Antonietta Mira

List of Publications by Year
in descending order

67 papers	2,590 citations	516215 16 h-index	214527 47 g-index
77 all docs	77 docs citations	77 times ranked	2915 citing authors

#	Article	IF	Citations
1	DRAM: Efficient adaptive MCMC. Statistics and Computing, 2006, 16, 339-354.	0.8	1,198
2	Delayed rejection in reversible jump Metropolis-Hastings. Biometrika, 2001, 88, 1035-1053.	1.3	203
3	Some adaptive Monte Carlo methods for Bayesian inference. , 1999, 18, 2507-2515.		187
4	Adaptive Multiple Importance Sampling. Scandinavian Journal of Statistics, 2012, 39, 798-812.	0.9	148
5	Ordering and Improving the Performance of Monte Carlo Markov Chains. Statistical Science, 2001, 16, 340.	1.6	93
6	Efficiency and Convergence Properties of Slice Samplers. Scandinavian Journal of Statistics, 2002, 29, 1-12.	0.9	64
7	Social Network Modeling. Annual Review of Statistics and Its Application, 2018, 5, 343-369.	4.1	41
8	Distribution-free test for symmetry based on Bonferroni's measure. Journal of Applied Statistics, 1999, 26, 959-972.	0.6	38
9	Zero variance Markov chain Monte Carlo for Bayesian estimators. Statistics and Computing, 2013, 23, 653-662.	0.8	34
10	Efficient Bayes factor estimation from the reversible jump output. Biometrika, 2006, 93, 41-52.	1.3	32
11	Novel relocation methods for automatic external defibrillator improve out-of-hospital cardiac arrest coverage under limited resources. Resuscitation, 2018, 125, 83-89.	1.3	31
12	Real-life time and distance covered by lay first responders alerted by means of smartphone-application: Implications for early initiation of cardiopulmonary resuscitation and access to automatic external defibrillators. Resuscitation, 2019, 141, 182-187.	1.3	30
13	Efficient computational strategies for doubly intractable problems with applications to Bayesian social networks. Statistics and Computing, 2015, 25, 113-125.	0.8	25
14	Scientific output scales with resources. A comparison of US and European universities. PLoS ONE, 2019, 14, e0223415.	1.1	25
15	Complications of percutaneous nephrostomy in the treatment of malignant ureteral obstructions: single–centre review. Radiologia Medica, 2006, 111, 562-571.	4.7	20
16	ABCpy. , 2017, , .		20
17	Bayesian inference of spreading processes on networks. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2018, 474, 20180129.	1.0	20
18	Zero Variance Differential Geometric Markov Chain Monte Carlo Algorithms. Bayesian Analysis, 2014, 9, .	1.6	19

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19	Estimation of spatial econometric linear models with large datasets: How big can spatial Big Data be?. Regional Science and Urban Economics, 2019, 76, 67-73.	1.4	17
20	Data segmentation based on the local intrinsic dimension. Scientific Reports, 2020, 10, 16449.	1.6	17
21	Auxiliary Parameter MCMC for Exponential Random Graph Models. Journal of Statistical Physics, 2016, 165, 740-754.	0.5	16
22	Option market trading activity and the estimation of the pricing kernel: A Bayesian approach. Journal of Econometrics, 2020, 216, 430-449.	3.5	15
23	Hindsight is 2020 vision: a characterisation of the global response to the COVID-19 pandemic. BMC Public Health, 2020, 20, 1868.	1.2	15
24	Parallel hierarchical sampling: A general-purpose interacting Markov chains Monte Carlo algorithm. Computational Statistics and Data Analysis, 2012, 56, 1450-1467.	0.7	14
25	Fast Maximum Likelihood Estimation via Equilibrium Expectation for Large Network Data. Scientific Reports, 2018, 8, 11509.	1.6	14
26	The Stability of Factor Models of Interest Rates. Journal of Financial Econometrics, 2005, 3, 422-441.	0.8	13
27	Exploiting Multi-Core Architectures for Reduced-Variance Estimation with Intractable Likelihoods. Bayesian Analysis, 2016, 11, .	1.6	13
28	Bayesian calibration of force-fields from experimental data: TIP4P water. Journal of Chemical Physics, 2018, 149, 154110.	1.2	13
29	Semiparametric Multivariate and Multiple Change-Point Modeling. Bayesian Analysis, 2019, 14, .	1.6	13
30	Reinforced urn processes for credit risk models. Journal of Econometrics, 2015, 184, 1-12.	3.5	12
31	A Bayesian High-Frequency Estimator of the Multivariate Covariance of Noisy and Asynchronous Returns. Journal of Financial Econometrics, 2015, 13, 665-697.	0.8	10
32	Revealing three-dimensional quantum criticality by Sr substitution in Han purple. Physical Review Research, 2021, 3, .	1.3	10
33	A multivariate statistical approach to predict COVIDâ€19 count data with epidemiological interpretation and uncertainty quantification. Statistics in Medicine, 2021, 40, 5351-5372.	0.8	10
34	Flexible model selection for mechanistic network models. Journal of Complex Networks, 2020, 8, cnz024.	1.1	9
35	A Common Atoms Model for the Bayesian Nonparametric Analysis of Nested Data. Journal of the American Statistical Association, 2023, 118, 405-416.	1.8	9
36	A new strategy for speeding Markov chain Monte Carlo algorithms. Statistical Methods and Applications, 2003, 12, 49-60.	0.7	8

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37	Estimating a novel stochastic model for within-field disease dynamics of banana bunchy top virus via approximate Bayesian computation. PLoS Computational Biology, 2020, 16, e1007878.	1.5	8
38	Longitudinal Networks of Dyadic Relationships Using Latent Trajectories: Evidence from The European Interbank Market. Journal of the Royal Statistical Society Series C: Applied Statistics, 2020, 69, 711-739.	0.5	8
39	Delayed rejection variational Monte Carlo. Journal of Chemical Physics, 2004, 121, 3446-3451.	1.2	7
40	On the role of latent variable models in the era of big data. Statistics and Probability Letters, 2018, 136, 165-169.	0.4	7
41	Evaluating health facility access using Bayesian spatial models and location analysis methods. PLoS ONE, 2019, 14, e0218310.	1.1	7
42	ABCpy: A High-Performance Computing Perspective to Approximate Bayesian Computation. Journal of Statistical Software, 2021, 100, .	1.8	7
43	Framework for assessing and easing global COVID-19 travel restrictions. Scientific Reports, 2022, 12, 6985.	1.6	7
44	Efficiency of finite state space Monte Carlo Markov chains. Statistics and Probability Letters, 2001, 54, 405-411.	0.4	6
45	A Bayesian spatiotemporal statistical analysis of out‐of‐hospital cardiac arrests. Biometrical Journal, 2020, 62, 1105-1119.	0.6	6
46	MCMC Methods to Estimate Bayesian Parametric Models. Handbook of Statistics, 2005, 25, 415-436.	0.4	5
47	A Bayesian Semiparametric Multiplicative Error Model With an Application to Realized Volatility. Journal of Computational and Graphical Statistics, 2013, 22, 558-583.	0.9	5
48	Parameter Estimation of Platelets Deposition: Approximate Bayesian Computation With High Performance Computing. Frontiers in Physiology, 2018, 9, 1128.	1.3	5
49	Spatio-temporal prediction model of out-of-hospital cardiac arrest: Designation of medical priorities and estimation of human resources requirement. PLoS ONE, 2020, 15, e0238067.	1.1	4
50	Likelihood-Free Parameter Estimation for Dynamic Queueing Networks: Case Study of Passenger Flow in an International Airport Terminal. Journal of the Royal Statistical Society Series C: Applied Statistics, 2021, 70, 770-792.	0.5	4
51	The role of intrinsic dimension in high-resolution player tracking data—Insights in basketball. Annals of Applied Statistics, 2022, 16, .	0.5	4
52	Non-inferiority randomized trials, an issue between science and ethics: The case of the SYNTAX study. Scandinavian Cardiovascular Journal, 2010, 44, 321-324.	0.4	3
53	Adaptive Incremental Mixture Markov Chain Monte Carlo. Journal of Computational and Graphical Statistics, 2019, 28, 790-805.	0.9	3
54	Modelling Nonstationary Spatial Lag Models with Hidden Markov Random Fields. Spatial Statistics, 2021, 44, 100522.	0.9	3

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55	Personalized pathology test for Cardio-vascular disease: Approximate Bayesian computation with discriminative summary statistics learning. PLoS Computational Biology, 2022, 18, e1009910.	1.5	3
56	Stationarity preserving and efficiency increasing probability mass transfers made possible. Computational Statistics, 2006, 21, 509-522.	0.8	2
57	Robust identification of highly persistent interest rate regimes. International Journal of Approximate Reasoning, 2017, 83, 102-117.	1.9	2
58	Some optimal variance stopping problems revisited with an application to the Italian Ftse-Mib stock index. Sequential Analysis, 2018, 37, 90-101.	0.2	2
59	Discussion of the paper: â€œSampling schemes for generalized linear Dirichlet process random effects modelsâ€•by M. Kyung, J. Gill, and G. Casella. Statistical Methods and Applications, 2011, 20, 295-297.	0.7	1
60	Learning vs earning trade-off with missing or censored observations: The two-armed Bayesian nonparametric beta-Stacy bandit problem. Electronic Journal of Statistics, 2017, 11, .	0.4	1
61	Conditionally Gaussian random sequences for an integrated variance estimator with correlation between noise and returns. Applied Stochastic Models in Business and Industry, 2019, 35, 1282-1297.	0.9	1
62	A Bayesian semiparametric vector Multiplicative Error Model. Computational Statistics and Data Analysis, 2021, 161, 107242.	0.7	1
63	Understanding Dependency Patterns in Structural and Functional Brain Connectivity Through fMRI and DTI Data. Springer Proceedings in Mathematics and Statistics, 2018, , 1-22.	0.1	1
64	Comment on Article by Schmidl et al.. Bayesian Analysis, 2013, 8, .	1.6	0
65	The Keys of Predictability: A Comprehensive Study. SSRN Electronic Journal, 2019, , .	0.4	0
66	Reflections on Murray Aitkin's contributions to nonparametric mixture models and Bayes factors. Statistical Modelling, 2022, 22, 33-45.	0.5	0
67	Scientific Output of US and European Universities Scales Super-Linearly with Resources. SSRN Electronic Journal, 0, , .	0.4	0