Nial Friel

List of Publications by Year
in descending order

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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	Calibrating COVID-19 susceptible-exposed-infected-removed models with time-varying effective contact rates. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, 20210120.	1.6	19
2	Bayesian Inference, Model Selection and Likelihood Estimation using Fast Rejection Sampling: The Conway-Maxwell-Poisson Distribution. Bayesian Analysis, 2021, 16, .	1.6	6
3	Bayesian Variational Inference for Exponential Random Graph Models. Journal of Computational and Graphical Statistics, 2020, 29, 910-928.	0.9	4
4	Informed sub-sampling MCMC: approximate Bayesian inference for large datasets. Statistics and Computing, 2019, 29, 449-482.	0.8	7
5	Adaptive Incremental Mixture Markov Chain Monte Carlo. Journal of Computational and Graphical Statistics, 2019, 28, 790-805.	0.9	3
6	Noisy Hamiltonian Monte Carlo for Doubly Intractable Distributions. Journal of Computational and Graphical Statistics, 2019, 28, 220-232.	0.9	7
7	Spatial hidden Markov models and species distributions. Journal of Applied Statistics, 2018, 45, 1595-1615.	0.6	5
8	Efficient MCMC for Gibbs random fields using pre-computation. Electronic Journal of Statistics, 2018, 12, .	0.4	8
9	Choosing the number of groups in a latent stochastic blockmodel for dynamic networks. Network Science, 2018, 6, 469-493.	0.8	9
10	Bayesian Model Selection for Exponential Random Graph Models via Adjusted Pseudolikelihoods. Journal of Computational and Graphical Statistics, 2018, 27, 516-528.	0.9	12
11	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
12	Optimal Bayesian estimators for latent variable cluster models. Statistics and Computing, 2018, 28, 1169-1186.	0.8	26
13	Efficient Bayesian inference for exponential random graph models by correcting the pseudo-posterior distribution. Social Networks, 2017, 50, 98-108.	1.3	15
14	Bayesian model selection for the latent position cluster model for social networks. Network Science, 2017, 5, 70-91.	0.8	8
15	Inferring structure in bipartite networks using the latent blockmodel and exact ICL. Network Science, 2017, 5, 45-69.	0.8	38
16	Properties of latent variable network models. Network Science, 2016, 4, 407-432.	0.8	29
17	Exploiting Multi-Core Architectures for Reduced-Variance Estimation with Intractable Likelihoods. Bayesian Analysis, 2016, 11, .	1.6	13
18	Interlocking directorates in Irish companies using a latent space model for bipartite networks. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6629-6634.	3.3	57

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19	Choosing the number of clusters in a finite mixture model using an exact integrated completed likelihood criterion. Metron, 2015, 73, 177-199.	0.6	26
20	Evaluating squat performance with a single inertial measurement unit. , 2015, , .		27
21	Introduction to â€œEfficient computational strategies for doubly intractable problems with applications to Bayesian social networksâ€•by A. Caimo, A. Mira. Statistics and Computing, 2015, 25, 111-111.	0.8	0
22	Efficient model selection for probabilistic K nearest neighbour classification. Neurocomputing, 2015, 149, 1098-1108.	3.5	14
23	Improving power posterior estimation of statistical evidence. Statistics and Computing, 2014, 24, 709-723.	0.8	36
24	A generalized multiple-try version of the Reversible Jump algorithm. Computational Statistics and Data Analysis, 2014, 72, 298-314.	0.7	8
25	Bergm: Bayesian Exponential Random Graphs inR. Journal of Statistical Software, 2014, 61, .	1.8	41
26	Improved Bayesian inference for the stochastic block model with application to large networks. Computational Statistics and Data Analysis, 2013, 60, 12-31.	0.7	59
27	Evidence and Bayes Factor Estimation for Gibbs Random Fields. Journal of Computational and Graphical Statistics, 2013, 22, 518-532.	0.9	14
28	Bayesian inference for Gibbs random fields using composite likelihoods. , 2012, , .		3
29	Estimating the evidence â€“ a review. Statistica Neerlandica, 2012, 66, 288-308.	0.9	123
30	Tuning tempered transitions. Statistics and Computing, 2012, 22, 65-78.	0.8	15
31	Block clustering with collapsed latent block models. Statistics and Computing, 2012, 22, 415-428.	0.8	57
32	Approximate simulation-free Bayesian inference for multiple changepoint models with dependence within segments. Bayesian Analysis, 2011, 6, .	1.6	20
33	Efficient bubbles for visual categorization tasks. Vision Research, 2011, 51, 1318-1323.	0.7	12
34	Generalized spatial dynamic factor models. Computational Statistics and Data Analysis, 2011, 55, 1319-1330.	0.7	35
35	Bayesian inference for exponential random graph models. Social Networks, 2011, 33, 41-55.	1.3	158
36	Sequencing and analysis of an Irish human genome. Genome Biology, 2010, 11, R91.	13.9	36

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37	Bayesian Inference in Hidden Markov Random Fields for Binary Data Defined on Large Lattices. Journal of Computational and Graphical Statistics, 2009, 18, 243-261.	0.9	39
38	Recursive computing and simulation-free inference for general factorizable models. Biometrika, 2007, 94, 661-672.	1.3	25
39	Bayesian model selection for partially observed diffusion models. Biometrika, 2006, 93, 809-825.	1.3	6
40	Spatial process modelling for univariate and multivariate dynamic spatial data. Environmetrics, 2005, 16, 465-479.	0.6	118
41	Likelihood Estimation and Inference for the Autologistic Model. Journal of Computational and Graphical Statistics, 2004, 13, 232-246.	0.9	20
42	A new thresholding technique based on random sets. Pattern Recognition, 1999, 32, 1507-1517.	5.1	21
43	<title>Class of error metrics for gray-scale image comparison</title>. , 1998, 3457, 194.		0
44	Markov Chain Monte Carlo. , 0, , .		886
45	A dynamic structural equation approach to estimate the shortâ€term effects of air pollution on human health. Journal of the Royal Statistical Society Series C: Applied Statistics, 0, , .	0.5	1