

Nial Friel

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

2,068
citations

430754

18
h-index

395590

33
g-index

45
all docs

45
docs citations

45
times ranked

2124
citing authors

#	ARTICLE	IF	CITATIONS
1	Markov Chain Monte Carlo. , 0, , .		886
2	Bayesian inference for exponential random graph models. <i>Social Networks</i> , 2011, 33, 41-55.	1.3	158
3	Estimating the evidence "a review. <i>Statistica Neerlandica</i> , 2012, 66, 288-308.	0.9	123
4	Spatial process modelling for univariate and multivariate dynamic spatial data. <i>Environmetrics</i> , 2005, 16, 465-479.	0.6	118
5	Improved Bayesian inference for the stochastic block model with application to large networks. <i>Computational Statistics and Data Analysis</i> , 2013, 60, 12-31.	0.7	59
6	Block clustering with collapsed latent block models. <i>Statistics and Computing</i> , 2012, 22, 415-428.	0.8	57
7	Interlocking directorates in Irish companies using a latent space model for bipartite networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6629-6634.	3.3	57
8	Bergm : Bayesian Exponential Random Graphs in \mathbb{R} . <i>Journal of Statistical Software</i> , 2014, 61, .	1.8	41
9	Bayesian Inference in Hidden Markov Random Fields for Binary Data Defined on Large Lattices. <i>Journal of Computational and Graphical Statistics</i> , 2009, 18, 243-261.	0.9	39
10	Inferring structure in bipartite networks using the latent blockmodel and exact ICL. <i>Network Science</i> , 2017, 5, 45-69.	0.8	38
11	Sequencing and analysis of an Irish human genome. <i>Genome Biology</i> , 2010, 11, R91.	13.9	36
12	Improving power posterior estimation of statistical evidence. <i>Statistics and Computing</i> , 2014, 24, 709-723.	0.8	36
13	Generalized spatial dynamic factor models. <i>Computational Statistics and Data Analysis</i> , 2011, 55, 1319-1330.	0.7	35
14	Properties of latent variable network models. <i>Network Science</i> , 2016, 4, 407-432.	0.8	29
15	Evaluating squat performance with a single inertial measurement unit. , 2015, , .		27
16	Choosing the number of clusters in a finite mixture model using an exact integrated completed likelihood criterion. <i>Metron</i> , 2015, 73, 177-199.	0.6	26
17	Optimal Bayesian estimators for latent variable cluster models. <i>Statistics and Computing</i> , 2018, 28, 1169-1186.	0.8	26
18	Recursive computing and simulation-free inference for general factorizable models. <i>Biometrika</i> , 2007, 94, 661-672.	1.3	25

#	ARTICLE	IF	CITATIONS
19	A new thresholding technique based on random sets. <i>Pattern Recognition</i> , 1999, 32, 1507-1517.	5.1	21
20	Likelihood Estimation and Inference for the Autologistic Model. <i>Journal of Computational and Graphical Statistics</i> , 2004, 13, 232-246.	0.9	20
21	Approximate simulation-free Bayesian inference for multiple changepoint models with dependence within segments. <i>Bayesian Analysis</i> , 2011, 6, .	1.6	20
22	Calibrating COVID-19 susceptible-exposed-infected-removed models with time-varying effective contact rates. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2022, 380, 20210120.	1.6	19
23	Tuning tempered transitions. <i>Statistics and Computing</i> , 2012, 22, 65-78.	0.8	15
24	Efficient Bayesian inference for exponential random graph models by correcting the pseudo-posterior distribution. <i>Social Networks</i> , 2017, 50, 98-108.	1.3	15
25	Evidence and Bayes Factor Estimation for Gibbs Random Fields. <i>Journal of Computational and Graphical Statistics</i> , 2013, 22, 518-532.	0.9	14
26	Efficient model selection for probabilistic K nearest neighbour classification. <i>Neurocomputing</i> , 2015, 149, 1098-1108.	3.5	14
27	Exploiting Multi-Core Architectures for Reduced-Variance Estimation with Intractable Likelihoods. <i>Bayesian Analysis</i> , 2016, 11, .	1.6	13
28	Efficient bubbles for visual categorization tasks. <i>Vision Research</i> , 2011, 51, 1318-1323.	0.7	12
29	Bayesian Model Selection for Exponential Random Graph Models via Adjusted Pseudolikelihoods. <i>Journal of Computational and Graphical Statistics</i> , 2018, 27, 516-528.	0.9	12
30	Choosing the number of groups in a latent stochastic blockmodel for dynamic networks. <i>Network Science</i> , 2018, 6, 469-493.	0.8	9
31	A generalized multiple-try version of the Reversible Jump algorithm. <i>Computational Statistics and Data Analysis</i> , 2014, 72, 298-314.	0.7	8
32	Bayesian model selection for the latent position cluster model for social networks. <i>Network Science</i> , 2017, 5, 70-91.	0.8	8
33	Efficient MCMC for Gibbs random fields using pre-computation. <i>Electronic Journal of Statistics</i> , 2018, 12, .	0.4	8
34	Informed sub-sampling MCMC: approximate Bayesian inference for large datasets. <i>Statistics and Computing</i> , 2019, 29, 449-482.	0.8	7
35	Noisy Hamiltonian Monte Carlo for Doubly Intractable Distributions. <i>Journal of Computational and Graphical Statistics</i> , 2019, 28, 220-232.	0.9	7
36	Bayesian model selection for partially observed diffusion models. <i>Biometrika</i> , 2006, 93, 809-825.	1.3	6

#	ARTICLE	IF	CITATIONS
37	Bayesian Inference, Model Selection and Likelihood Estimation using Fast Rejection Sampling: The Conway-Maxwell-Poisson Distribution. Bayesian Analysis, 2021, 16, .	1.6	6
38	Spatial hidden Markov models and species distributions. Journal of Applied Statistics, 2018, 45, 1595-1615.	0.6	5
39	Bayesian Variational Inference for Exponential Random Graph Models. Journal of Computational and Graphical Statistics, 2020, 29, 910-928.	0.9	4
40	Bayesian inference for Gibbs random fields using composite likelihoods. , 2012, , .		3
41	Adaptive Incremental Mixture Markov Chain Monte Carlo. Journal of Computational and Graphical Statistics, 2019, 28, 790-805.	0.9	3
42	Model comparison for Gibbs random fields using noisy reversible jump Markov chain Monte Carlo. Computational Statistics and Data Analysis, 2018, 128, 221-241.	0.7	2
43	A dynamic structural equation approach to estimate the short-term effects of air pollution on human health. Journal of the Royal Statistical Society Series C: Applied Statistics, 0, , .	0.5	1
44	<title>Class of error metrics for gray-scale image comparison</title>. , 1998, 3457, 194.		0
45	Introduction to "Efficient computational strategies for doubly intractable problems with applications to Bayesian social networks" by A. Caimo, A. Mira. Statistics and Computing, 2015, 25, 111-111.	0.8	0