

Maurizio Filippone

List of Publications by Year in descending order

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Version: 2024-02-01

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 | A survey of kernel and spectral methods for clustering. Pattern Recognition, 2008, 41, 176-190. | 8.1 | 671 |
| 2 | A comparative evaluation of outlier detection algorithms: Experiments and analyses. Pattern Recognition, 2018, 74, 406-421. | 8.1 | 311 |
| 3 | Aggregation Algorithm Towards Large-Scale Boolean Network Analysis. IEEE Transactions on Automatic Control, 2013, 58, 1976-1985. | 5.7 | 132 |
| 4 | Decoding post-stroke motor function from structural brain imaging. NeuroImage: Clinical, 2016, 12, 372-380. | 2.7 | 84 |
| 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 | Monte Carlo Strength Evaluation. , 2015, , . | | 44 |
| 7 | Automated, High Accuracy Classification of Parkinsonian Disorders: A Pattern Recognition Approach. PLoS ONE, 2013, 8, e69237. | 2.5 | 39 |
| 8 | Information theoretic novelty detection. Pattern Recognition, 2010, 43, 805-814. | 8.1 | 38 |
| 9 | Pseudo-Marginal Bayesian Inference for Gaussian Processes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 2214-2226. | 13.9 | 35 |
| 10 | Applying the Possibilistic c-Means Algorithm in Kernel-Induced Spaces. IEEE Transactions on Fuzzy Systems, 2010, 18, 572-584. | 9.8 | 34 |
| 11 | A comparative evaluation of stochastic-based inference methods for Gaussian process models. Machine Learning, 2013, 93, 93-114. | 5.4 | 34 |
| 12 | Probabilistic prediction of neurological disorders with a statistical assessment of neuroimaging data modalities. Annals of Applied Statistics, 2012, 6, 1883-1905. | 1.1 | 32 |
| 13 | Team Deep Neural Networks for Interference Channels. , 2018, , . | | 32 |
| 14 | Predicting Continuous Conflict Perception with Bayesian Gaussian Processes. IEEE Transactions on Affective Computing, 2014, 5, 187-200. | 8.3 | 29 |
| 15 | Dealing with non-metric dissimilarities in fuzzy central clustering algorithms. International Journal of Approximate Reasoning, 2009, 50, 363-384. | 3.3 | 27 |
| 16 | A comparative evaluation of nonlinear dynamics methods for time series prediction. Neural Computing and Applications, 2009, 18, 1021-1029. | 5.6 | 26 |
| 17 | Population MCMC methods for history matching and uncertainty quantification. Computational Geosciences, 2012, 16, 423-436. | 2.4 | 25 |
| 18 | Predicting the conflict level in television political debates. , 2012, , . | | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Possibilistic Approach to Biclustering: An Application to Oligonucleotide Microarray Data Analysis. Lecture Notes in Computer Science, 2006, , 312-322. | 1.3 | 18 |
| 20 | Approximate inference of the bandwidth in multivariate kernel density estimation. Computational Statistics and Data Analysis, 2011, 55, 3104-3122. | 1.2 | 18 |
| 21 | From speech to personality. , 2012, , . | | 18 |
| 22 | Deep Compositional Spatial Models. Journal of the American Statistical Association, 2022, 117, 1787-1808. | 3.1 | 16 |
| 23 | Mini-batch spectral clustering. , 2017, , . | | 13 |
| 24 | A comparative evaluation of novelty detection algorithms for discrete sequences. Artificial Intelligence Review, 2020, 53, 3787-3812. | 15.7 | 12 |
| 25 | Deep Gaussian Process autoencoders for novelty detection. Machine Learning, 2018, 107, 1363-1383. | 5.4 | 10 |
| 26 | Exact gaussian process regression with distributed computations. , 2019, , . | | 10 |
| 27 | Bayesian nonparametric disclosure risk estimation via mixed effects log-linear models. Annals of Applied Statistics, 2015, 9, . | 1.1 | 8 |
| 28 | Detecting Suspicious Behavior in Surveillance Images. , 2008, , . | | 7 |
| 29 | A Perturbative Approach to Novelty Detection in Autoregressive Models. IEEE Transactions on Signal Processing, 2011, 59, 1027-1036. | 5.3 | 7 |
| 30 | Simulated annealing for supervised gene selection. Soft Computing, 2011, 15, 1471-1482. | 3.6 | 7 |
| 31 | Unsupervised Gene Selection and Clustering Using Simulated Annealing. Lecture Notes in Computer Science, 2006, , 229-235. | 1.3 | 7 |
| 32 | Looking Good With Flickr Faves. , 2016, , . | | 6 |
| 33 | Stability and Performances in Biclustering Algorithms. Lecture Notes in Computer Science, 2009, , 91-101. | 1.3 | 6 |
| 34 | Approximate parameter inference in systems biology using gradient matching: a comparative evaluation. BioMedical Engineering OnLine, 2016, 15, 80. | 2.7 | 5 |
| 35 | Entropic Trace Estimates for Log Determinants. Lecture Notes in Computer Science, 2017, , 323-338. | 1.3 | 5 |
| 36 | Bayesian Inference for Gaussian Process Classifiers with Annealing and Pseudo-Marginal MCMC. , 2014, , . | | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | 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 |
| 38 | Clustering in the membership embedding space. International Journal of Knowledge Engineering and Soft Data Paradigms, 2009, 1, 363. | 0.0 | 3 |
| 39 | On User Availability Prediction and Network Applications. IEEE/ACM Transactions on Networking, 2015, 23, 1300-1313. | 3.8 | 3 |
| 40 | Adaptive multiple importance sampling for Gaussian processes. Journal of Statistical Computation and Simulation, 2017, 87, 1644-1665. | 1.2 | 3 |
| 41 | Discussion of the paper: "Sampling schemes for generalized linear Dirichlet process random effects models" by M. Kyung, J. Gill, and G. Casella. Statistical Methods and Applications, 2011, 20, 295-297. | 1.2 | 1 |
| 42 | Statistical inference in mechanistic models: time warping for improved gradient matching. Computational Statistics, 2018, 33, 1091-1123. | 1.5 | 1 |
| 43 | Possibilistic Clustering in Feature Space. Lecture Notes in Computer Science, 2007, , 219-226. | 1.3 | 1 |
| 44 | Soft ranking in clustering. Neurocomputing, 2009, 72, 2028-2031. | 5.9 | 0 |
| 45 | Pseudo-Marginal Bayesian Multiple-Class Multiple-Kernel Learning for Neuroimaging Data. , 2014, , . | | 0 |
| 46 | Assessing Bayesian Semi-Parametric Log-Linear Models: An Application to Disclosure Risk Estimation. International Statistical Review, 2022, 90, 165-183. | 1.9 | 0 |
| 47 | Towards Causal Modeling of Human Behavior. Smart Innovation, Systems and Technologies, 2013, , 337-344. | 0.6 | 0 |
| 48 | Parameter Inference in Differential Equation Models of Biopathways Using Time Warped Gradient Matching. Lecture Notes in Computer Science, 2017, , 145-159. | 1.3 | 0 |