Maurizio Filippone

List of Publications by Year
in descending order

48 papers	1,886 citations	516710 16 h-index	377865 34 g-index
49 all docs	49 docs citations	49 times ranked	2192 citing authors

#	Article	IF	Citations
1	Deep Compositional Spatial Models. Journal of the American Statistical Association, 2022, 117, 1787-1808.	3.1	16
2	Assessing Bayesian Semiâ€Parametric Logâ€Linear Models: An Application to Disclosure Risk Estimation. International Statistical Review, 2022, 90, 165-183.	1.9	0
3	A comparative evaluation of novelty detection algorithms for discrete sequences. Artificial Intelligence Review, 2020, 53, 3787-3812.	15.7	12
4	Exact gaussian process regression with distributed computations. , 2019, , .		10
5	Probabilistic disease progression modeling to characterize diagnostic uncertainty: Application to staging and prediction in Alzheimer's disease. NeuroImage, 2019, 190, 56-68.	4.2	80
6	Statistical inference in mechanistic models: time warping for improved gradient matching. Computational Statistics, 2018, 33, 1091-1123.	1.5	1
7	A comparative evaluation of outlier detection algorithms: Experiments and analyses. Pattern Recognition, 2018, 74, 406-421.	8.1	311
8	Team Deep Neural Networks for Interference Channels. , 2018, , .		32
9	Deep Gaussian Process autoencoders for novelty detection. Machine Learning, 2018, 107, 1363-1383.	5.4	10
10	Adaptive multiple importance sampling for Gaussian processes. Journal of Statistical Computation and Simulation, 2017, 87, 1644-1665.	1.2	3
11	Inference in a Partial Differential Equations Model of Pulmonary Arterial and Venous Blood Circulation Using Statistical Emulation. Lecture Notes in Computer Science, 2017, , 184-198.	1.3	4
12	Mini-batch spectral clustering. , 2017, , .		13
13	Entropic Trace Estimates for Log Determinants. Lecture Notes in Computer Science, 2017, , 323-338.	1.3	5
14	Parameter Inference in Differential Equation Models of Biopathways Using Time Warped Gradient Matching. Lecture Notes in Computer Science, 2017, , 145-159.	1.3	0
15	Looking Good With Flickr Faves. , 2016, , .		6
16	Decoding post-stroke motor function from structural brain imaging. NeuroImage: Clinical, 2016, 12, 372-380.	2.7	84
17	Approximate parameter inference in systems biology using gradient matching: a comparative evaluation. BioMedical Engineering OnLine, 2016, 15, 80.	2.7	5
18	Bayesian nonparametric disclosure risk estimation via mixed effects log-linear models. Annals of Applied Statistics, 2015, 9, .	1.1	8

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19	Monte Carlo Strength Evaluation. , 2015, , .		44
20	On User Availability Prediction and Network Applications. IEEE/ACM Transactions on Networking, 2015, 23, 1300-1313.	3.8	3
21	Pseudo-Marginal Bayesian Inference for Gaussian Processes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 2214-2226.	13.9	35
22	Bayesian Inference for Gaussian Process Classifiers with Annealing and Pseudo-Marginal MCMC. , 2014, , .		4
23	Pseudo-Marginal Bayesian Multiple-Class Multiple-Kernel Learning for Neuroimaging Data. , 2014, , .		0
24	Predicting Continuous Conflict Perceptionwith Bayesian Gaussian Processes. IEEE Transactions on Affective Computing, 2014, 5, 187-200.	8.3	29
25	A comparative evaluation of stochastic-based inference methods for Gaussian process models. Machine Learning, 2013, 93, 93-114.	5.4	34
26	Aggregation Algorithm Towards Large-Scale Boolean Network Analysis. IEEE Transactions on Automatic Control, 2013, 58, 1976-1985.	5.7	132
27	Automated, High Accuracy Classification of Parkinsonian Disorders: A Pattern Recognition Approach. PLoS ONE, 2013, 8, e69237.	2.5	39
28	Towards Causal Modeling of Human Behavior. Smart Innovation, Systems and Technologies, 2013, , 337-344.	0.6	0
29	Predicting the conflict level in television political debates. , 2012, , .		20
30	From speech to personality. , 2012, , .		18
31	Probabilistic prediction of neurological disorders with a statistical assessment of neuroimaging data modalities. Annals of Applied Statistics, 2012, 6, 1883-1905.	1.1	32
32	Population MCMC methods for history matching and uncertainty quantification. Computational Geosciences, 2012, 16, 423-436.	2.4	25
33	A Perturbative Approach to Novelty Detection in Autoregressive Models. IEEE Transactions on Signal Processing, 2011, 59, 1027-1036.	5.3	7
34	Simulated annealing for supervised gene selection. Soft Computing, 2011, 15, 1471-1482.	3.6	7
35	Discussion of the paper: â€œSampling schemes for generalized linear Dirichlet process random effects modelsâ€•by M. Kyung, J. Gill, and G. Casella. Statistical Methods and Applications, 2011, 20, 295-297.	1.2	1
36	Approximate inference of the bandwidth in multivariate kernel density estimation. Computational Statistics and Data Analysis, 2011, 55, 3104-3122.	1.2	18

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37	Information theoretic novelty detection. Pattern Recognition, 2010, 43, 805-814.	8.1	38
38	Applying the Possibilistic c-Means Algorithm in Kernel-Induced Spaces. IEEE Transactions on Fuzzy Systems, 2010, 18, 572-584.	9.8	34
39	Soft ranking in clustering. Neurocomputing, 2009, 72, 2028-2031.	5.9	0
40	A comparative evaluation of nonlinear dynamics methods for time series prediction. Neural Computing and Applications, 2009, 18, 1021-1029.	5.6	26
41	Dealing with non-metric dissimilarities in fuzzy central clustering algorithms. International Journal of Approximate Reasoning, 2009, 50, 363-384.	3.3	27
42	Clustering in the membership embedding space. International Journal of Knowledge Engineering and Soft Data Paradigms, 2009, 1, 363.	0.0	3
43	Stability and Performances in Biclustering Algorithms. Lecture Notes in Computer Science, 2009, , 91-101.	1.3	6
44	A survey of kernel and spectral methods for clustering. Pattern Recognition, 2008, 41, 176-190.	8.1	671
45	Detecting Suspicious Behavior in Surveillance Images. , 2008, , .		7
46	Possibilistic Clustering in Feature Space. Lecture Notes in Computer Science, 2007, , 219-226.	1.3	1
47	Possibilistic Approach to Biclustering: An Application to Oligonucleotide Microarray Data Analysis. Lecture Notes in Computer Science, 2006, , 312-322.	1.3	18
48	Unsupervised Gene Selection and Clustering Using Simulated Annealing. Lecture Notes in Computer Science, 2006, , 229-235.	1.3	7