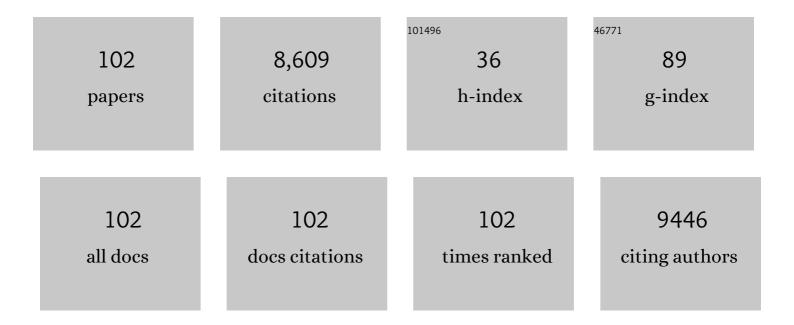
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Reversible Jump PDMP Samplers for Variable Selection. Journal of the American Statistical Association, 2023, 118, 2915-2927.	1.8	5
2	Detecting Abrupt Changes in the Presence of Local Fluctuations and Autocorrelated Noise. Journal of the American Statistical Association, 2022, 117, 2147-2162.	1.8	18
3	Subset Multivariate Collective and Point Anomaly Detection. Journal of Computational and Graphical Statistics, 2022, 31, 574-585.	0.9	9
4	Innovative and Additive Outlier Robust Kalman Filtering With a Robust Particle Filter. IEEE Transactions on Signal Processing, 2022, 70, 47-56.	3.2	14
5	Testing for a Change in Mean after Changepoint Detection. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2022, 84, 1082-1104.	1.1	8
6	A linear time method for the detection of collective andÂpoint anomalies. Statistical Analysis and Data Mining, 2022, 15, 494-508.	1.4	9
7	Scalable change-point and anomaly detection in cross-correlated data with an application to condition monitoring. Annals of Applied Statistics, 2022, 16, .	0.5	6
8	Stochastic Gradient Markov Chain Monte Carlo. Journal of the American Statistical Association, 2021, 116, 433-450.	1.8	45
9	Fast nonconvex deconvolution of calcium imaging data. Biostatistics, 2020, 21, 709-726.	0.9	38
10	Motor unit number estimation via sequential Monte Carlo. Computational Statistics and Data Analysis, 2020, 144, 106845.	0.7	1
11	Quasiâ€stationary Monte Carlo and the ScaLE algorithm. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2020, 82, 1167-1221.	1.1	3
12	BayesProject: Fast computation of a projection direction for multivariate changepoint detection. Statistics and Computing, 2020, 30, 1691-1705.	0.8	4
13	Semi-automated simultaneous predictor selection for regression-SARIMA models. Statistics and Computing, 2020, 30, 1759-1778.	0.8	2
14	Relating and comparing methods for detecting changes in mean. Stat, 2020, 9, e291.	0.3	13
15	Control variates for stochastic gradient MCMC. Statistics and Computing, 2019, 29, 599-615.	0.8	27
16	The Zig-Zag process and super-efficient sampling for Bayesian analysis of big data. Annals of Statistics, 2019, 47, .	1.4	99
17	Detecting Changes in Slope With an <i><i>L</i>₀</i> Penalty. Journal of Computational and Graphical Statistics, 2019, 28, 265-275.	0.9	30
18	Changepoint Detection in the Presence of Outliers. Journal of the American Statistical Association, 2019, 114, 169-183.	1.8	79

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19	Most Recent Changepoint Detection in Panel Data. Technometrics, 2019, 61, 88-98.	1.3	19
20	sgmcmc : An <i>R</i> Package for Stochastic Gradient Markov Chain Monte Carlo. Journal of Statistical Software, 2019, 91, .	1.8	5
21	Piecewise deterministic Markov processes for scalable Monte Carlo on restricted domains. Statistics and Probability Letters, 2018, 136, 148-154.	0.4	29
22	Particle Filters and Data Assimilation. Annual Review of Statistics and Its Application, 2018, 5, 421-449.	4.1	55
23	Piecewise Deterministic Markov Processes for Continuous-Time Monte Carlo. Statistical Science, 2018, 33, .	1.6	47
24	On the asymptotic efficiency of approximate Bayesian computation estimators. Biometrika, 2018, 105, 285-299.	1.3	34
25	Convergence of regression-adjusted approximate Bayesian computation. Biometrika, 2018, 105, 301-318.	1.3	18
26	Computationally Efficient Changepoint Detection for a Range of Penalties. Journal of Computational and Graphical Statistics, 2017, 26, 134-143.	0.9	60
27	On optimal multiple changepoint algorithms for large data. Statistics and Computing, 2017, 27, 519-533.	0.8	94
28	A computationally efficient nonparametric approach for changepoint detection. Statistics and Computing, 2017, 27, 1293-1305.	0.8	86
29	Bayesian Detection of Abnormal Segments in Multiple Time Series. Bayesian Analysis, 2017, 12, .	1.6	24
30	ON THE IDENTIFICATION AND MITIGATION OF WEAKNESSES IN THE KNOWLEDGE GRADIENT POLICY FOR MULTI-ARMED BANDITS. Probability in the Engineering and Informational Sciences, 2017, 31, 239-263.	0.6	2
31	Particle Metropolis-adjusted Langevin algorithms. Biometrika, 2016, 103, 701-717.	1.3	13
32	Particle Approximations of the Score and Observed Information Matrix for Parameter Estimation in State–Space Models With Linear Computational Cost. Journal of Computational and Graphical Statistics, 2016, 25, 1138-1157.	0.9	12
33	Augmentation schemes for particle MCMC. Statistics and Computing, 2016, 26, 1293-1306.	0.8	9
34	Estimating the relative rate of recombination to mutation in bacteria from single-locus variants using composite likelihood methods. Annals of Applied Statistics, 2015, 9, .	0.5	4
35	Tractable diffusion and coalescent processes for weakly correlated loci. Electronic Journal of Probability, 2015, 20, .	0.5	3
36	Classification of nonâ€stationary time series. Stat, 2014, 3, 144-157.	0.3	6

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37	Sequential Monte Carlo Methods for State and Parameter Estimation in Abruptly Changing Environments. IEEE Transactions on Signal Processing, 2014, 62, 1245-1255.	3.2	64
38	Inference for reaction networks using the linear noise approximation. Biometrics, 2014, 70, 457-466.	0.8	65
39	Semi-automatic selection of summary statistics for ABC model choice. Statistical Applications in Genetics and Molecular Biology, 2014, 13, 67-82.	0.2	32
40	Bayesian Sequential Experimental Design for Binary Response Data with Application to Electromyographic Experiments. Bayesian Analysis, 2014, 9, .	1.6	6
41	Markov Chain Monte Carlo for Exact Inference for Diffusions. Scandinavian Journal of Statistics, 2013, 40, 294-321.	0.9	25
42	<i><scp>C</scp>ampylobacter jejuni</i> colonization and population structure in urban populations of ducks and starlings in <scp>N</scp> ew <scp>Z</scp> ealand. MicrobiologyOpen, 2013, 2, 659-673.	1.2	28
43	An Adaptive Sequential Monte Carlo Sampler. Bayesian Analysis, 2013, 8, .	1.6	37
44	Optimal Detection of Changepoints With a Linear Computational Cost. Journal of the American Statistical Association, 2012, 107, 1590-1598.	1.8	1,367
45	Estimating the Relative Roles of Recombination and Point Mutation in the Generation of Single Locus Variants in Campylobacter jejuni and Campylobacter coli. Journal of Molecular Evolution, 2012, 74, 273-280.	0.8	9
46	Constructing Summary Statistics for Approximate Bayesian Computation: Semi-Automatic Approximate Bayesian Computation. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2012, 74, 419-474.	1.1	378
47	Analysis of changepoint models. , 2011, , 205-224.		68
48	Comment on Article by Wyse et al Bayesian Analysis, 2011, 6, .	1.6	0
49	Efficient Bayesian analysis of multiple changepoint models withÂdependence across segments. Statistics and Computing, 2011, 21, 217-229.	0.8	25
50	On Estimating the Ability of NBA Players. Journal of Quantitative Analysis in Sports, 2011, 7, .	0.5	29
51	MCMC for State–Space Models. Chapman & Hall/CRC Interdisciplinary Statistics Series, 2011, , 513-530.	0.4	7
52	Whole-Genome Comparison of Two Campylobacter jejuni Isolates of the Same Sequence Type Reveals Multiple Loci of Different Ancestral Lineage. PLoS ONE, 2011, 6, e27121.	1.1	25
53	Spatio-temporal epidemiology of Campylobacter jejuni enteritis, in an area of Northwest England, 2000–2002. Epidemiology and Infection, 2010, 138, 1384-1390.	1.0	18
54	The Random Walk Metropolis: Linking Theory and Practice Through a Case Study. Statistical Science, 2010, 25, .	1.6	65

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55	Random-Weight Particle Filtering of Continuous Time Processes. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2010, 72, 497-512.	1.1	28
56	A sequential smoothing algorithm with linear computational cost. Biometrika, 2010, 97, 447-464.	1.3	88
57	Calculating Strength of Schedule, and Choosing Teams for March Madness. American Statistician, 2010, 64, 108-115.	0.9	7
58	Bayesian Analysis of Isochores. Journal of the American Statistical Association, 2009, 104, 132-141.	1.8	25
59	Rapid Evolution and the Importance of Recombination to the Gastroenteric Pathogen Campylobacter jejuni. Molecular Biology and Evolution, 2009, 26, 385-397.	3.5	160
60	Computational methods for complex stochastic systems: a review of some alternatives to MCMC. Statistics and Computing, 2008, 18, 151-171.	0.8	74
61	Editorial: Special issue on adaptive Monte Carlo methods. Statistics and Computing, 2008, 18, 341-342.	0.8	2
62	Particle Filters for Partially Observed Diffusions. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2008, 70, 755-777.	1.1	91
63	Tracing the Source of Campylobacteriosis. PLoS Genetics, 2008, 4, e1000203.	1.5	365
64	Postprocessing of Genealogical Trees. Genetics, 2007, 177, 347-358.	1.2	8
65	On the Choice of Genetic Distance in Spatial-Genetic Studies. Genetics, 2007, 177, 427-434.	1.2	2
66	Filtering Methods for Mixture Models. Journal of Computational and Graphical Statistics, 2007, 16, 586-607.	0.9	7
67	Genome-wide association study of prostate cancer identifies a second risk locus at 8q24. Nature Genetics, 2007, 39, 645-649.	9.4	1,059
68	On-Line Inference for Multiple Changepoint Problems. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2007, 69, 589-605.	1.1	185
69	Efficient Online Inference for Multiple Changepoint Problems. , 2006, , .		3
70	Perfect Simulation From Nonneutral Population Genetic Models: Variable Population Size and Population Subdivision. Genetics, 2006, 174, 1397-1406.	1.2	10
71	The stationary distribution of allele frequencies when selection acts at unlinked loci. Theoretical Population Biology, 2006, 70, 376-386.	0.5	11
72	Exact and computationally efficient likelihood-based estimation for discretely observed diffusion processes (with discussion). Journal of the Royal Statistical Society Series B: Statistical Methodology, 2006, 68, 333-382.	1.1	262

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73	An exact Gibbs sampler for the Markov-modulated Poisson process. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2006, 68, 767-784.	1.1	54
74	Exact and efficient Bayesian inference for multiple changepoint problems. Statistics and Computing, 2006, 16, 203-213.	0.8	313
75	SequenceLDhot: detecting recombination hotspots. Bioinformatics, 2006, 22, 3061-3066.	1.8	66
76	Spatial epidemiology and natural population structure of Campylobacter jejuni colonizing a farmland ecosystem. Environmental Microbiology, 2005, 7, 1116-1126.	1.8	128
77	Analysis of Recombination in Campylobacter jejuni from MLST Population Data. Journal of Molecular Evolution, 2005, 61, 333-340.	0.8	60
78	Direct simulation for discrete mixture distributions. Statistics and Computing, 2005, 15, 125-133.	0.8	11
79	Maximum-Likelihood Estimation of Coalescence Times in Genealogical Trees. Genetics, 2005, 171, 2073-2084.	1.2	8
80	A Comparison of Three Estimators of the Population-Scaled Recombination Rate: Accuracy and Robustness. Genetics, 2005, 171, 2051-2062.	1.2	38
81	Using Random Quasi-Monte-Carlo Within Particle Filters, With Application to Financial Time Series. Journal of Computational and Graphical Statistics, 2005, 14, 751-769.	0.9	26
82	A Novel Method with Improved Power To Detect Recombination Hotspots from Polymorphism Data Reveals Multiple Hotspots in Human Genes. American Journal of Human Genetics, 2005, 77, 781-794.	2.6	45
83	Exact Bayesian curve fitting and signal segmentation. IEEE Transactions on Signal Processing, 2005, 53, 2160-2166.	3.2	77
84	Application of Coalescent Methods to Reveal Fine-Scale Rate Variation and Recombination Hotspots. Genetics, 2004, 167, 2067-2081.	1.2	62
85	Exact filtering for partially observed continuous time models. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2004, 66, 771-789.	1.1	41
86	Particle filters for mixture models with an unknown number of components. Statistics and Computing, 2004, 14, 11-21.	0.8	71
87	Filtering recursions for calculating likelihoods for queues based on inter-departure time data. Statistics and Computing, 2004, 14, 261-266.	0.8	16
88	A Second-Order Approximation to the Log-Likelihood Surface for Mixture Models, With Application to the EM Algorithm. Journal of Computational and Graphical Statistics, 2004, 13, 739-750.	0.9	0
89	On-line inference for hidden Markov models via particle filters. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2003, 65, 887-899.	1.1	145
90	Ancestral processes for non-neutral models of complex diseases. Theoretical Population Biology, 2003, 63, 115-130.	0.5	14

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91	Consistency of estimators of the population-scaled recombination rate. Theoretical Population Biology, 2003, 64, 67-79.	0.5	35
92	Haplotypes: the joint distribution of alleles at linked loci. Journal of Applied Probability, 2003, 40, 505-512.	0.4	2
93	Haplotypes: the joint distribution of alleles at linked loci. Journal of Applied Probability, 2003, 40, 505-512.	0.4	3
94	The common ancestor at a nonneutral locus. Journal of Applied Probability, 2002, 39, 38-54.	0.4	21
95	The common ancestor at a nonneutral locus. Journal of Applied Probability, 2002, 39, 38-54.	0.4	28
96	Markov chain Monte Carlo, Sufficient Statistics, and Particle Filters. Journal of Computational and Graphical Statistics, 2002, 11, 848-862.	0.9	107
97	Approximate likelihood methods for estimating local recombination rates. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2002, 64, 657-680.	1.1	78
98	A Coalescent-Based Method for Detecting and Estimating Recombination From Gene Sequences. Genetics, 2002, 160, 1231-1241.	1.2	624
99	Markov Chain Monte Carlo, Sufficient Statistics, and Particle Filters. Journal of Computational and Graphical Statistics, 2002, 11, 848-862.	0.9	20
100	Perfect Simulation from Population Genetic Models with Selection. Theoretical Population Biology, 2001, 59, 263-279.	0.5	30
101	Estimating Recombination Rates From Population Genetic Data. Genetics, 2001, 159, 1299-1318.	1.2	272
102	Improved particle filter for nonlinear problems. IET Radar, Sonar & Navigation, 1999, 146, 2.	2.1	649