

# Umberto Picchini

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2745724/publications.pdf>

Version: 2024-02-01

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	Effects of levosimendan on right ventricular afterload in patients with acute respiratory distress syndrome: A pilot study*. <i>Critical Care Medicine</i> , 2006, 34, 2287-2293.	0.9	283
2	Prophylactic fenoldopam for renal protection in sepsis: A randomized, double-blind, placebo-controlled pilot trial*. <i>Critical Care Medicine</i> , 2005, 33, 2451-2456.	0.9	116
3	Terlipressin versus Norepinephrine to Counteract Anesthesia-induced Hypotension in Patients Treated with Renin-Angiotensin System Inhibitors: Effects on Systemic and Regional Hemodynamics. <i>Anesthesiology</i> , 2005, 102, 12-19.	2.5	49
4	Stochastic Differential Mixed-Effects Models. <i>Scandinavian Journal of Statistics</i> , 2010, 37, 67-90.	1.4	49
5	Practical estimation of high dimensional stochastic differential mixed-effects models. <i>Computational Statistics and Data Analysis</i> , 2011, 55, 1426-1444.	1.2	47
6	Inference for SDE Models via Approximate Bayesian Computation. <i>Journal of Computational and Graphical Statistics</i> , 2014, 23, 1080-1100.	1.7	35
7	A general approach to the apparent permeability index. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2008, 35, 235-248.	1.8	32
8	Modeling the euglycemic hyperinsulinemic clamp by stochastic differential equations. <i>Journal of Mathematical Biology</i> , 2006, 53, 771-796.	1.9	31
9	A mathematical model of the euglycemic hyperinsulinemic clamp. <i>Theoretical Biology and Medical Modelling</i> , 2005, 2, 44.	2.1	22
10	Parameters of the Diffusion Leaky Integrate-and-Fire Neuronal Model for a Slowly Fluctuating Signal. <i>Neural Computation</i> , 2008, 20, 2696-2714.	2.2	20
11	Maximum likelihood estimation of a time-inhomogeneous stochastic differential model of glucose dynamics. <i>Mathematical Medicine and Biology</i> , 2008, 25, 141-155.	1.2	19
12	Bayesian inference for stochastic differential equation mixed effects models of a tumour xenography study. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2019, 68, 887-913.	1.0	12
13	Efficient inference for stochastic differential equation mixed-effects models using correlated particle pseudo-marginal algorithms. <i>Computational Statistics and Data Analysis</i> , 2021, 157, 107151.	1.2	12
14	Scalable and flexible inference framework for stochastic dynamic single-cell models. <i>PLoS Computational Biology</i> , 2022, 18, e1010082.	3.2	10
15	Accelerating inference for diffusions observed with measurement error and large sample sizes using approximate Bayesian computation. <i>Journal of Statistical Computation and Simulation</i> , 2016, 86, 195-213.	1.2	9
16	Approximate maximum likelihood estimation using data-cloning ABC. <i>Computational Statistics and Data Analysis</i> , 2017, 105, 166-183.	1.2	9
17	Construction of predictive promoter models on the example of antibacterial response of human epithelial cells. <i>Theoretical Biology and Medical Modelling</i> , 2005, 2, 2.	2.1	8
18	Coupling stochastic EM and approximate Bayesian computation for parameter inference in state-space models. <i>Computational Statistics</i> , 2018, 33, 179-212.	1.5	8

#	ARTICLE	IF	CITATIONS
19	Modeling Serum Creatinine in Septic ICU Patients. Cardiovascular Engineering (Dordrecht,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5	1.0	1
20	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
21	Sequentially Guided MCMC Proposals for Synthetic Likelihoods and Correlated Synthetic Likelihoods. Bayesian Analysis, 2022, -1, .	3.0	0