8
66	A Bayesian Approach to Estimate the Biomass of Anchovies Off the Coast of Perú. Biometrics, 2015, 71, 208-217.	1.4	29
67	Bayesian Spatial Modelling with <i>R</i> - INLA . Journal of Statistical Software, 2015, 63, .	3.7	684
68	Spatial Data Analysis with <i>R</i> - INLA with Some Extensions. Journal of Statistical Software, 2015, 63, .	3.7	103
69	Extending Integrated Nested Laplace Approximation to a Class of Nearâ€Gaussian Latent Models. Scandinavian Journal of Statistics, 2014, 41, 893-912.	1.4	14
70	Approximate Bayesian inference for spatial econometrics models. Spatial Statistics, 2014, 9, 146-165.	1.9	42
71	Spatio-temporal log-Gaussian Cox processes for modelling wildfire occurrence: the case of Catalonia, 1994–2008. Environmental and Ecological Statistics, 2014, 21, 531-563.	3.5	40
72	Geostatistical survival models for environmental risk assessment with large retrospective cohorts. Journal of the Royal Statistical Society Series A: Statistics in Society, 2014, 177, 679-695.	1.1	6

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73	Scaling intrinsic Gaussian Markov random field priors in spatial modelling. Spatial Statistics, 2014, 8, 39-51.	1.9	96
74	Bayesian Adaptive Smoothing Splines Using Stochastic Differential Equations. Bayesian Analysis, 2014, 9, .	3.0	22
75	Spatial Models Using Laplace Approximation Methods. , 2014, , 1401-1417.		9
76	Exploring a New Class of Non-stationary Spatial Gaussian Random Fields with Varying Local Anisotropy. Statistica Sinica, 2014, , .	0.3	15
77	Spatial and spatio-temporal models with R-INLA. Spatial and Spatio-temporal Epidemiology, 2013, 4, 33-49.	1.7	267
78	Bayesian analysis of RNA sequencing data by estimating multiple shrinkage priors. Biostatistics, 2013, 14, 113-128.	1.5	116
79	Bayesian computing with INLA: New features. Computational Statistics and Data Analysis, 2013, 67, 68-83.	1.2	400
80	Spatial and spatio-temporal models with R-INLA. Spatial and Spatio-temporal Epidemiology, 2013, 7, 39-55.	1.7	233
81	Factors involved in health-related transitions after curative resection for pancreatic cancer. 10-Years experience: A multi state model. Cancer Epidemiology, 2013, 37, 91-96.	1.9	7
82	Erratum to "Spatial and spatio-temporal models with R-INLA―[Spat Spatio-tempor Epidemiol 4 (2013) 33–49]. Spatial and Spatio-temporal Epidemiology, 2013, 7, 37.	1.7	1
83	Spatio-temporal modeling of particulate matter concentration through the SPDE approach. AStA Advances in Statistical Analysis, 2013, 97, 109-131.	0.9	252
84	Discussion of †Beyond mean regression'. Statistical Modelling, 2013, 13, 355-361.	1.1	1
85	A toolbox for fitting complex spatial point process models using integrated nested Laplace approximation (INLA). Annals of Applied Statistics, 2012, 6, .	1.1	123
86	Log Gaussian Cox processes and spatially aggregated disease incidence data. Statistical Methods in Medical Research, 2012, 21, 479-507.	1.5	32
87	Estimation and extrapolation of time trends in registry data—Borrowing strength from related populations. Annals of Applied Statistics, 2012, 6, .	1.1	52
88	Hierarchical analysis of spatially autocorrelated ecological data using integrated nested Laplace approximation. Methods in Ecology and Evolution, 2012, 3, 921-929.	5.2	59
89	Think continuous: Markovian Gaussian models in spatial statistics. Spatial Statistics, 2012, 1, 16-29.	1.9	61
90	Spatial Modelling of Lupus Incidence Over 40 Years with Changes in Census Areas. Journal of the Royal Statistical Society Series C: Applied Statistics, 2012, 61, 99-115.	1.0	20

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91	Bayesian multiscale analysis of images modeled as Gaussian Markov random fields. Computational Statistics and Data Analysis, 2012, 56, 49-61.	1.2	13
92	Approximate Bayesian inference for large spatial datasets using predictive process models. Computational Statistics and Data Analysis, 2012, 56, 1362-1380.	1.2	47
93	Direct fitting of dynamic models using integrated nested Laplace approximations — INLA. Computational Statistics and Data Analysis, 2012, 56, 1808-1828.	1.2	47
94	Assessing the Impact of a Movement Network on the Spatiotemporal Spread of Infectious Diseases. Biometrics, 2012, 68, 736-744.	1.4	22
95	Gender-Specific Differences and the Impact of Family Integration on Time Trends in Age-Stratified Swiss Suicide Rates. Journal of the Royal Statistical Society Series A: Statistics in Society, 2012, 175, 473-490.	1.1	10
96	In order to make spatial statistics computationally feasible, we need to forget about the covariance function. Environmetrics, 2012, 23, 65-74.	1.4	68
97	On a hybrid data cloning method and its application in generalized linear mixed models. Statistics and Computing, 2012, 22, 597-613.	1.5	8
98	Approximate Bayesian Inference for Survival Models. Scandinavian Journal of Statistics, 2011, 38, 514-528.	1.4	44
99	Approximate simulation-free Bayesian inference for multiple changepoint models with dependence within segments. Bayesian Analysis, 2011, 6, .	3.0	20
100	Simultaneous Credible Bands for Latent Gaussian Models. Scandinavian Journal of Statistics, 2011, 38, 712-725.	1.4	10
101	An Explicit Link between Gaussian Fields and Gaussian Markov Random Fields: The Stochastic Partial Differential Equation Approach. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2011, 73, 423-498.	2.2	1,665
102	Discussion on "Spatial prediction in the presence of positional error― Environmetrics, 2011, 22, 127-127.	1.4	1
103	Bayesian inference for additive mixed quantile regression models. Computational Statistics and Data Analysis, 2011, 55, 84-96.	1.2	82
104	Estimating stochastic volatility models using integrated nested Laplace approximations. European Journal of Finance, 2011, 17, 487-503.	3.1	19
105	Bayesian bivariate metaâ€analysis of diagnostic test studies using integrated nested Laplace approximations. Statistics in Medicine, 2010, 29, 1325-1339.	1.6	67
106	Case studies in Bayesian computation using INLA. Contributions To Statistics, 2010, , 99-114.	0.2	24
107	Bayesian inference for generalized linear mixed models. Biostatistics, 2010, 11, 397-412.	1.5	205
108	Posterior and Cross-validatory Predictive Checks: A Comparison of MCMC and INLA. , 2010, , 91-110.		102

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109	Discrete Spatial Variation. Chapman & Hall/CRC Interdisciplinary Statistics Series, 2010, , 171-200.	0.4	9
110	Approximate Bayesian Inference in Spatial Generalized Linear Mixed Models. Scandinavian Journal of Statistics, 2009, 36, 1-22.	1.4	19
111	New Doppler-based imaging method in echocardiography with applications in blood/tissue segmentation. Computer Methods and Programs in Biomedicine, 2009, 96, 12-24.	4.7	1
112	Improved auxiliary mixture sampling for hierarchical models ofÂnon-Gaussian data. Statistics and Computing, 2009, 19, 479-492.	1.5	62
113	Approximate Bayesian Inference for Latent Gaussian models by using Integrated Nested Laplace Approximations. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2009, 71, 319-392.	2.2	3,305
114	Bayesian multiscale feature detection of log-spectral densities. Computational Statistics and Data Analysis, 2009, 53, 3746-3754.	1.2	13
115	A Semi-Parametric Spatial Regression Approach to Post-War Human Security: Cambodia, 2002–2004. Asian Journal of Criminology, 2008, 3, 139-158.	1.9	4
116	On the Secondâ€Order Random Walk Model for Irregular Locations. Scandinavian Journal of Statistics, 2008, 35, 691-700.	1.4	70
117	New echocardiographic imaging method based on the bandwidth of the ultrasound Doppler signal with applications in blood/tissue segmentation in the left ventricle. Computer Methods and Programs in Biomedicine, 2008, 92, 279-288.	4.7	7
118	Unsupervised empirical Bayesian multiple testing with external covariates. Annals of Applied Statistics, 2008, 2, .	1.1	47
119	Recursive computing and simulation-free inference for general factorizable models. Biometrika, 2007, 94, 661-672.	2.4	25
120	Approximate Bayesian inference for hierarchical Gaussian Markov random field models. Journal of Statistical Planning and Inference, 2007, 137, 3177-3192.	0.6	151
121	Tentative engineering approach to scour around spherical bodies in random waves. Applied Ocean Research, 2007, 29, 80-85.	4.1	9
122	A Bayesian spatial assimilation scheme for snow coverage observations in a gridded snow model. Hydrology and Earth System Sciences, 2006, 10, 369-381.	4.9	30
123	Bayesian multiscale analysis for time series data. Computational Statistics and Data Analysis, 2006, 51, 1719-1730.	1.2	23
124	Erosion and deposition of mud beneath random waves. Coastal Engineering, 2006, 53, 793-797.	4.0	4
125	Second Order Model for Wave Crests Used in Prediction of Green Water Load and Volume on Ships in Random Waves. Journal of Offshore Mechanics and Arctic Engineering, 2006, 128, 271-275.	1.2	1
126	Joint spatial analysis of gastrointestinal infectious diseases. Statistical Methods in Medical Research, 2006, 15, 465-480.	1.5	31

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127	Specifying a Gaussian Markov Random Field by a Sparse Cholesky Triangle. Communications in Statistics Part B: Simulation and Computation, 2006, 35, 161-176.	1.2	2
128	Scour around group of slender vertical piles in random waves. Applied Ocean Research, 2005, 27, 56-63.	4.1	27
129	Towards joint disease mapping. Statistical Methods in Medical Research, 2005, 14, 61-82.	1.5	135
130	Estimating blood vessel areas in ultrasound images using a deformable template model. Statistical Modelling, 2004, 4, 211-226.	1.1	3
131	Approximating hidden Gaussian Markov random fields. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2004, 66, 877-892.	2.2	22
132	Bottom friction and bedload sediment transport caused by boundary layer streaming beneath random waves. Applied Ocean Research, 2004, 26, 183-197.	4.1	8
133	Tentative engineering approach to scour around breakwaters in random waves. Coastal Engineering, 2004, 51, 1051-1065.	4.0	12
134	Statistical properties of successive wave heights and successive wave periods. Applied Ocean Research, 2004, 26, 114-136.	4.1	47
135	Effects of mRNA amplification on gene expression ratios in cDNA experiments estimated by analysis of variance. BMC Genomics, 2003, 4, 11.	2.8	66
136	Space-varying regression models: specifications and simulation. Computational Statistics and Data Analysis, 2003, 42, 513-533.	1.2	77
137	Scour below pipelines and around vertical piles in random waves. Coastal Engineering, 2003, 48, 227-242.	4.0	30
138	The sea bed boundary layer under random waves plus current. Continental Shelf Research, 2003, 23, 717-750.	1.8	51
139	M-Smoother with local Linear Fit. Journal of Nonparametric Statistics, 2002, 14, 155-168.	0.9	24
140	Fitting Gaussian Markov Random Fields to Gaussian Fields. Scandinavian Journal of Statistics, 2002, 29, 31-49.	1.4	174
141	On Block Updating in Markov Random Field Models for Disease Mapping. Scandinavian Journal of Statistics, 2002, 29, 597-614.	1.4	137
142	A Dynamic Mixture Model for Unsupervised Tail Estimation without Threshold Selection. Extremes, 2002, 5, 219-235.	1.0	127
143	Joint Distributions of Successive Wave Crest Heights and Successive Wave Trough Depths for Second-Order Nonlinear Waves. Journal of Ship Research, 2002, 46, 175-185.	1.1	14
144	Parameter estimation for a deformable template model. Statistics and Computing, 2001, 11, 337-346.	1.5	3

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145	Fast sampling of Gaussian Markov random fields. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2001, 63, 325-338.	2.2	274
146	Seabed shear stresses under irregular waves plus current from Monte Carlo simulations of parameterized models. Coastal Engineering, 2000, 39, 123-147.	4.0	14
147	Prediction and Retrospective Analysis of Soccer Matches in a League. Journal of the Royal Statistical Society: Series D (the Statistician), 2000, 49, 399-418.	0.2	126
148	Bayesian object identification. Biometrika, 1999, 86, 649-660.	2.4	65
149	Block updating in constrained Markov chain Monte Carlo sampling. Statistics and Probability Letters, 1999, 41, 353-361.	0.7	8
150	Identification of partly destroyed objects using deformable templates. Statistics and Computing, 1998, 8, 221-228.	1.5	14
151	Bayesian object recognition with baddeley's delta loss. Advances in Applied Probability, 1998, 30, 64-84.	0.7	6
152	Bayesian object recognition with baddeley's delta loss. Advances in Applied Probability, 1998, 30, 64-84.	0.7	34
153	Joint Distribution of Successive Wave Periods Revisited. Journal of Ship Research, 1998, 42, 199-206.	1.1	13
154	Bayesian Image Classification with Baddeley's Delta Loss. Journal of Computational and Graphical Statistics, 1997, 6, 55.	1.7	4
155	Bayesian Image Classification with Baddeley's Delta Loss. Journal of Computational and Graphical Statistics, 1997, 6, 55-73.	1.7	6
156	A Loss Function Model for the Restoration of Grey Level Images. Scandinavian Journal of Statistics, 1997, 24, 103-114.	1.4	5
157	New Loss Functions in Bayesian Imaging. Journal of the American Statistical Association, 1995, 90, 900-908.	3.1	32
158	New Loss Functions in Bayesian Imaging. Journal of the American Statistical Association, 1995, 90, 900.	3.1	4
159	Note on a Joint Distribution of Successive Wave Periods. Journal of Ship Research, 1993, 37, 208-212.	1.1	8
160	New algorithms for maximum entropy image restoration. Graphical Models, 1992, 54, 223-238.	0.6	14
161	Simplified model for a weakly unstable atmospheric boundary layer capped by an inversion layer. Journal of Wind Engineering and Industrial Aerodynamics, 1991, 37, 123-139.	3.9	1

Advanced Spatial Modeling with Stochastic Partial Differential Equations Using R and INLA., 0, , .

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163	Competing risks joint models using R-INLA. Statistical Modelling, 0, , 1471082X1991365.	1.1	0
164	Efficient quantile tracking using an oracle. Applied Intelligence, 0, , 1.	5.3	0