Jean-Michel Marin

List of Publications by Year
in descending order

50 papers	5,356 citations	236833 25 h-index	243529 44 g-index
53 all docs	53 docs citations	53 times ranked	6363 citing authors

#	Article	IF	Citations
1	DIYABC v2.0: a software to make approximate Bayesian computation inferences about population history using single nucleotide polymorphism, DNA sequence and microsatellite data. Bioinformatics, 2014, 30, 1187-1189.	1.8	983
2	Inferring population history with<i>DIY ABC</i>: a user-friendly approach to approximate Bayesian computation. Bioinformatics, 2008, 24, 2713-2719.	1.8	616
3	Approximate Bayesian computational methods. Statistics and Computing, 2012, 22, 1167-1180.	0.8	464
4	Adaptive approximate Bayesian computation. Biometrika, 2009, 96, 983-990.	1.3	387
5	Unraveling cell type–specific and reprogrammable human replication origin signatures associated with G-quadruplex consensus motifs. Nature Structural and Molecular Biology, 2012, 19, 837-844.	3.6	361
6	Population Monte Carlo. Journal of Computational and Graphical Statistics, 2004, 13, 907-929.	0.9	309
7	Reliable ABC model choice via random forests. Bioinformatics, 2016, 32, 859-866.	1.8	272
8	Lack of confidence in approximate Bayesian computation model choice. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15112-15117.	3.3	265
9	Bayesian Modelling and Inference on Mixtures of Distributions. Handbook of Statistics, 2005, , 459-507.	0.4	212
10	Adaptive importance sampling in general mixture classes. Statistics and Computing, 2008, 18, 447-459.	0.8	179
11	Adaptive Multiple Importance Sampling. Scandinavian Journal of Statistics, 2012, 39, 798-812.	0.9	148
12	Deciphering the routes of invasion of <i>Drosophila suzukii</i> by means of ABC random forest. Molecular Biology and Evolution, 2017, 34, msx050.	3.5	132
13	ABC random forests for Bayesian parameter inference. Bioinformatics, 2019, 35, 1720-1728.	1.8	125
14	Estimation of demo–genetic model probabilities with Approximate Bayesian Computation using linear discriminant analysis on summary statistics. Molecular Ecology Resources, 2012, 12, 846-855.	2.2	87
15	Convergence of adaptive mixtures of importance sampling schemes. Annals of Statistics, 2007, 35, .	1.4	74
16	ABC likelihood-free methods for model choice in Gibbs random fields. Bayesian Analysis, 2009, 4, .	1.6	69
17	Relevant Statistics for Bayesian Model Choice. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2014, 76, 833-859.	1.1	67
18	Extending approximate Bayesian computation with supervised machine learning to infer demographic history from genetic polymorphisms using DIYABC Random Forest. Molecular Ecology Resources, 2021, 21, 2598-2613.	2.2	63

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19	Minimum variance importance sampling via Population Monte Carlo. ESAIM - Probability and Statistics, 2007, 11, 427-447.	0.2	57
20	Discounting and divergence of opinion. Journal of Economic Theory, 2010, 145, 830-859.	0.5	51
21	Bayesian Essentials with R. Springer Texts in Statistics, 2014, , .	3.8	45
22	Mean-field variational approximate Bayesian inference for latent variable models. Computational Statistics and Data Analysis, 2007, 52, 790-798.	0.7	36
23	A Bayesian Reassessment of Nearest-Neighbor Classification. Journal of the American Statistical Association, 2009, 104, 263-273.	1.8	31
24	Regularization in Regression: Comparing Bayesian and Frequentist Methods in a Poorly Informative Situation. Bayesian Analysis, 2012, 7, .	1.6	30
25	Iterated importance sampling in missing data problems. Computational Statistics and Data Analysis, 2006, 50, 3386-3404.	0.7	29
26	Online data processing: Comparison of Bayesian regularized particle filters. Electronic Journal of Statistics, 2009, 3, .	0.4	25
27	Confidence bands for Brownian motion and applications to Monte Carlo simulation. Statistics and Computing, 2007, 17, 1-10.	0.8	20
28	Are risk-averse agents more optimistic? A Bayesian estimation approach. Journal of Applied Econometrics, 2008, 23, 843-860.	1.3	20
29	On resolving the Savage–Dickey paradox. Electronic Journal of Statistics, 2010, 4, .	0.4	20
30	On some difficulties with a posterior probability approximation technique. Bayesian Analysis, 2008, 3, .	1.6	19
31	Bayesian Inference on Finite Mixtures of Distributions. Statistical Science and Interdisciplinary Research, 2009, , 165-202.	0.0	15
32	Maximin design on non hypercube domains and kernel interpolation. Statistics and Computing, 2012, 22, 703-712.	0.8	14
33	A young age of subspecific divergence in the desert locust inferred by ABC random forest. Molecular Ecology, 2020, 29, 4542-4558.	2.0	14
34	Invariant {HPD} credible sets and {MAP} estimators. Bayesian Analysis, 2007, 2, .	1.6	14
35	ABC methods for model choice in Gibbs random fields. Comptes Rendus Mathematique, 2009, 347, 205-210.	0.1	13
36	Linear Toeplitz covariance structure models with optimal estimators of variance components. Linear Algebra and Its Applications, 2002, 354, 195-212.	0.4	11

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37	Probing instructions for expression regulation in gene nucleotide compositions. PLoS Computational Biology, 2018, 14, e1005921.	1.5	11
38	Bayesian Inference on a Mixture Model With Spatial Dependence. Journal of Computational and Graphical Statistics, 2013, 22, 584-597.	0.9	10
39	Consistency of adaptive importance sampling and recycling schemes. Bernoulli, 2019, 25, .	0.7	8
40	Bounding rare event probabilities in computer experiments. Computational Statistics and Data Analysis, 2014, 80, 153-166.	0.7	7
41	OPTIMAL QUADRATIC UNBIASED ESTIMATION FOR MODELS WITH LINEAR TOEPLITZ COVARIANCE STRUCTURE. Statistics, 2003, 37, 85-99.	0.3	6
42	Likelihood-Free Model Choice. , 2018, , 153-178.		6
43	On variance stabilisation in Population Monte Carlo by double Rao-Blackwellisation. Computational Statistics and Data Analysis, 2010, 54, 698-710.	0.7	5
44	Computational Solutions for Bayesian Inference in Mixture Models. , 2019, , 73-96.		5
45	Selecting Models Focussing on the Modellerâ€™s Purpose. , 2008, , 337-348.		4
46	An empirical Bayes procedure for the selection of Gaussian graphical models. Statistics and Computing, 2012, 22, 1113-1123.	0.8	3
47	Application of ABC to Infer the Genetic History of Pygmy Hunter-Gatherer Populations from Western Central Africa. , 2018, , 541-567.		3
48	Hidden Gibbs random fields model selection using Block Likelihood Information Criterion. Stat, 2016, 5, 158-172.	0.3	2
49	Estimation of Variance Components for a Linear Toeplitz Model. Communications in Statistics - Theory and Methods, 2007, 36, 2273-2288.	0.6	0
50	Optimal parallelization of a sequential approximate Bayesian computation algorithm. , 2012, , .		0