

Jean-Michel Marin

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

5,356
citations

236612

25
h-index

243296

44
g-index

53
all docs

53
docs citations

53
times ranked

6363
citing authors

#	ARTICLE	IF	CITATIONS
1	Extending approximate Bayesian computation with supervised machine learning to infer demographic history from genetic polymorphisms using DIYABC Random Forest. <i>Molecular Ecology Resources</i> , 2021, 21, 2598-2613.	2.2	63
2	A young age of subspecific divergence in the desert locust inferred by ABC random forest. <i>Molecular Ecology</i> , 2020, 29, 4542-4558.	2.0	14
3	ABC random forests for Bayesian parameter inference. <i>Bioinformatics</i> , 2019, 35, 1720-1728.	1.8	125
4	Consistency of adaptive importance sampling and recycling schemes. <i>Bernoulli</i> , 2019, 25, .	0.7	8
5	Computational Solutions for Bayesian Inference in Mixture Models. , 2019, , 73-96.		5
6	Likelihood-Free Model Choice. , 2018, , 153-178.		6
7	Probing instructions for expression regulation in gene nucleotide compositions. <i>PLoS Computational Biology</i> , 2018, 14, e1005921.	1.5	11
8	Application of ABC to Infer the Genetic History of Pygmy Hunter-Gatherer Populations from Western Central Africa. , 2018, , 541-567.		3
9	Deciphering the routes of invasion of <i>Drosophila suzukii</i> by means of ABC random forest. <i>Molecular Biology and Evolution</i> , 2017, 34, msx050.	3.5	132
10	Hidden Gibbs random fields model selection using Block Likelihood Information Criterion. <i>Stat</i> , 2016, 5, 158-172.	0.3	2
11	Reliable ABC model choice via random forests. <i>Bioinformatics</i> , 2016, 32, 859-866.	1.8	272
12	DIYABC v2.0: a software to make approximate Bayesian computation inferences about population history using single nucleotide polymorphism, DNA sequence and microsatellite data. <i>Bioinformatics</i> , 2014, 30, 1187-1189.	1.8	983
13	Bayesian Essentials with R. Springer Texts in Statistics, 2014, , .	3.8	45
14	Relevant Statistics for Bayesian Model Choice. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2014, 76, 833-859.	1.1	67
15	Bounding rare event probabilities in computer experiments. <i>Computational Statistics and Data Analysis</i> , 2014, 80, 153-166.	0.7	7
16	Bayesian Inference on a Mixture Model With Spatial Dependence. <i>Journal of Computational and Graphical Statistics</i> , 2013, 22, 584-597.	0.9	10
17	Regularization in Regression: Comparing Bayesian and Frequentist Methods in a Poorly Informative Situation. <i>Bayesian Analysis</i> , 2012, 7, .	1.6	30
18	Approximate Bayesian computational methods. <i>Statistics and Computing</i> , 2012, 22, 1167-1180.	0.8	464

#	ARTICLE	IF	CITATIONS
19	Optimal parallelization of a sequential approximate Bayesian computation algorithm. , 2012, , .		0
20	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
21	Maximin design on non hypercube domains and kernel interpolation. Statistics and Computing, 2012, 22, 703-712.	0.8	14
22	An empirical Bayes procedure for the selection of Gaussian graphical models. Statistics and Computing, 2012, 22, 1113-1123.	0.8	3
23	Estimation of demographic genetic model probabilities with Approximate Bayesian Computation using linear discriminant analysis on summary statistics. Molecular Ecology Resources, 2012, 12, 846-855.	2.2	87
24	Adaptive Multiple Importance Sampling. Scandinavian Journal of Statistics, 2012, 39, 798-812.	0.9	148
25	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
26	On resolving the Savage-Dickey paradox. Electronic Journal of Statistics, 2010, 4, .	0.4	20
27	Discounting and divergence of opinion. Journal of Economic Theory, 2010, 145, 830-859.	0.5	51
28	On variance stabilisation in Population Monte Carlo by double Rao-Blackwellisation. Computational Statistics and Data Analysis, 2010, 54, 698-710.	0.7	5
29	A Bayesian Reassessment of Nearest-Neighbor Classification. Journal of the American Statistical Association, 2009, 104, 263-273.	1.8	31
30	ABC methods for model choice in Gibbs random fields. Comptes Rendus Mathematique, 2009, 347, 205-210.	0.1	13
31	Adaptive approximate Bayesian computation. Biometrika, 2009, 96, 983-990.	1.3	387
32	Online data processing: Comparison of Bayesian regularized particle filters. Electronic Journal of Statistics, 2009, 3, .	0.4	25
33	Bayesian Inference on Finite Mixtures of Distributions. Statistical Science and Interdisciplinary Research, 2009, , 165-202.	0.0	15
34	ABC likelihood-free methods for model choice in Gibbs random fields. Bayesian Analysis, 2009, 4, .	1.6	69
35	Adaptive importance sampling in general mixture classes. Statistics and Computing, 2008, 18, 447-459.	0.8	179
36	Are risk-averse agents more optimistic? A Bayesian estimation approach. Journal of Applied Econometrics, 2008, 23, 843-860.	1.3	20

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37	Inferring population history with <i>DIY ABC</i> : a user-friendly approach to approximate Bayesian computation. <i>Bioinformatics</i> , 2008, 24, 2713-2719.	1.8	616
38	Selecting Models Focussing on the Modeller's Purpose. , 2008, , 337-348.		4
39	On some difficulties with a posterior probability approximation technique. <i>Bayesian Analysis</i> , 2008, 3, .	1.6	19
40	Estimation of Variance Components for a Linear Toeplitz Model. <i>Communications in Statistics - Theory and Methods</i> , 2007, 36, 2273-2288.	0.6	0
41	Convergence of adaptive mixtures of importance sampling schemes. <i>Annals of Statistics</i> , 2007, 35, .	1.4	74
42	Minimum variance importance sampling via Population Monte Carlo. <i>ESAIM - Probability and Statistics</i> , 2007, 11, 427-447.	0.2	57
43	Mean-field variational approximate Bayesian inference for latent variable models. <i>Computational Statistics and Data Analysis</i> , 2007, 52, 790-798.	0.7	36
44	Confidence bands for Brownian motion and applications to Monte Carlo simulation. <i>Statistics and Computing</i> , 2007, 17, 1-10.	0.8	20
45	Invariant {HPD} credible sets and {MAP} estimators. <i>Bayesian Analysis</i> , 2007, 2, .	1.6	14
46	Iterated importance sampling in missing data problems. <i>Computational Statistics and Data Analysis</i> , 2006, 50, 3386-3404.	0.7	29
47	Bayesian Modelling and Inference on Mixtures of Distributions. <i>Handbook of Statistics</i> , 2005, , 459-507.	0.4	212
48	Population Monte Carlo. <i>Journal of Computational and Graphical Statistics</i> , 2004, 13, 907-929.	0.9	309
49	OPTIMAL QUADRATIC UNBIASED ESTIMATION FOR MODELS WITH LINEAR TOEPLITZ COVARIANCE STRUCTURE. <i>Statistics</i> , 2003, 37, 85-99.	0.3	6
50	Linear Toeplitz covariance structure models with optimal estimators of variance components. <i>Linear Algebra and Its Applications</i> , 2002, 354, 195-212.	0.4	11