

Adrian E Raftery

List of Publications by Year in descending order

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106
papers

39,669
citations

43973

48
h-index

43802

91
g-index

108
all docs

108
docs citations

108
times ranked

41015
citing authors

#	ARTICLE	IF	CITATIONS
1	Bayes Factors. <i>Journal of the American Statistical Association</i> , 1995, 90, 773-795.	1.8	11,852
2	Bayesian Model Selection in Social Research. <i>Sociological Methodology</i> , 1995, 25, 111.	1.4	4,730
3	Model-Based Clustering, Discriminant Analysis, and Density Estimation. <i>Journal of the American Statistical Association</i> , 2002, 97, 611-631.	1.8	3,196
4	Strictly Proper Scoring Rules, Prediction, and Estimation. <i>Journal of the American Statistical Association</i> , 2007, 102, 359-378.	1.8	3,170
5	Bayes Factors. , 0, .		2,371
6	Using Bayesian Model Averaging to Calibrate Forecast Ensembles. <i>Monthly Weather Review</i> , 2005, 133, 1155-1174.	0.5	1,424
7	Bayesian Model Averaging for Linear Regression Models. <i>Journal of the American Statistical Association</i> , 1997, 92, 179-191.	1.8	1,362
8	Latent Space Approaches to Social Network Analysis. <i>Journal of the American Statistical Association</i> , 2002, 97, 1090-1098.	1.8	1,171
9	World population stabilization unlikely this century. <i>Science</i> , 2014, 346, 234-237.	6.0	1,082
10	Model Selection and Accounting for Model Uncertainty in Graphical Models Using Occam's Window. <i>Journal of the American Statistical Association</i> , 1994, 89, 1535-1546.	1.8	881
11	Calibrated Probabilistic Forecasting Using Ensemble Model Output Statistics and Minimum CRPS Estimation. <i>Monthly Weather Review</i> , 2005, 133, 1098-1118.	0.5	739
12	Computing Bayes Factors by Combining Simulation and Asymptotic Approximations. <i>Journal of the American Statistical Association</i> , 1997, 92, 903-915.	1.8	547
13	Less than 2°C warming by 2100 unlikely. <i>Nature Climate Change</i> , 2017, 7, 637-641.	8.1	526
14	MCLUST: Software for Model-Based Cluster Analysis. <i>Journal of Classification</i> , 1999, 16, 297-306.	1.2	380
15	Variable Selection for Model-Based Clustering. <i>Journal of the American Statistical Association</i> , 2006, 101, 168-178.	1.8	357
16	Probabilistic Quantitative Precipitation Forecasting Using Bayesian Model Averaging. <i>Monthly Weather Review</i> , 2007, 135, 3209-3220.	0.5	318
17	Detecting Features in Spatial Point Processes with Clutter via Model-Based Clustering. <i>Journal of the American Statistical Association</i> , 1998, 93, 294-302.	1.8	304
18	Nearest-Neighbor Clutter Removal for Estimating Features in Spatial Point Processes. <i>Journal of the American Statistical Association</i> , 1998, 93, 577-584.	1.8	229

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19	Variable selection and Bayesian model averaging in case-control studies. <i>Statistics in Medicine</i> , 2001, 20, 3215-3230.	0.8	224
20	Bayesian Model Averaging for Linear Regression Models. , 0, .		221
21	Default priors and predictive performance in Bayesian model averaging, with application to growth determinants. <i>Journal of Applied Econometrics</i> , 2011, 26, 30-55.	1.3	218
22	Probabilistic Wind Speed Forecasting Using Ensembles and Bayesian Model Averaging. <i>Journal of the American Statistical Association</i> , 2010, 105, 25-35.	1.8	204
23	Bayesian probabilistic population projections for all countries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13915-13921.	3.3	196
24	Model Selection and Accounting for Model Uncertainty in Graphical Models Using Occam's Window. , 0, .		173
25	Inference from a Deterministic Population Dynamics Model for Bowhead Whales. <i>Journal of the American Statistical Association</i> , 1995, 90, 402-416.	1.8	169
26	Ice Floe Identification in Satellite Images Using Mathematical Morphology and Clustering about Principal Curves. <i>Journal of the American Statistical Association</i> , 1992, 87, 7-16.	1.8	161
27	Inference in model-based cluster analysis. <i>Statistics and Computing</i> , 1997, 7, 1-10.	0.8	157
28	Estimating Bayes Factors via Posterior Simulation with the Laplace-Metropolis Estimator. <i>Journal of the American Statistical Association</i> , 1997, 92, 648-655.	1.8	152
29	Bayesian Probabilistic Projections of Life Expectancy for All Countries. <i>Demography</i> , 2013, 50, 777-801.	1.2	138
30	Estimating and Projecting Trends in HIV/AIDS Generalized Epidemics Using Incremental Mixture Importance Sampling. <i>Biometrics</i> , 2010, 66, 1162-1173.	0.8	117
31	Country-based rate of emissions reductions should increase by 80% beyond nationally determined contributions to meet the 2°C target. <i>Communications Earth & Environment</i> , 2021, 2, .	2.6	100
32	Calibrated Surface Temperature Forecasts from the Canadian Ensemble Prediction System Using Bayesian Model Averaging. <i>Monthly Weather Review</i> , 2007, 135, 1364-1385.	0.5	95
33	Bayesian Multidimensional Scaling and Choice of Dimension. <i>Journal of the American Statistical Association</i> , 2001, 96, 1031-1044.	1.8	93
34	Fast Inference for the Latent Space Network Model Using a Case-Control Approximate Likelihood. <i>Journal of Computational and Graphical Statistics</i> , 2012, 21, 901-919.	0.9	93
35	Estimation of emigration, return migration, and transit migration between all pairs of countries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 116-122.	3.3	91
36	Modeling Flat Stretches, Bursts Outliers in Time Series Using Mixture Transition Distribution Models. <i>Journal of the American Statistical Association</i> , 1996, 91, 1504-1515.	1.8	78

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37	Are births underreported in rural China? Manipulation of statistical records in response to China's population policies. <i>Demography</i> , 2000, 37, 109-126.	1.2	78
38	Calibrated Probabilistic Mesoscale Weather Field Forecasting. <i>Journal of the American Statistical Association</i> , 2004, 99, 575-583.	1.8	78
39	clustvarsel : A Package Implementing Variable Selection for Gaussian Model-Based Clustering in R. <i>Journal of Statistical Software</i> , 2018, 84, .	1.8	78
40	Computing Bayes Factors by Combining Simulation and Asymptotic Approximations. , 0, .		78
41	Combining Spatial Statistical and Ensemble Information in Probabilistic Weather Forecasts. <i>Monthly Weather Review</i> , 2007, 135, 1386-1402.	0.5	77
42	Estimating SARS-CoV-2 infections from deaths, confirmed cases, tests, and random surveys. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	77
43	Fast Bayesian inference for gene regulatory networks using ScanBMA. <i>BMC Systems Biology</i> , 2014, 8, 47.	3.0	72
44	Nearest-Neighbor Variance Estimation (NNVE). <i>Journal of the American Statistical Association</i> , 2002, 97, 994-1019.	1.8	66
45	Bayesian Population Projections for the United Nations. <i>Statistical Science</i> , 2014, 29, 58-68.	1.6	63
46	Improved initialisation of model-based clustering using Gaussian hierarchical partitions. <i>Advances in Data Analysis and Classification</i> , 2015, 9, 447-460.	0.9	63
47	Detecting Features in Spatial Point Processes with Clutter via Model-Based Clustering. , 0, .		59
48	Local Adaptive Importance Sampling for Multivariate Densities with Strong Nonlinear Relationships. <i>Journal of the American Statistical Association</i> , 1996, 91, 132-141.	1.8	57
49	Incremental Model-Based Clustering for Large Datasets With Small Clusters. <i>Journal of Computational and Graphical Statistics</i> , 2005, 14, 529-546.	0.9	57
50	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
51	Model-Based Clustering for Image Segmentation and Large Datasets via Sampling. <i>Journal of Classification</i> , 2004, 21, 231-253.	1.2	55
52	Model-Based Clustering With Dissimilarities: A Bayesian Approach. <i>Journal of Computational and Graphical Statistics</i> , 2007, 16, 559-585.	0.9	55
53	Ice Floe Identification in Satellite Images Using Mathematical Morphology and Clustering about Principal Curves. , 0, .		54
54	Inference and Prediction for a General Order Statistic Model with Unknown Population Size. <i>Journal of the American Statistical Association</i> , 1987, 82, 1163-1168.	1.8	50

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55	Bayesian Additive Regression Trees using Bayesian model averaging. <i>Statistics and Computing</i> , 2018, 28, 869-890.	0.8	49
56	Eliciting prior information to enhance the predictive performance of bayesian graphical models. <i>Communications in Statistics - Theory and Methods</i> , 1995, 24, 2271-2292.	0.6	48
57	Bayesian Variable and Transformation Selection in Linear Regression. <i>Journal of Computational and Graphical Statistics</i> , 2002, 11, 485-507.	0.9	48
58	Probabilistic Weather Forecasting for Winter Road Maintenance. <i>Journal of the American Statistical Association</i> , 2010, 105, 522-537.	1.8	45
59	Probabilistic population projections with migration uncertainty. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6460-6465.	3.3	45
60	Bayesian uncertainty assessment in multicompartiment deterministic simulation models for environmental risk assessment. <i>Environmetrics</i> , 2003, 14, 355-371.	0.6	44
61	Nearest-Neighbor Clutter Removal for Estimating Features in Spatial Point Processes. , 0, .		44
62	Bayesian Probabilistic Projection of International Migration. <i>Demography</i> , 2015, 52, 1627-1650.	1.2	39
63	Estimating population size using the network scale up method. <i>Annals of Applied Statistics</i> , 2015, 9, 1247-1277.	0.5	36
64	Inference from a Deterministic Population Dynamics Model for Bowhead Whales. , 0, .		35
65	Probabilistic Visibility Forecasting Using Bayesian Model Averaging. <i>Monthly Weather Review</i> , 2011, 139, 1626-1636.	0.5	34
66	Estimating Bowhead Whale Population Size and Rate of Increase from the 1993 Census. <i>Journal of the American Statistical Association</i> , 1998, 93, 451-463.	1.8	32
67	Computing Normalizing Constants for Finite Mixture Models via Incremental Mixture Importance Sampling (IMIS). <i>Journal of Computational and Graphical Statistics</i> , 2006, 15, 712-734.	0.9	31
68	Estimating uncertainty in respondent-driven sampling using a tree bootstrap method. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14668-14673.	3.3	31
69	Model-based clustering with data correction for removing artifacts in gene expression data. <i>Annals of Applied Statistics</i> , 2017, 11, 1998-2026.	0.5	30
70	Properties of latent variable network models. <i>Network Science</i> , 2016, 4, 407-432.	0.8	29
71	Discharge Rates of Medicare Stroke Patients to Skilled Nursing Facilities: Bayesian Logistic Regression with Unobserved Heterogeneity. <i>Journal of the American Statistical Association</i> , 1996, 91, 29-41.	1.8	27
72	Markov Chain Monte Carlo With Mixtures of Mutually Singular Distributions. <i>Journal of Computational and Graphical Statistics</i> , 2008, 17, 949-975.	0.9	23

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73	bayesPop: Probabilistic Population Projections. Journal of Statistical Software, 2016, 75, .	1.8	22
74	Detecting Mines in Minefields With Linear Characteristics. Technometrics, 2002, 44, 34-44.	1.3	19
75	Bayesian robust transformation and variable selection: A unified approach. Canadian Journal of Statistics, 2009, 37, 361-380.	0.6	19
76	Probabilistic population forecasting: Short to very long-term. International Journal of Forecasting, 2023, 39, 73-97.	3.9	19
77	RATE OF INCREASE, 1978â€“1988, OF BOWHEAD WHALES, BALAENA MYSTICETUS, ESTIMATED FROM ICE-BASED CENSUS DATA. Marine Mammal Science, 1991, 7, 105-122.	0.9	18
78	Local Adaptive Importance Sampling for Multivariate Densities with Strong Nonlinear Relationships. , 0, .		18
79	Inference and Prediction for a General Order Statistic Model with Unknown Population Size. , 0, .		17
80	Improved Sea Ice Forecasting through Spatiotemporal Bias Correction. Journal of Climate, 2017, 30, 9493-9510.	1.2	15
81	Modeling Age-Specific Mortality for Countries with Generalized HIV Epidemics. PLoS ONE, 2014, 9, e96447.	1.1	14
82	Estimating the sizes of populations at risk of HIV infection from multiple data sources using a Bayesian hierarchical model. Statistics and Its Interface, 2015, 8, 125-136.	0.2	13
83	Probabilistic projection of subnational total fertility rates. Demographic Research, 2018, 38, 1843-1884.	2.0	11
84	Bayesian Morphology: Fast Unsupervised Bayesian Image Analysis. Journal of the American Statistical Association, 1999, 94, 555-568.	1.8	10
85	Estimating Bowhead Whale Population Size and Rate of Increase from the 1993 Census. , 0, .		10
86	Comparing methods for statistical inference with model uncertainty. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2120737119.	3.3	10
87	Quality Control and Robust Estimation for cDNA Microarrays With Replicates. Journal of the American Statistical Association, 2006, 101, 30-40.	1.8	9
88	Probabilistic forecasting of maximum human lifespan by 2100 using Bayesian population projections. Demographic Research, 0, 44, 1271-1294.	2.0	9
89	Classification of Mixtures of Spatial Point Processes via Partial Bayes Factors. Journal of Computational and Graphical Statistics, 2005, 14, 139-154.	0.9	8
90	Integration of Multiple Data Sources for Gene Network Inference Using Genetic Perturbation Data. Journal of Computational Biology, 2019, 26, 1113-1129.	0.8	7

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91	C301. How many nuclear reactor accidents?. Journal of Statistical Computation and Simulation, 1988, 29, 347-350.	0.7	6
92	fastBMA: scalable network inference and transitive reduction. GigaScience, 2017, 6, 1-10.	3.3	6
93	CyNetworkBMA: a Cytoscape app for inferring gene regulatory networks. Source Code for Biology and Medicine, 2015, 10, 11.	1.7	5
94	Variable selection and Bayesian model averaging in case-control studies. , 2001, 20, 3215.		5
95	Balancing Inferential Integrity and Disclosure Risk Via Model Targeted Masking and Multiple Imputation. Journal of the American Statistical Association, 0, , 1-15.	1.8	4
96	Estimating and forecasting the smoking-attributable mortality fraction for both genders jointly in over 60 countries. Annals of Applied Statistics, 2020, 14, 381-408.	0.5	4
97	Accounting for uncertainty about past values in probabilistic projections of the total fertility rate for most countries. Annals of Applied Statistics, 2020, 14, 685-705.	0.5	4
98	Probabilistic Forecasts of Arctic Sea Ice Thickness. Journal of Agricultural, Biological, and Environmental Statistics, 2022, 27, 280-302.	0.7	4
99	Adaptive Incremental Mixture Markov Chain Monte Carlo. Journal of Computational and Graphical Statistics, 2019, 28, 790-805.	0.9	3
100	Discharge Rates of Medicare Stroke Patients to Skilled Nursing Facilities: Bayesian Logistic Regression with Unobserved Heterogeneity. , 0, .		3
101	Identifying dynamical time series model parameters from equilibrium samples, with application to gene regulatory networks. Statistical Modelling, 2019, 19, 444-465.	0.5	2
102	Comparing Model Selection and Regularization Approaches to Variable Selection in Model-Based Clustering. Journal De La SFdS, 2014, 155, 57-71.	0.5	2
103	Statistics in Sociology, 1950â€“2000. Journal of the American Statistical Association, 2000, 95, 654-661.	1.8	1
104	Will this be a recordâ€“breaking century for human longevity?. Significance, 2021, 18, 6-7.	0.3	1
105	C351. What is the probability of a serious nuclear reactor accident?. Journal of Statistical Computation and Simulation, 1990, 36, 31-34.	0.7	0
106	Derivation of Diagnostic Gene Predictors for the Progression of Chronic Myeloid Leukemia from Microarray Data and Independent PCR Validation. Blood, 2008, 112, 3211-3211.	0.6	0