Umberto Picchini

List of Publications by Year
in descending order

21 papers	**774** citations	759233 **12** h-index	752698 **20** g-index
22 all docs	**22** docs citations	**22** times ranked	**748** citing authors

#	Article	IF	Citations
1	Sequentially Guided MCMC Proposals for Synthetic Likelihoods and Correlated Synthetic Likelihoods. Bayesian Analysis, 2022, -1, .	3.0	0
2	Scalable and flexible inference framework for stochastic dynamic single-cell models. PLoS Computational Biology, 2022, 18, e1010082.	3.2	10
3	Efficient inference for stochastic differential equation mixed-effects models using correlated particle pseudo-marginal algorithms. Computational Statistics and Data Analysis, 2021, 157, 107151.	1.2	12
4	Bayesian inference for stochastic differential equation mixed effects models of a tumour xenography study. Journal of the Royal Statistical Society Series C: Applied Statistics, 2019, 68, 887-913.	1.0	12
5	Likelihood-free stochastic approximation EM for inference in complex models. Communications in Statistics Part B: Simulation and Computation, 2019, 48, 861-881.	1.2	1
6	Coupling stochastic EM and approximate Bayesian computation for parameter inference in state-space models. Computational Statistics, 2018, 33, 179-212.	1.5	8
7	Approximate maximum likelihood estimation using data-cloning ABC. Computational Statistics and Data Analysis, 2017, 105, 166-183.	1.2	9
8	Accelerating inference for diffusions observed with measurement error and large sample sizes using approximate Bayesian computation. Journal of Statistical Computation and Simulation, 2016, 86, 195-213.	1.2	9
9	Inference for SDE Models via Approximate Bayesian Computation. Journal of Computational and Graphical Statistics, 2014, 23, 1080-1100.	1.7	35
10	Practical estimation of high dimensional stochastic differential mixed-effects models. Computational Statistics and Data Analysis, 2011, 55, 1426-1444.	1.2	47
11	Stochastic Differential Mixed-Effects Models. Scandinavian Journal of Statistics, 2010, 37, 67-90.	1.4	49
12	A general approach to the apparent permeability index. Journal of Pharmacokinetics and Pharmacodynamics, 2008, 35, 235-248.	1.8	32
13	Maximum likelihood estimation of a time-inhomogeneous stochastic differential model of glucose dynamics. Mathematical Medicine and Biology, 2008, 25, 141-155.	1.2	19
14	Parameters of the Diffusion Leaky Integrate-and-Fire Neuronal Model for a Slowly Fluctuating Signal. Neural Computation, 2008, 20, 2696-2714.	2.2	20
15	Effects of levosimendan on right ventricular afterload in patients with acute respiratory distress syndrome: A pilot study*. Critical Care Medicine, 2006, 34, 2287-2293.	0.9	283
16	Modeling the euglycemic hyperinsulinemic clamp by stochastic differential equations. Journal of Mathematical Biology, 2006, 53, 771-796.	1.9	31
17	Prophylactic fenoldopam for renal protection in sepsis: A randomized, double-blind, placebo-controlled pilot trial*. Critical Care Medicine, 2005, 33, 2451-2456.	0.9	116
18	Terlipressin versus Norepinephrine to Counteract Anesthesia-induced Hypotension in Patients Treated with Renin-Angiotensin System Inhibitors: Effects on Systemic and Regional Hemodynamics. Anesthesiology, 2005, 102, 12-19.	2.5	49

#	Article	IF	Citations
19	Construction of predictive promoter models on the example of antibacterial response of human epithelial cells. Theoretical Biology and Medical Modelling, 2005, 2, 2.	2.1	8
20	A mathematical model of the euglycemic hyperinsulinemic clamp. Theoretical Biology and Medical Modelling, 2005, 2, 44.	2.1	22
21	Modeling Serum Creatinine in Septic ICU Patients. Cardiovascular Engineering (Dordrecht,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.0	1