

Mike West

List of Publications by Year in descending order

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139
papers

14,603
citations

36271

51
h-index

20943

115
g-index

147
all docs

147
docs citations

147
times ranked

12799
citing authors

#	ARTICLE	IF	CITATIONS
1	Bayesian Computation in Dynamic Latent Factor Models. Journal of Computational and Graphical Statistics, 2022, 31, 651-665.	0.9	1
2	Adaptive Variable Selection for Sequential Prediction in Multivariate Dynamic Models. Bayesian Analysis, 2021, -1, .	1.6	4
3	Bayesian Forecasting of Many Count-Valued Time Series. Journal of Business and Economic Statistics, 2020, 38, 872-887.	1.8	32
4	Multivariate Bayesian Predictive Synthesis in Macroeconomic Forecasting. Journal of the American Statistical Association, 2020, 115, 1092-1110.	1.8	31
5	Reply to Discussion of “Bayesian forecasting of multivariate time series: scalability, structure uncertainty and decisions”: Annals of the Institute of Statistical Mathematics, 2020, 72, 41-44.	0.5	3
6	Bayesian forecasting of multivariate time series: scalability, structure uncertainty and decisions. Annals of the Institute of Statistical Mathematics, 2020, 72, 1-31.	0.5	22
7	Probabilistic forecasting of heterogeneous consumer transaction “sales time series. International Journal of Forecasting, 2020, 36, 552-569.	3.9	25
8	Variable prioritization in nonlinear black box methods: A genetic association case study. Annals of Applied Statistics, 2019, 13, 958-989.	0.5	20
9	Bayesian dynamic modeling and monitoring of network flows. Network Science, 2019, 7, 292-318.	0.8	9
10	Dynamic Bayesian predictive synthesis in time series forecasting. Journal of Econometrics, 2019, 210, 155-169.	3.5	59
11	Bayesian Emulation for Multi-Step Optimization in Decision Problems. Bayesian Analysis, 2019, 14, .	1.6	10
12	Scalable Bayesian Modeling, Monitoring, and Analysis of Dynamic Network Flow Data. Journal of the American Statistical Association, 2018, 113, 519-533.	1.8	27
13	Bayesian online variable selection and scalable multivariate volatility forecasting in simultaneous graphical dynamic linear models. Econometrics and Statistics, 2017, 3, 3-22.	0.4	31
14	Dynamics & sparsity in latent threshold factor models: A study in multivariate EEG signal processing. Brazilian Journal of Probability and Statistics, 2017, 31, .	0.1	10
15	Rejoinder to “Dynamic dependence networks: Financial time series forecasting and portfolio decisions”™. Applied Stochastic Models in Business and Industry, 2016, 32, 336-339.	0.9	1
16	Dynamic dependence networks: Financial time series forecasting and portfolio decisions. Applied Stochastic Models in Business and Industry, 2016, 32, 311-332.	0.9	28
17	GPU-Accelerated Bayesian Learning and Forecasting in Simultaneous Graphical Dynamic Linear Models. Bayesian Analysis, 2016, 11, .	1.6	39
18	Discriminative variable subsets in Bayesian classification with mixture models, with application in flow cytometry studies. Biostatistics, 2016, 17, 40-53.	0.9	10

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19	Sequential Monte Carlo with Adaptive Weights for Approximate Bayesian Computation. <i>Bayesian Analysis</i> , 2015, 10, .	1.6	34
20	Dynamic network signal processing using latent threshold models. , 2015, 47, 5-16.		16
21	Bayesian forecasting and portfolio decisions using dynamic dependent sparse factor models. <i>International Journal of Forecasting</i> , 2014, 30, 963-980.	3.9	50
22	Spatially varying SAR models and Bayesian inference for high-resolution lattice data. <i>Annals of the Institute of Statistical Mathematics</i> , 2014, 66, 473-494.	0.5	5
23	Hierarchical Modeling for Rare Event Detection and Cell Subset Alignment across Flow Cytometry Samples. <i>PLoS Computational Biology</i> , 2013, 9, e1003130.	1.5	69
24	Hierarchical Bayesian mixture modelling for antigen-specific T-cell subtyping in combinatorially encoded flow cytometry studies. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2013, 12, 309-31.	0.2	12
25	Bayesian Analysis of Latent Threshold Dynamic Models. <i>Journal of Business and Economic Statistics</i> , 2013, 31, 151-164.	1.8	94
26	Bayesian Spatio-Dynamic Modeling in Cell Motility Studies: Learning Nonlinear Toxic Fields Guiding the Immune Response. <i>Journal of the American Statistical Association</i> , 2012, 107, 855-865.	1.8	7
27	Efficient Classification-Based Relabeling in Mixture Models. <i>American Statistician</i> , 2011, 65, 16-20.	0.9	27
28	Origin of bistability underlying mammalian cell cycle entry. <i>Molecular Systems Biology</i> , 2011, 7, 485.	3.2	106
29	Bayesian Learning from Marginal Data in Bionetwork Models. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2011, 10, .	0.2	25
30	Computation of Steady-State Probability Distributions in Stochastic Models of Cellular Networks. <i>PLoS Computational Biology</i> , 2011, 7, e1002209.	1.5	12
31	Image segmentation and dynamic lineage analysis in single-cell fluorescence microscopy. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2010, 77A, 101-110.	1.1	55
32	Selection sampling from large data sets for targeted inference in mixture modeling. <i>Bayesian Analysis</i> , 2010, 5, .	1.6	12
33	Optimization of a highly standardized carboxyfluorescein succinimidyl ester flow cytometry panel and gating strategy design using discriminative information measure evaluation. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2010, 77A, 1126-1136.	1.1	8
34	Understanding GPU Programming for Statistical Computation: Studies in Massively Parallel Massive Mixtures. <i>Journal of Computational and Graphical Statistics</i> , 2010, 19, 419-438.	0.9	148
35	Adaptive Mixture Modeling Metropolis Methods for Bayesian Analysis of Nonlinear State-Space Models. <i>Journal of Computational and Graphical Statistics</i> , 2010, 19, 260-280.	0.9	17
36	Lactic Acidosis Triggers Starvation Response with Paradoxical Induction of TXNIP through MondoA. <i>PLoS Genetics</i> , 2010, 6, e1001093.	1.5	110

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37	Selection Sampling from Large Data Sets for Targeted Inference in Mixture Modeling. Bayesian Analysis, 2010, 5, 1-22.	1.6	13
38	Bayesian Learning in Sparse Graphical Factor Models via Variational Mean-Field Annealing. Journal of Machine Learning Research, 2010, 11, 1771-1798.	62.4	14
39	Spatial mixture modelling for unobserved point processes: examples in immunofluorescence histology. Bayesian Analysis, 2009, 4, 297-316.	1.6	25
40	A dynamic modelling strategy for Bayesian computer model emulation. Bayesian Analysis, 2009, 4, .	1.6	60
41	Cross-Study Projections of Genomic Biomarkers: An Evaluation in Cancer Genomics. PLoS ONE, 2009, 4, e4523.	1.1	15
42	A Bayesian Analysis Strategy for Cross-Study Translation of Gene Expression Biomarkers. Statistical Applications in Genetics and Molecular Biology, 2009, 8, 1-26.	0.2	23
43	A Genomic Strategy to Elucidate Modules of Oncogenic Pathway Signaling Networks. Molecular Cell, 2009, 34, 104-114.	4.5	101
44	Bayesian analysis of matrix normal graphical models. Biometrika, 2009, 96, 821-834.	1.3	63
45	An integrative analysis of cancer gene expression studies using Bayesian latent factor modeling. Annals of Applied Statistics, 2009, 3, 1675-1694.	0.5	9
46	Bayesian Weibull tree models for survival analysis of clinico-genomic data. Statistical Methodology, 2008, 5, 238-262.	0.5	10
47	Statistical mixture modeling for cell subtype identification in flow cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2008, 73A, 693-701.	1.1	84
48	Of Cardiovascular Illness and Diversity of Biological Response. Trends in Cardiovascular Medicine, 2008, 18, 194-197.	2.3	2
49	The Genomic Analysis of Lactic Acidosis and Acidosis Response in Human Cancers. PLoS Genetics, 2008, 4, e1000293.	1.5	188
50	High-Dimensional Sparse Factor Modeling: Applications in Gene Expression Genomics. Journal of the American Statistical Association, 2008, 103, 1438-1456.	1.8	315
51	Shotgun Stochastic Search for ℓ_1 -Regression. Journal of the American Statistical Association, 2007, 102, 507-516.	1.8	180
52	The Use of Unlabeled Data in Predictive Modeling. Statistical Science, 2007, 22, 189.	1.6	27
53	Dynamic matrix-variate graphical models. Bayesian Analysis, 2007, 2, .	1.6	108
54	An Integrated Genomic-Based Approach to Individualized Treatment of Patients With Advanced-Stage Ovarian Cancer. Journal of Clinical Oncology, 2007, 25, 517-525.	0.8	247

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55	Bayesian CART: Prior Specification and Posterior Simulation. <i>Journal of Computational and Graphical Statistics</i> , 2007, 16, 44-66.	0.9	52
56	Of mice and men: Sparse statistical modeling in cardiovascular genomics. <i>Annals of Applied Statistics</i> , 2007, 1, .	0.5	21
57	A Genomic Strategy to Refine Prognosis in Early-Stage Non-Small-Cell Lung Cancer. <i>New England Journal of Medicine</i> , 2006, 355, 570-580.	13.9	577
58	Oncogenic pathway signatures in human cancers as a guide to targeted therapies. <i>Nature</i> , 2006, 439, 353-357.	13.7	1,815
59	Prognostic index score and clinical prediction model of local regional recurrence after mastectomy in breast cancer patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006, 64, 1401-1409.	0.4	52
60	Data augmentation in multi-way contingency tables with fixed marginal totals. <i>Journal of Statistical Planning and Inference</i> , 2006, 136, 355-372.	0.4	14
61	Embracing the complexity of genomic data for personalized medicine. <i>Genome Research</i> , 2006, 16, 559-566.	2.4	121
62	Genomic Prediction of Locoregional Recurrence After Mastectomy in Breast Cancer. <i>Journal of Clinical Oncology</i> , 2006, 24, 4594-4602.	0.8	97
63	Gene Expression Profiles of Multiple Breast Cancer Phenotypes and Response to Neoadjuvant Chemotherapy. <i>Clinical Cancer Research</i> , 2006, 12, 819-826.	3.2	120
64	Multi-scale and hidden resolution time series models. <i>Bayesian Analysis</i> , 2006, 1, .	1.6	16
65	Experiments in Stochastic Computation for High-Dimensional Graphical Models. <i>Statistical Science</i> , 2005, 20, 388.	1.6	161
66	DIG—a system for gene annotation and functional discovery. <i>Bioinformatics</i> , 2005, 21, 2957-2959.	1.8	1
67	Covariance decomposition in undirected Gaussian graphical models. <i>Biometrika</i> , 2005, 92, 779-786.	1.3	46
68	Molecular evidence for arterial repair in atherosclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 16789-16794.	3.3	86
69	Gene Expression Profiling and Genetic Markers in Glioblastoma Survival. <i>Cancer Research</i> , 2005, 65, 4051-4058.	0.4	298
70	Patterns of Gene Expression That Characterize Long-term Survival in Advanced Stage Serous Ovarian Cancers. <i>Clinical Cancer Research</i> , 2005, 11, 3686-3696.	3.2	246
71	Distinctions in the specificity of E2F function revealed by gene expression signatures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 15948-15953.	3.3	65
72	Bayesian analysis of binary prediction tree models for retrospectively sampled outcomes. <i>Biostatistics</i> , 2004, 5, 587-601.	0.9	34

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73	Gene Expression Phenotypes of Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004, 24, 1922-1927.	1.1	131
74	Monte Carlo Smoothing for Nonlinear Time Series. <i>Journal of the American Statistical Association</i> , 2004, 99, 156-168.	1.8	347
75	Integrated modeling of clinical and gene expression information for personalized prediction of disease outcomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 8431-8436.	3.3	200
76	An overview of genomic data analysis. <i>Surgery</i> , 2004, 136, 497-499.	1.0	2
77	Prediction of optimal versus suboptimal cytoreduction of advanced-stage serous ovarian cancer with the use of microarrays. <i>American Journal of Obstetrics and Gynecology</i> , 2004, 190, 910-923.	0.7	80
78	Sparse graphical models for exploring gene expression data. <i>Journal of Multivariate Analysis</i> , 2004, 90, 196-212.	0.5	337
79	Gene expression phenotypic models that predict the activity of oncogenic pathways. <i>Nature Genetics</i> , 2003, 34, 226-230.	9.4	247
80	Gene expression predictors of breast cancer outcomes. <i>Lancet, The</i> , 2003, 361, 1590-1596.	6.3	581
81	Towards integrated clinico-genomic models for personalized medicine: combining gene expression signatures and clinical factors in breast cancer outcomes prediction. <i>Human Molecular Genetics</i> , 2003, 12, R153-R157.	1.4	120
82	Gene Expression Phenotypes of Oncogenic Signaling Pathways. <i>Cell Cycle</i> , 2003, 2, 414-416.	1.3	13
83	Gene Expression Profiling for Prediction of Clinical Characteristics of Breast Cancer. <i>Endocrine Reviews</i> , 2003, 58, 55-73.	7.1	26
84	Distinct gene expression phenotypes of cells lacking Rb and Rb family members. <i>Cancer Research</i> , 2003, 63, 3716-23.	0.4	67
85	Gene expression phenotypes of oncogenic signaling pathways. <i>Cell Cycle</i> , 2003, 2, 415-7.	1.3	7
86	Markov Random Field Models for High-Dimensional Parameters in Simulations of Fluid Flow in Porous Media. <i>Technometrics</i> , 2002, 44, 230-241.	1.3	60
87	Statistical analyses of freeway traffic flows. <i>Journal of Forecasting</i> , 2002, 21, 39-68.	1.6	29
88	Prediction and uncertainty in the analysis of gene expression profiles. <i>In Silico Biology</i> , 2002, 2, 369-81.	0.4	23
89	Maximum a Posteriori Sequence Estimation Using Monte Carlo Particle Filters. <i>Annals of the Institute of Statistical Mathematics</i> , 2001, 53, 82-96.	0.5	79
90	Role for E2F in Control of Both DNA Replication and Mitotic Functions as Revealed from DNA Microarray Analysis. <i>Molecular and Cellular Biology</i> , 2001, 21, 4684-4699.	1.1	560

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91	EEG effects of ECT: Implications for rTMS. <i>Depression and Anxiety</i> , 2000, 12, 157-165.	2.0	29
92	Bayesian Dynamic Factor Models and Portfolio Allocation. <i>Journal of Business and Economic Statistics</i> , 2000, 18, 338-357.	1.8	217
93	Bayesian Dynamic Factor Models and Portfolio Allocation. <i>Journal of Business and Economic Statistics</i> , 2000, 18, 338.	1.8	185
94	Bayesian Inference on Periodicities and Component Spectral Structure in Time Series. <i>Journal of Time Series Analysis</i> , 1999, 20, 401-416.	0.7	24
95	Evaluation and Comparison of EEG Traces: Latent Structure in Nonstationary Time Series. <i>Journal of the American Statistical Association</i> , 1999, 94, 1083-1095.	1.8	58
96	Evaluation and Comparison of EEG Traces: Latent Structure in Nonstationary Time Series. <i>Journal of the American Statistical Association</i> , 1999, 94, 375-387.	1.8	23
97	Analysis of hospital quality monitors using hierarchical time series models. <i>Lecture Notes in Statistics</i> , 1999, , 287-302.	0.1	6
98	Evaluation and Comparison of EEG Traces: Latent Structure in Nonstationary Time Series. <i>Journal of the American Statistical Association</i> , 1999, 94, 1083.	1.8	11
99	Mixture Models in the Exploration of Structure-Activity Relationships in Drug Design. <i>Lecture Notes in Statistics</i> , 1999, , 339-353.	0.1	0
100	Bayesian Inference on Network Traffic Using Link Count Data. <i>Journal of the American Statistical Association</i> , 1998, 93, 557-573.	1.8	234
101	Computing Nonparametric Hierarchical Models. <i>Lecture Notes in Statistics</i> , 1998, , 1-22.	0.1	57
102	Hierarchical Mixture Models in Neurological Transmission Analysis. <i>Journal of the American Statistical Association</i> , 1997, 92, 587-606.	1.8	25
103	Bayesian Forecasting of Multinomial Time Series Through Conditional Gaussian Dynamic Models. <i>Journal of the American Statistical Association</i> , 1997, 92, 640.	1.8	23
104	Bayesian Forecasting of Multinomial Time Series through Conditionally Gaussian Dynamic Models. <i>Journal of the American Statistical Association</i> , 1997, 92, 640-647.	1.8	56
105	Bayesian Models for Nonlinear Autoregressions. <i>Journal of Time Series Analysis</i> , 1997, 18, 593-614.	0.7	23
106	Exploratory Modelling of Multiple Non-Stationary Time Series: Latent Process Structure and Decompositions. <i>Lecture Notes in Statistics</i> , 1997, , 349-361.	0.1	14
107	Hierarchical Mixture Models in Neurological Transmission Analysis. <i>Journal of the American Statistical Association</i> , 1997, 92, 587.	1.8	4
108	Practical Bayesian Inference Using Mixtures of Mixtures. <i>Biometrics</i> , 1996, 52, 1334.	0.8	5

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109	Inference in successive sampling discovery models. <i>Journal of Econometrics</i> , 1996, 75, 217-238.	3.5	13
110	Bayesian curve fitting using multivariate normal mixtures. <i>Biometrika</i> , 1996, 83, 67-79.	1.3	238
111	Bayesian Inference in Cyclical Component Dynamic Linear Models. <i>Journal of the American Statistical Association</i> , 1995, 90, 1301-1312.	1.8	32
112	Bayesian Density Estimation and Inference Using Mixtures. <i>Journal of the American Statistical Association</i> , 1995, 90, 577-588.	1.8	1,543
113	Bayesian Density Estimation and Inference Using Mixtures. <i>Journal of the American Statistical Association</i> , 1995, 90, 577.	1.8	262
114	Bayesian Inference in Cyclical Component Dynamic Linear Models. <i>Journal of the American Statistical Association</i> , 1995, 90, 1301.	1.8	5
115	Applied Bayesian Forecasting and Time Series Analysis. , 1994, , .		158
116	Deconvolution of Mixtures in Analysis of Neural Synaptic Transmission. <i>Journal of the Royal Statistical Society: Series D (the Statistician)</i> , 1994, 43, 31.	0.2	18
117	Bayesian analysis of mixtures applied to post-synaptic potential fluctuations. <i>Journal of Neuroscience Methods</i> , 1993, 47, 1-21.	1.3	21
118	Approximating Posterior Distributions by Mixtures. <i>Journal of the Royal Statistical Society Series B: Methodological</i> , 1993, 55, 409-422.	0.8	101
119	A Bayesian method for classification and discrimination. <i>Canadian Journal of Statistics</i> , 1992, 20, 451-461.	0.6	103
120	Modelling Time-Varying Hazards and Covariate Effects. , 1992, , 47-62.		11
121	Data Base Error Trapping and Prediction. <i>Journal of the American Statistical Association</i> , 1991, 86, 987-996.	1.8	11
122	Dynamic linear model diagnostics. <i>Biometrika</i> , 1991, 78, 797-808.	1.3	23
123	Efficient bayesian learning in non-linear dynamic models. <i>Journal of Forecasting</i> , 1990, 9, 119-136.	1.6	23
124	Subjective intervention in formal models. <i>Journal of Forecasting</i> , 1989, 8, 33-53.	1.6	39
125	REFERENCE ANALYSIS OF THE DYNAMIC LINEAR MODEL. <i>Journal of Time Series Analysis</i> , 1989, 10, 131-147.	0.7	12
126	Bayesian Forecasting and Dynamic Models. <i>Springer Series in Statistics</i> , 1989, , .	0.9	403

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127	An Application of Dynamic Survival Models in Unemployment Studies. Journal of the Royal Statistical Society: Series D (the Statistician), 1987, 36, 269.	0.2	27
128	An Analysis of International Exchange Rates Using Multivariate DLM's. Journal of the Royal Statistical Society: Series D (the Statistician), 1987, 36, 275.	0.2	51
129	On scale mixtures of normal distributions. Biometrika, 1987, 74, 646-648.	1.3	246
130	Practical Bayesian Forecasting. Journal of the Royal Statistical Society: Series D (the Statistician), 1987, 36, 115.	0.2	35
131	Bayesian Models and Methods for Binary Time Series. , 1987, , 487-495.		3
132	Monitoring and Adaptation in Bayesian Forecasting Models. Journal of the American Statistical Association, 1986, 81, 741-750.	1.8	47
133	Bayesian Model Monitoring. Journal of the Royal Statistical Society Series B: Methodological, 1986, 48, 70-78.	0.8	20
134	Monitoring and Adaptation in Bayesian Forecasting Models. Journal of the American Statistical Association, 1986, 81, 741.	1.8	10
135	Dynamic Generalized Linear Models and Bayesian Forecasting. Journal of the American Statistical Association, 1985, 80, 73-83.	1.8	406
136	Dynamic Generalized Linear Models and Bayesian Forecasting. Journal of the American Statistical Association, 1985, 80, 73.	1.8	68
137	Multivariate Bayesian Predictive Synthesis in Macroeconomic Forecasting. SSRN Electronic Journal, 0, , .	0.4	1
138	Bayesian Inference on Network Traffic Using Link Count Data. , 0, .		95
139	Evaluation and Comparison of EEG Traces: Latent Structure in Nonstationary Time Series. , 0, .		3