

Manfred Opper

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8548958/publications.pdf>

Version: 2024-02-01

21
papers

427
citations

1163117

8
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

393
citing authors

#	ARTICLE	IF	CITATIONS
1	Variational Bayesian Inference for Nonlinear Hawkes Process with Gaussian Process Self-Effects. Entropy, 2022, 24, 356.	2.2	4
2	GP-ETAS: semiparametric Bayesian inference for the spatio-temporal epidemic type aftershock sequence model. Statistics and Computing, 2022, 32, 1.	1.5	7
3	Exact solution to the random sequential dynamics of a message passing algorithm. Physical Review E, 2021, 103, L030101.	2.1	1
4	Flexible and Efficient Inference with Particles for the Variational Gaussian Approximation. Entropy, 2021, 23, 990.	2.2	3
5	Interacting Particle Solutions of Fokker-Planck Equations Through Gradient-Log-Density Estimation. Entropy, 2020, 22, 802.	2.2	7
6	A mathematical model of local and global attention in natural scene viewing. PLoS Computational Biology, 2020, 16, e1007880.	3.2	10
7	Memory-free dynamics for the Thouless-Anderson-Palmer equations of Ising models with arbitrary rotation-invariant ensembles of random coupling matrices. Physical Review E, 2019, 99, 062140.	2.1	13
8	Variational Inference for Stochastic Differential Equations. Annalen Der Physik, 2019, 531, 1800233.	2.4	12
9	Approximate Bayes learning of stochastic differential equations. Physical Review E, 2018, 98, 022109.	2.1	19
10	Optimal Decoding of Dynamic Stimuli by Heterogeneous Populations of Spiking Neurons: A Closed-Form Approximation. Neural Computation, 2018, 30, 2056-2112.	2.2	2
11	Optimal encoding and decoding for point process observations: An approximate closed-form filter. , 2016, , .		0
12	Variational estimation of the drift for stochastic differential equations from the empirical density. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 083404.	2.3	12
13	Visualizing the effects of a changing distance on data using continuous embeddings. Computational Statistics and Data Analysis, 2016, 104, 51-65.	1.2	1
14	Expectation propagation for continuous time stochastic processes. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 494002.	2.1	8
15	Variational mean-field algorithm for efficient inference in large systems of stochastic differential equations. Physical Review E, 2015, 91, 012148.	2.1	15
16	Dynamic state estimation based on Poisson spike trains-towards a theory of optimal encoding. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P03009.	2.3	4
17	Optimal control as a graphical model inference problem. Machine Learning, 2012, 87, 159-182.	5.4	165
18	Variational Markov chain Monte Carlo for Bayesian smoothing of non-linear diffusions. Computational Statistics, 2012, 27, 149-176.	1.5	6

#	ARTICLE	IF	CITATIONS
19	Estimating parameters in stochastic systems: A variational Bayesian approach. <i>Physica D: Nonlinear Phenomena</i> , 2011, 240, 1877-1900.	2.8	14
20	A Comparison of Variational and Markov Chain Monte Carlo Methods for Inference in Partially Observed Stochastic Dynamic Systems. <i>Journal of Signal Processing Systems</i> , 2010, 61, 51-59.	2.1	5
21	The Variational Gaussian Approximation Revisited. <i>Neural Computation</i> , 2009, 21, 786-792.	2.2	119