Adrian E Raftery

List of Publications by Year in Descending Order

106 papers	30,284 citations	46 h-index	108 g-index
108 ext. papers	35,014 ext. citations	3.5 avg, IF	7.49 L-index

#	Paper	IF	Citations
106	Comparing methods for statistical inference with model uncertainty.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2120737119	11.5	0
105	Will this be a record-breaking century for human longevity?. *Significance*, **2021**, 18, 6-7	0.5	
104	Probabilistic population forecasting: Short to very long-term. *International Journal of Forecasting*, **2021**,	5.3	1
103	Country-based rate of emissions reductions should increase by 80% beyond nationally determined contributions to meet the 2 ⁰C target. *Communications Earth & Environment*, **2021**, 2,	6.1	28
102	Estimating SARS-CoV-2 infections from deaths, confirmed cases, tests, and random surveys. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	16
101	ESTIMATING AND FORECASTING THE SMOKING-ATTRIBUTABLE MORTALITY FRACTION FOR BOTH GENDERS JOINTLY IN OVER 60 COUNTRIES. *Annals of Applied Statistics*, **2020**, 14, 381-408	2.1	4
100	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	2.1	1
99	Integration of Multiple Data Sources for Gene Network Inference Using Genetic Perturbation Data. *Journal of Computational Biology*, **2019**, 26, 1113-1129	1.7	6
98	Adaptive Incremental Mixture Markov Chain Monte Carlo. *Journal of Computational and Graphical Statistics*, **2019**, 28, 790-805	1.4	0
97	Identifying Dynamical Time Series Model Parameters from Equilibrium Samples, with Application to Gene Regulatory Networks. *Statistical Modelling*, **2019**, 19, 444-465	0.7	1
96	Estimation of emigration, return migration, and transit migration between all pairs of countries. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 116-122	11.5	52
95	Bayesian Additive Regression Trees using Bayesian Model Averaging. *Statistics and Computing*, **2018**, 28, 869-890	1.8	26
94	Probabilistic projection of subnational total fertility rates. *Demographic Research*, **2018**, 38, 1843-1884	1	5
93	clustvarsel: A Package Implementing Variable Selection for Gaussian Model-Based Clustering in R. *Journal of Statistical Software*, **2018**, 84,	7.3	57
92	fastBMA: scalable network inference and transitive reduction. *GigaScience*, **2017**, 6, 1-10	7.6	5
91	Improved Sea Ice Forecasting through Spatiotemporal Bias Correction. *Journal of Climate*, **2017**, 30, 9493-9510	4.4	11
90	Less Than 2 ⁰C Warming by 2100 Unlikely. *Nature Climate Change*, **2017**, 7, 637-641	21.4	339

89	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, 6629-34	11.5	35
88	Model-Based Clustering With Data Correction For Removing Artifacts In Gene Expression Data. *Annals of Applied Statistics*, **2016**, 11, 1998-2026	2.1	21
87	: Probabilistic Population Projections. *Journal of Statistical Software*, **2016**, 75,	7.3	12
86	Estimating uncertainty in respondent-driven sampling using a tree bootstrap method. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 14668-14673	11.5	22
85	Properties of latent variable network models. *Network Science*, **2016**, 4, 407-432	2.9	18
84	Probabilistic population projections with migration uncertainty. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 6460-5	11.5	31
83	Bayesian Probabilistic Projection of International Migration. *Demography*, **2015**, 52, 1627-50	3.5	25
82	Estimating Population Size Using the Network Scale Up Method. *Annals of Applied Statistics*, **2015**, 9, 1247-1277	2.1	24
81	Improved initialisation of model-based clustering using Gaussian hierarchical partitions. *Advances in Data Analysis and Classification*, **2015**, 9, 447-460	1.8	41
80	CyNetworkBMA: a Cytoscape app for inferring gene regulatory networks. *Source Code for Biology and Medicine*, **2015**, 10, 11	1.9	3
79	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	0.4	8
78	World population stabilization unlikely this century. *Science*, **2014**, 346, 234-7	33.3	805
77	Fast Bayesian inference for gene regulatory networks using ScanBMA. *BMC Systems Biology*, **2014**, 8, 47	3.5	58
76	Bayesian Population Projections for the United Nations. *Statistical Science*, **2014**, 29, 58-68	2.4	51
75	Modeling age-specific mortality for countries with generalized HIV epidemics. *PLoS ONE*, **2014**, 9, e96447	3.7	12
74	Comparing Model Selection and Regularization Approaches to Variable Selection in Model-Based Clustering **2014**, 155, 57-71		2
73	Bayesian probabilistic projections of life expectancy for all countries. *Demography*, **2013**, 50, 777-801	3.5	111
72	Bayesian probabilistic population projections for all countries. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 13915-21	11.5	142

71	Fast Inference for the Latent Space Network Model Using a Case-Control Approximate Likelihood. *Journal of Computational and Graphical Statistics*, **2012**, 21, 901-919	1.4	60
70	Default priors and predictive performance in Bayesian model averaging, with application to growth determinants. *Journal of Applied Econometrics*, **2011**, 26, 30-55	2.2	156
69	Probabilistic Visibility Forecasting Using Bayesian Model Averaging. *Monthly Weather Review*, **2011**, 139, 1626-1636	2.4	24
68	Estimating and Projecting Trends in HIV/AIDS Generalized Epidemics Using Incremental Mixture Importance Sampling. *Biometrics*, **2010**, 66, 1162-73	1.8	90
67	Probabilistic Wind Speed Forecasting Using Ensembles and Bayesian Model Averaging. *Journal of the American Statistical Association*, **2010**, 105, 25-35	2.8	165
66	Probabilistic Weather Forecasting for Winter Road Maintenance. *Journal of the American Statistical Association*, **2010**, 105, 522-537	2.8	29
65	Bayesian robust transformation and variable selection: A unified approach. *Canadian Journal of Statistics*, **2009**, 37, 361-380	0.4	16
64	Markov Chain Monte Carlo With Mixtures of Mutually Singular Distributions. *Journal of Computational and Graphical Statistics*, **2008**, 17, 949-975	1.4	18
63	Derivation of Diagnostic Gene Predictors for the Progression of Chronic Myeloid Leukemia from Microarray Data and Independent PCR Validation. *Blood*, **2008**, 112, 3211-3211	2.2	
62	Strictly Proper Scoring Rules, Prediction, and Estimation. *Journal of the American Statistical Association*, **2007**, 102, 359-378	2.8	2125
61	Model-Based Clustering With Dissimilarities: A Bayesian Approach. *Journal of Computational and Graphical Statistics*, **2007**, 16, 559-585	1.4	39
60	Combining Spatial Statistical and Ensemble Information in Probabilistic Weather Forecasts. *Monthly Weather Review*, **2007**, 135, 1386-1402	2.4	57
59	Probabilistic Quantitative Precipitation Forecasting Using Bayesian Model Averaging. *Monthly Weather Review*, **2007**, 135, 3209-3220	2.4	261
58	Calibrated Surface Temperature Forecasts from the Canadian Ensemble Prediction System Using Bayesian Model Averaging. *Monthly Weather Review*, **2007**, 135, 1364-1385	2.4	83
57	Quality Control and Robust Estimation for cDNA Microarrays With Replicates. *Journal of the American Statistical Association*, **2006**, 101, 30-40	2.8	8
56	Variable Selection for Model-Based Clustering. *Journal of the American Statistical Association*, **2006**, 101, 168-178	2.8	293
55	Computing Normalizing Constants for Finite Mixture Models via Incremental Mixture Importance Sampling (IMIS). *Journal of Computational and Graphical Statistics*, **2006**, 15, 712-734	1.4	25
54	Classification of Mixtures of Spatial Point Processes via Partial Bayes Factors. *Journal of Computational and Graphical Statistics*, **2005**, 14, 139-154	1.4	6

53	Using Bayesian Model Averaging to Calibrate Forecast Ensembles. *Monthly Weather Review*, **2005**, 133, 1155-1174	2.4	1117
52	Calibrated Probabilistic Forecasting Using Ensemble Model Output Statistics and Minimum CRPS Estimation. *Monthly Weather Review*, **2005**, 133, 1098-1118	2.4	568
51	Incremental Model-Based Clustering for Large Datasets With Small Clusters. *Journal of Computational and Graphical Statistics*, **2005**, 14, 529-546	1.4	40
50	Calibrated Probabilistic Mesoscale Weather Field Forecasting. *Journal of the American Statistical Association*, **2004**, 99, 575-583	2.8	60
49	Model-Based Clustering for Image Segmentation and Large Datasets via Sampling. *Journal of Classification*, **2004**, 21, 231-253	1.2	38
48	Bayesian uncertainty assessment in multicompartment deterministic simulation models for environmental risk assessment. *Environmetrics*, **2003**, 14, 355-371	1.3	35
47	Model-Based Clustering, Discriminant Analysis, and Density Estimation. *Journal of the American Statistical Association*, **2002**, 97, 611-631	2.8	2572
46	Bayesian Variable and Transformation Selection in Linear Regression. *Journal of Computational and Graphical Statistics*, **2002**, 11, 485-507	1.4	36
45	Nearest-Neighbor Variance Estimation (NNVE). *Journal of the American Statistical Association*, **2002**, 97, 994-1019	2.8	46
44	Latent Space Approaches to Social Network Analysis. *Journal of the American Statistical Association*, **2002**, 97, 1090-1098	2.8	837
43	Detecting Mines in Minefields With Linear Characteristics. *Technometrics*, **2002**, 44, 34-44	1.4	11
42	Variable selection and Bayesian model averaging in case-control studies. *Statistics in Medicine*, **2001**, 20, 3215-30	2.3	186
41	Bayesian Multidimensional Scaling and Choice of Dimension. *Journal of the American Statistical Association*, **2001**, 96, 1031-1044	2.8	67
40	Variable selection and Bayesian model averaging in case-control studies **2001**, 20, 3215		4
39	Are births underreported in rural China? Manipulation of statistical records in response to China's population policies. *Demography*, **2000**, 37, 109-126	3.5	63
38	Statistics in Sociology, 1950-2000. *Journal of the American Statistical Association*, **2000**, 95, 654-661	2.8	1
37	MCLUST: Software for Model-Based Cluster Analysis. *Journal of Classification*, **1999**, 16, 297-306	1.2	298
36	Bayesian Morphology: Fast Unsupervised Bayesian Image Analysis. *Journal of the American Statistical Association*, **1999**, 94, 555-568	2.8	4

35	Estimating Bowhead Whale Population Size and Rate of Increase from the 1993 Census. *Journal of the American Statistical Association*, **1998**, 93, 451-463	2.8	24
34	Detecting Features in Spatial Point Processes with Clutter via Model-Based Clustering. *Journal of the American Statistical Association*, **1998**, 93, 294-302	2.8	243
33	Nearest-Neighbor Clutter Removal for Estimating Features in Spatial Point Processes. *Journal of the American Statistical Association*, **1998**, 93, 577-584	2.8	171
32	Computing Bayes Factors by Combining Simulation and Asymptotic Approximations. *Journal of the American Statistical Association*, **1997**, 92, 903-915	2.8	215
31	Bayesian Model Averaging for Linear Regression Models. *Journal of the American Statistical Association*, **1997**, 92, 179-191	2.8	1034
30	Estimating Bayes Factors via Posterior Simulation with the Laplace Metropolis Estimator. *Journal of the American Statistical Association*, **1997**, 92, 648-655	2.8	126
29	Inference in model-based cluster analysis. *Statistics and Computing*, **1997**, 7, 1-10	1.8	128
28	Modeling Flat Stretches, Bursts Outliers in Time Series Using Mixture Transition Distribution Models. *Journal of the American Statistical Association*, **1996**, 91, 1504-1515	2.8	64
27	Discharge Rates of Medicare Stroke Patients to Skilled Nursing Facilities: Bayesian Logistic Regression with Unobserved Heterogeneity. *Journal of the American Statistical Association*, **1996**, 91, 29-41	2.8	23
26	Local Adaptive Importance Sampling for Multivariate Densities with Strong Nonlinear Relationships. *Journal of the American Statistical Association*, **1996**, 91, 132-141	2.8	49
25	Eliciting prior information to enhance the predictive performance of bayesian graphical models. *Communications in Statistics - Theory and Methods*, **1995**, 24, 2271-2292	0.5	41
24	Inference from a Deterministic Population Dynamics Model for Bowhead Whales. *Journal of the American Statistical Association*, **1995**, 90, 402-416	2.8	138
23	Bayes Factors. *Journal of the American Statistical Association*, **1995**, 90, 773-795	2.8	9727
22	Bayesian Model Selection in Social Research. *Sociological Methodology*, **1995**, 25, 111	2.6	3398
21	Model Selection and Accounting for Model Uncertainty in Graphical Models Using Occam's Window. *Journal of the American Statistical Association*, **1994**, 89, 1535-1546	2.8	680
20	Ice Floe Identification in Satellite Images Using Mathematical Morphology and Clustering about Principal Curves. *Journal of the American Statistical Association*, **1992**, 87, 7-16	2.8	111
19	RATE OF INCREASE, 1978 1988, OF BOWHEAD WHALES, BALAENA MYSTICETUS, ESTIMATED FROM ICE-BASED CENSUS DATA. *Marine Mammal Science*, **1991**, 7, 105-122	1.9	15
18	C351. What is the probability of a serious nuclear reactor accident?. *Journal of Statistical Computation and Simulation*, **1990**, 36, 31-34	0.9	

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17	C301. How many nuclear reactor accidents?. *Journal of Statistical Computation and Simulation*, **1988**, 29, 347-350	0.9	3
16	Inference and Prediction for a General Order Statistic Model with Unknown Population Size. *Journal of the American Statistical Association*, **1987**, 82, 1163-1168	2.8	36
15	Probabilistic Forecasts of Arctic Sea Ice Thickness. *Journal of Agricultural, Biological, and Environmental Statistics*,1	1.9	0
14	Inference and Prediction for a General Order Statistic Model with Unknown Population Size		17
13	Ice Floe Identification in Satellite Images Using Mathematical Morphology and Clustering about Principal Curves		47
12	Model Selection and Accounting for Model Uncertainty in Graphical Models Using Occam's Window		153
11	Inference from a Deterministic Population Dynamics Model for Bowhead Whales		33
10	Bayes Factors		1826
9	Discharge Rates of Medicare Stroke Patients to Skilled Nursing Facilities: Bayesian Logistic Regression with Unobserved Heterogeneity		2
8	Local Adaptive Importance Sampling for Multivariate Densities with Strong Nonlinear Relationships		14
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6	Detecting Features in Spatial Point Processes with Clutter via Model-Based Clustering		56
5	Estimating Bowhead Whale Population Size and Rate of Increase from the 1993 Census		10
4	Nearest-Neighbor Clutter Removal for Estimating Features in Spatial Point Processes		40
3	Computing Bayes Factors by Combining Simulation and Asymptotic Approximations		68
2	Balancing Inferential Integrity and Disclosure Risk Via Model Targeted Masking and Multiple Imputation. *Journal of the American Statistical Association*,1-15	2.8	1
1	Probabilistic forecasting of maximum human lifespan by 2100 using Bayesian population projections. *Demographic Research*,44, 1271-1294	1	2