Mike West

List of Publications by Year
in descending order

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139 papers	14,603 citations	34105 52 h-index	20961 115 g-index
147 all docs	147 docs citations	147 times ranked	12799 citing authors

#	Article	IF	Citations
1	Oncogenic pathway signatures in human cancers as a guide to targeted therapies. Nature, 2006, 439, 353-357.	27.8	1,815
2	Bayesian Density Estimation and Inference Using Mixtures. Journal of the American Statistical Association, 1995, 90, 577-588.	3.1	1,543
3	Gene expression predictors of breast cancer outcomes. Lancet, The, 2003, 361, 1590-1596.	13.7	581
4	A Genomic Strategy to Refine Prognosis in Early-Stage Nonâ€“Small-Cell Lung Cancer. New England Journal of Medicine, 2006, 355, 570-580.	27.0	577
5	Role for E2F in Control of Both DNA Replication and Mitotic Functions as Revealed from DNA Microarray Analysis. Molecular and Cellular Biology, 2001, 21, 4684-4699.	2.3	560
6	Dynamic Generalized Linear Models and Bayesian Forecasting. Journal of the American Statistical Association, 1985, 80, 73-83.	3.1	406
7	Bayesian Forecasting and Dynamic Models. Springer Series in Statistics, 1989, , .	0.9	403
8	Monte Carlo Smoothing for Nonlinear Time Series. Journal of the American Statistical Association, 2004, 99, 156-168.	3.1	347
9	Sparse graphical models for exploring gene expression data. Journal of Multivariate Analysis, 2004, 90, 196-212.	1.0	337
10	High-Dimensional Sparse Factor Modeling: Applications in Gene Expression Genomics. Journal of the American Statistical Association, 2008, 103, 1438-1456.	3.1	315
11	Gene Expression Profiling and Genetic Markers in Glioblastoma Survival. Cancer Research, 2005, 65, 4051-4058.	0.9	298
12	Bayesian Density Estimation and Inference Using Mixtures. Journal of the American Statistical Association, 1995, 90, 577.	3.1	262
13	Gene expression phenotypic models that predict the activity of oncogenic pathways. Nature Genetics, 2003, 34, 226-230.	21.4	247
14	An Integrated Genomic-Based Approach to Individualized Treatment of Patients With Advanced-Stage Ovarian Cancer. Journal of Clinical Oncology, 2007, 25, 517-525.	1.6	247
15	On scale mixtures of normal distributions. Biometrika, 1987, 74, 646-648.	2.4	246
16	Patterns of Gene Expression That Characterize Long-term Survival in Advanced Stage Serous Ovarian Cancers. Clinical Cancer Research, 2005, 11, 3686-3696.	7.0	246
17	Bayesian curve fitting using multivariate normal mixtures. Biometrika, 1996, 83, 67-79.	2.4	238
18	Bayesian Inference on Network Traffic Using Link Count Data. Journal of the American Statistical Association, 1998, 93, 557-573.	3.1	234

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19	Bayesian Dynamic Factor Models and Portfolio Allocation. Journal of Business and Economic Statistics, 2000, 18, 338-357.	2.9	217
20	Integrated modeling of clinical and gene expression information for personalized prediction of disease outcomes. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 8431-8436.	7.1	200
21	The Genomic Analysis of Lactic Acidosis and Acidosis Response in Human Cancers. PLoS Genetics, 2008, 4, e1000293.	3.5	188
22	Bayesian Dynamic Factor Models and Portfolio Allocation. Journal of Business and Economic Statistics, 2000, 18, 338.	2.9	185
23	Shotgun Stochastic Search for â€œLargepâ€•Regression. Journal of the American Statistical Association, 2007, 102, 507-516.	3.1	180
24	Experiments in Stochastic Computation for High-Dimensional Graphical Models. Statistical Science, 2005, 20, 388.	2.8	161
25	Applied Bayesian Forecasting and Time Series Analysis. , 1994, , .		158
26	Understanding GPU Programming for Statistical Computation: Studies in Massively Parallel Massive Mixtures. Journal of Computational and Graphical Statistics, 2010, 19, 419-438.	1.7	148
27	Gene Expression Phenotypes of Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2004, 24, 1922-1927.	2.4	131
28	Embracing the complexity of genomic data for personalized medicine. Genome Research, 2006, 16, 559-566.	5.5	121
29	Towards integrated clinico-genomic models for personalized medicine: combining gene expression signatures and clinical factors in breast cancer outcomes prediction. Human Molecular Genetics, 2003, 12, R153-R157.	2.9	120
30	Gene Expression Profiles of Multiple Breast Cancer Phenotypes and Response to Neoadjuvant Chemotherapy. Clinical Cancer Research, 2006, 12, 819-826.	7.0	120
31	Lactic Acidosis Triggers Starvation Response with Paradoxical Induction of TXNIP through MondoA. PLoS Genetics, 2010, 6, e1001093.	3.5	110
32	Dynamic matrix-variate graphical models. Bayesian Analysis, 2007, 2, .	3.0	108
33	Origin of bistability underlying mammalian cell cycle entry. Molecular Systems Biology, 2011, 7, 485.	7.2	106
34	A Bayesian method for classification and discrimination. Canadian Journal of Statistics, 1992, 20, 451-461.	0.9	103
35	Approximating Posterior Distributions by Mixtures. Journal of the Royal Statistical Society Series B: Methodological, 1993, 55, 409-422.	0.7	101
36	A Genomic Strategy to Elucidate Modules of Oncogenic Pathway Signaling Networks. Molecular Cell, 2009, 34, 104-114.	9.7	101

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37	Genomic Prediction of Locoregional Recurrence After Mastectomy in Breast Cancer. Journal of Clinical Oncology, 2006, 24, 4594-4602.	1.6	97
38	Bayesian Inference on Network Traffic Using Link Count Data. Journal of the American Statistical Association, 1998, 93, 557.	3.1	95
39	Bayesian Analysis of Latent Threshold Dynamic Models. Journal of Business and Economic Statistics, 2013, 31, 151-164.	2.9	94
40	Molecular evidence for arterial repair in atherosclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16789-16794.	7.1	86
41	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.	1.5	84
42	Prediction of optimal versus suboptimal cytoreduction of advanced-stage serous ovarian cancer with the use of microarrays. American Journal of Obstetrics and Gynecology, 2004, 190, 910-923.	1.3	80
43	Maximum a Posteriori Sequence Estimation Using Monte Carlo Particle Filters. Annals of the Institute of Statistical Mathematics, 2001, 53, 82-96.	0.8	79
44	Hierarchical Modeling for Rare Event Detection and Cell Subset Alignment across Flow Cytometry Samples. PLoS Computational Biology, 2013, 9, e1003130.	3.2	69
45	Dynamic Generalized Linear Models and Bayesian Forecasting. Journal of the American Statistical Association, 1985, 80, 73.	3.1	68
46	Distinct gene expression phenotypes of cells lacking Rb and Rb family members. Cancer Research, 2003, 63, 3716-23.	0.9	67
47	Distinctions in the specificity of E2F function revealed by gene expression signatures. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15948-15953.	7.1	65
48	Bayesian analysis of matrix normal graphical models. Biometrika, 2009, 96, 821-834.	2.4	63
49	Markov Random Field Models for High-Dimensional Parameters in Simulations of Fluid Flow in Porous Media. Technometrics, 2002, 44, 230-241.	1.9	60
50	A dynamic modelling strategy for Bayesian computer model emulation. Bayesian Analysis, 2009, 4, .	3.0	60
51	Dynamic Bayesian predictive synthesis in time series forecasting. Journal of Econometrics, 2019, 210, 155-169.	6.5	59
52	Evaluation and Comparison of EEG Traces: Latent Structure in Nonstationary Time Series. Journal of the American Statistical Association, 1999, 94, 1083-1095.	3.1	58
53	Computing Nonparametric Hierarchical Models. Lecture Notes in Statistics, 1998, , 1-22.	0.2	57
54	Bayesian Forecasting of Multinomial Time Series through Conditionally Gaussian Dynamic Models. Journal of the American Statistical Association, 1997, 92, 640-647.	3.1	56

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55	Image segmentation and dynamic lineage analysis in singleâ€cell fluorescence microscopy. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2010, 77A, 101-110.	1.5	55
56	Prognostic index score and clinical prediction model of local regional recurrence after mastectomy in breast cancer patients. International Journal of Radiation Oncology Biology Physics, 2006, 64, 1401-1409.	0.8	52
57	Bayesian CART: Prior Specification and Posterior Simulation. Journal of Computational and Graphical Statistics, 2007, 16, 44-66.	1.7	52
58	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
59	Bayesian forecasting and portfolio decisions using dynamic dependent sparse factor models. International Journal of Forecasting, 2014, 30, 963-980.	6.5	50
60	Monitoring and Adaptation in Bayesian Forecasting Models. Journal of the American Statistical Association, 1986, 81, 741-750.	3.1	47
61	Covariance decomposition in undirected Gaussian graphical models. Biometrika, 2005, 92, 779-786.	2.4	46
62	Subjective intervention in formal models. Journal of Forecasting, 1989, 8, 33-53.	2.8	39
63	GPU-Accelerated Bayesian Learning and Forecasting in Simultaneous Graphical Dynamic Linear Models. Bayesian Analysis, 2016, 11, .	3.0	39
64	Practical Bayesian Forecasting. Journal of the Royal Statistical Society: Series D (the Statistician), 1987, 36, 115.	0.2	35
65	Bayesian analysis of binary prediction tree models for retrospectively sampled outcomes. Biostatistics, 2004, 5, 587-601.	1.5	34
66	Sequential Monte Carlo with Adaptive Weights for Approximate Bayesian Computation. Bayesian Analysis, 2015, 10, .	3.0	34
67	Bayesian Inference in Cyclical Component Dynamic Linear Models. Journal of the American Statistical Association, 1995, 90, 1301-1312.	3.1	32
68	Bayesian Forecasting of Many Count-Valued Time Series. Journal of Business and Economic Statistics, 2020, 38, 872-887.	2.9	32
69	Bayesian online variable selection and scalable multivariate volatility forecasting in simultaneous graphical dynamic linear models. Econometrics and Statistics, 2017, 3, 3-22.	0.8	31
70	Multivariate Bayesian Predictive Synthesis in Macroeconomic Forecasting. Journal of the American Statistical Association, 2020, 115, 1092-1110.	3.1	31
71	EEG effects of ECT: Implications for rTMS. Depression and Anxiety, 2000, 12, 157-165.	4.1	29
72	Statistical analyses of freeway traffic flows. Journal of Forecasting, 2002, 21, 39-68.	2.8	29

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73	Dynamic dependence networks: Financial time series forecasting and portfolio decisions. Applied Stochastic Models in Business and Industry, 2016, 32, 311-332.	1.5	28
74	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
75	The Use of Unlabeled Data in Predictive Modeling. Statistical Science, 2007, 22, 189.	2.8	27
76	Efficient Classification-Based Relabeling in Mixture Models. American Statistician, 2011, 65, 16-20.	1.6	27
77	Scalable Bayesian Modeling, Monitoring, and Analysis of Dynamic Network Flow Data. Journal of the American Statistical Association, 2018, 113, 519-533.	3.1	27
78	Gene Expression Profiling for Prediction of Clinical Characteristics of Breast Cancer. Endocrine Reviews, 2003, 58, 55-73.	6.7	26
79	Hierarchical Mixture Models in Neurological Transmission Analysis. Journal of the American Statistical Association, 1997, 92, 587-606.	3.1	25
80	Spatial mixture modelling for unobserved point processes: examples in immunofluorescence histology. Bayesian Analysis, 2009, 4, 297-316.	3.0	25
81	Bayesian Learning from Marginal Data in Bionetwork Models. Statistical Applications in Genetics and Molecular Biology, 2011, 10, .	0.6	25
82	Probabilistic forecasting of heterogeneous consumer transactionâ€“sales time series. International Journal of Forecasting, 2020, 36, 552-569.	6.5	25
83	Bayesian Inference on Periodicities and Component Spectral Structure in Time Series. Journal of Time Series Analysis, 1999, 20, 401-416.	1.2	24
84	Efficient bayesian learning in nonâ€linear dynamic models. Journal of Forecasting, 1990, 9, 119-136.	2.8	23
85	Dynamic linear model diagnostics. Biometrika, 1991, 78, 797-808.	2.4	23
86	Bayesian Forecasting of Multinomial Time Series Through Conditional Gaussian Dynamic Models. Journal of the American Statistical Association, 1997, 92, 640.	3.1	23
87	Bayesian Models for Nonâ€linear Autoregressions. Journal of Time Series Analysis, 1997, 18, 593-614.	1.2	23
88	Evaluation and Comparison of EEG Traces: Latent Structure in Nonstationary Time Series. Journal of the American Statistical Association, 1999, 94, 375-387.	3.1	23
89	A Bayesian Analysis Strategy for Cross-Study Translation of Gene Expression Biomarkers. Statistical Applications in Genetics and Molecular Biology, 2009, 8, 1-26.	0.6	23
90	Prediction and uncertainty in the analysis of gene expression profiles. In Silico Biology, 2002, 2, 369-81.	0.9	23

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91	Bayesian forecasting of multivariate time series: scalability, structure uncertainty and decisions. Annals of the Institute of Statistical Mathematics, 2020, 72, 1-31.	0.8	22
92	Bayesian analysis of mixtures applied to post-synaptic potential fluctuations. Journal of Neuroscience Methods, 1993, 47, 1-21.	2.5	21
93	Of mice and men: Sparse statistical modeling in cardiovascular genomics. Annals of Applied Statistics, 2007, 1, .	1.1	21
94	Bayesian Model Monitoring. Journal of the Royal Statistical Society Series B: Methodological, 1986, 48, 70-78.	0.7	20
95	Variable prioritization in nonlinear black box methods: A genetic association case study. Annals of Applied Statistics, 2019, 13, 958-989.	1.1	20
96	Deconvolution of Mixtures in Analysis of Neural Synaptic Transmission. Journal of the Royal Statistical Society: Series D (the Statistician), 1994, 43, 31.	0.2	18
97	Adaptive Mixture Modeling Metropolis Methods for Bayesian Analysis of Nonlinear State-Space Models. Journal of Computational and Graphical Statistics, 2010, 19, 260-280.	1.7	17
98	Dynamic network signal processing using latent threshold models. , 2015, 47, 5-16.		16
99	Multi-scale and hidden resolution time series models. Bayesian Analysis, 2006, 1, .	3.0	16
100	Cross-Study Projections of Genomic Biomarkers: An Evaluation in Cancer Genomics. PLoS ONE, 2009, 4, e4523.	2.5	15
101	Data augmentation in multi-way contingency tables with fixed marginal totals. Journal of Statistical Planning and Inference, 2006, 136, 355-372.	0.6	14
102	Exploratory Modelling of Multiple Non-Stationary Time Series: Latent Process Structure and Decompositions. Lecture Notes in Statistics, 1997, , 349-361.	0.2	14
103	Bayesian Learning in Sparse Graphical Factor Models via Variational Mean-Field Annealing. Journal of Machine Learning Research, 2010, 11, 1771-1798.	62.4	14
104	Inference in successive sampling discovery models. Journal of Econometrics, 1996, 75, 217-238.	6.5	13
105	Gene Expression Phenotypes of Oncogenic Signaling Pathways. Cell Cycle, 2003, 2, 414-416.	2.6	13
106	Selection Sampling from Large Data Sets for Targeted Inference in Mixture Modeling. Bayesian Analysis, 2010, 5, 1-22.	3.0	13
107	REFERENCE ANALYSIS OF THE DYNAMIC LINEAR MODEL. Journal of Time Series Analysis, 1989, 10, 131-147.	1.2	12
108	Selection sampling from large data sets for targeted inference in mixture modeling. Bayesian Analysis, 2010, 5, .	3.0	12

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109	Computation of Steady-State Probability Distributions in Stochastic Models of Cellular Networks. PLoS Computational Biology, 2011, 7, e1002209.	3.2	12
110	Hierarchical Bayesian mixture modelling for antigen-specific T-cell subtyping in combinatorially encoded flow cytometry studies. Statistical Applications in Genetics and Molecular Biology, 2013, 12, 309-31.	0.6	12
111	Data Base Error Trapping and Prediction. Journal of the American Statistical Association, 1991, 86, 987-996.	3.1	11
112	Modelling Time-Varying Hazards and Covariate Effects. , 1992, , 47-62.		11
113	Evaluation and Comparison of EEG Traces: Latent Structure in Nonstationary Time Series. Journal of the American Statistical Association, 1999, 94, 1083.	3.1	11
114	Bayesian Weibull tree models for survival analysis of clinico-genomic data. Statistical Methodology, 2008, 5, 238-262.	0.5	10
115	Discriminative variable subsets in Bayesian classification with mixture models, with application in flow cytometry studies. Biostatistics, 2016, 17, 40-53.	1.5	10
116	Dynamics & sparsity in latent threshold factor models: A study in multivariate EEG signal processing. Brazilian Journal of Probability and Statistics, 2017, 31, .	0.4	10
117	Bayesian Emulation for Multi-Step Optimization in Decision Problems. Bayesian Analysis, 2019, 14, .	3.0	10
118	Monitoring and Adaptation in Bayesian Forecasting Models. Journal of the American Statistical Association, 1986, 81, 741.	3.1	10
119	An integrative analysis of cancer gene expression studies using Bayesian latent factor modeling. Annals of Applied Statistics, 2009, 3, 1675-1694.	1.1	9
120	Bayesian dynamic modeling and monitoring of network flows. Network Science, 2019, 7, 292-318.	1.0	9
121	Optimization of a highly standardized carboxyfluorescein succinimidyl ester flow cytometry panel and gating strategy design using discriminative information measure evaluation. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2010, 77A, 1126-1136.	1.5	8
122	Bayesian Spatio-Dynamic Modeling in Cell Motility Studies: Learning Nonlinear Taxic Fields Guiding the Immune Response. Journal of the American Statistical Association, 2012, 107, 855-865.	3.1	7
123	Gene expression phenotypes of oncogenic signaling pathways. Cell Cycle, 2003, 2, 415-7.	2.6	7
124	Analysis of hospital quality monitors using hierarchical time series models. Lecture Notes in Statistics, 1999, , 287-302.	0.2	6
125	Practical Bayesian Inference Using Mixtures of Mixtures. Biometrics, 1996, 52, 1334.	1.4	5
126	Spatially varying SAR models and Bayesian inference for high-resolution lattice data. Annals of the Institute of Statistical Mathematics, 2014, 66, 473-494.	0.8	5

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127	Bayesian Inference in Cyclical Component Dynamic Linear Models. Journal of the American Statistical Association, 1995, 90, 1301.	3.1	5
128	Adaptive Variable Selection for Sequential Prediction in Multivariate Dynamic Models. Bayesian Analysis, 2021, -1, .	3.0	4
129	Hierarchical Mixture Models in Neurological Transmission Analysis. Journal of the American Statistical Association, 1997, 92, 587.	3.1	4
130	Reply to Discussion of â€œBayesian forecasting of multivariate time series: scalability, structure uncertainty and decisionsâ€. Annals of the Institute of Statistical Mathematics, 2020, 72, 41-44.	0.8	3
131	Bayesian Models and Methods for Binary Time Series. , 1987, , 487-495.		3
132	Evaluation and Comparison of EEG Traces: Latent Structure in Nonstationary Time Series. Journal of the American Statistical Association, 1999, 94, 375.	3.1	3
133	An overview of genomic data analysis. Surgery, 2004, 136, 497-499.	1.9	2
134	Of Cardiovascular Illness and Diversity of Biological Response. Trends in Cardiovascular Medicine, 2008, 18, 194-197.	4.9	2
135	DIG--a system for gene annotation and functional discovery. Bioinformatics, 2005, 21, 2957-2959.	4.1	1
136	Rejoinder to â€˜Dynamic dependence networks: Financial time series forecasting and portfolio decisionsâ€™. Applied Stochastic Models in Business and Industry, 2016, 32, 336-339.	1.5	1
137	Multivariate Bayesian Predictive Synthesis in Macroeconomic Forecasting. SSRN Electronic Journal, 0, , .	0.4	1
138	Bayesian Computation in Dynamic Latent Factor Models. Journal of Computational and Graphical Statistics, 2022, 31, 651-665.	1.7	1
139	Mixture Models in the Exploration of Structure-Activity Relationships in Drug Design. Lecture Notes in Statistics, 1999, , 339-353.	0.2	0