

Afif Masmoudi

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

393
citations

1040056

9
h-index

888059

17
g-index

53
all docs

53
docs citations

53
times ranked

265
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Integrating the EM algorithm with particle filter for image restoration with exponential dispersion noise. <i>Communications in Statistics - Theory and Methods</i> , 2023, 52, 446-462. | 1.0 | 2 |
| 2 | Semi-Parametric Estimation Using Bernstein Polynomial and a Finite Gaussian Mixture Model. <i>Entropy</i> , 2022, 24, 315. | 2.2 | 2 |
| 3 | Semiparametric Bayesian networks for continuous data. <i>Communications in Statistics - Theory and Methods</i> , 2021, 50, 5974-5996. | 1.0 | 4 |
| 4 | On Poisson-exponential-Tweedie models for ultra-overdispersed count data. <i>AStA Advances in Statistical Analysis</i> , 2021, 105, 1-23. | 0.9 | 8 |
| 5 | A SIR-Poisson Model for COVID-19: Evolution and Transmission Inference in the Maghreb Central Regions. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 93-102. | 3.0 | 20 |
| 6 | Characterization of generalized Gamma-Lindley distribution using truncated moments of order statistics. <i>Mathematica Slovaca</i> , 2021, 71, 455-474. | 0.6 | 3 |
| 7 | The normal tempered stable regression model. <i>Communications in Statistics - Theory and Methods</i> , 2020, 49, 500-512. | 1.0 | 3 |
| 8 | Geometric Tweedie regression models for continuous and semicontinuous data with variation phenomenon. <i>AStA Advances in Statistical Analysis</i> , 2020, 104, 33-58. | 0.9 | 8 |
| 9 | Characteristic study of some parameters of soil irrigated by magnetized waters. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1. | 1.3 | 6 |
| 10 | Model selection in biological networks using a graphical EM algorithm. <i>Neurocomputing</i> , 2019, 349, 271-280. | 5.9 | 5 |
| 11 | Credit risk modeling using Bayesian network with a latent variable. <i>Expert Systems With Applications</i> , 2019, 127, 157-166. | 7.6 | 54 |
| 12 | A new class of continuous Bayesian networks. <i>International Journal of Approximate Reasoning</i> , 2019, 109, 125-138. | 3.3 | 7 |
| 13 | Geometric dispersion models with real quadratic v-functions. <i>Statistics and Probability Letters</i> , 2019, 145, 197-204. | 0.7 | 8 |
| 14 | An EM algorithm for singular Gaussian mixture models. <i>Filomat</i> , 2019, 33, 4753-4767. | 0.5 | 2 |
| 15 | Singular Gaussian graphical models: Structure learning. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2018, 47, 3106-3117. | 1.2 | 2 |
| 16 | Generalized Variance Functions for Infinitely Divisible Mixture Distributions. <i>Mediterranean Journal of Mathematics</i> , 2018, 15, 1. | 0.8 | 4 |
| 17 | Asymptotic properties of the estimator for a finite mixture of exponential dispersion models. <i>Filomat</i> , 2018, 32, 6575-6598. | 0.5 | 8 |
| 18 | Characterization of multivariate stable processes. <i>Lithuanian Mathematical Journal</i> , 2017, 57, 59-68. | 0.4 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Tweedie regression model: a proposed statistical approach for modelling indoor signal path loss. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2017, 30, e2243. | 1.9 | 5 |
| 20 | Maximum likelihood estimator of the scale parameter for the Riesz distribution. Statistics and Probability Letters, 2017, 126, 127-131. | 0.7 | 4 |
| 21 | Bayesian Network Modeling: A Case Study of Credit Scoring Analysis of Consumer Loans Default Payment. Asian Economic and Financial Review, 2017, 7, 846-857. | 0.7 | 7 |
| 22 | A finite mixture model of geometric distributions for lossless image compression. Signal, Image and Video Processing, 2016, 10, 671-678. | 2.7 | 4 |
| 23 | A New Semiparametric Finite Mixture Model-Based Adaptive Arithmetic Coding for Lossless Image Compression. Circuits, Systems, and Signal Processing, 2016, 35, 1163-1186. | 2.0 | 4 |
| 24 | Multivariate Normal $\hat{\mu}$ -Stable Exponential Families. Mediterranean Journal of Mathematics, 2016, 13, 1307-1323. | 0.8 | 6 |
| 25 | A New Equilibrium Criterion for Learning the Cardinality of Latent Variables. , 2015, , . | | 4 |
| 26 | Reducing the Structure Space of Bayesian Classifiers Using Some General Algorithms. Mathematical Modelling and Algorithms, 2015, 14, 197-237. | 0.5 | 0 |
| 27 | An improved lossless image compression based arithmetic coding using mixture of non-parametric distributions. Multimedia Tools and Applications, 2015, 74, 10605-10619. | 3.9 | 19 |
| 28 | Moment for the inverse Riesz distributions. Statistics and Probability Letters, 2015, 102, 30-37. | 0.7 | 8 |
| 29 | Trace of the Variance-Covariance Matrix in Natural Exponential Families. Communications in Statistics - Theory and Methods, 2015, 44, 1241-1254. | 1.0 | 1 |
| 30 | Structure space of Bayesian networks is dramatically reduced by subdividing it in sub-networks. Journal of Computational and Applied Mathematics, 2015, 287, 48-62. | 2.0 | 11 |
| 31 | Characteristic property of a class of multivariate variance functions. Lithuanian Mathematical Journal, 2015, 55, 506-517. | 0.4 | 1 |
| 32 | A new arithmetic coding model for a block-based lossless image compression based on exploiting inter-block correlation. Signal, Image and Video Processing, 2015, 9, 1021-1027. | 2.7 | 20 |
| 33 | An efficient adaptive arithmetic coding for block-based lossless image compression using mixture models. , 2014, , . | | 4 |
| 34 | Implicit parameter estimation for conditional Gaussian Bayesian networks. International Journal of Computational Intelligence Systems, 2014, 7, 6-17. | 2.7 | 1 |
| 35 | Implicit Estimation for the Stochastic Volatility Model. Communications in Statistics - Theory and Methods, 2014, 43, 1061-1076. | 1.0 | 0 |
| 36 | Discrete exponential Bayesian networks: Definition, learning and application for density estimation. Neurocomputing, 2014, 137, 142-149. | 5.9 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | A Compound Poisson Model for Learning Discrete Bayesian Networks. Acta Mathematica Scientia, 2013, 33, 1767-1784. | 1.0 | 7 |
| 38 | Parameter estimation of the diagonal of the modified riesz distribution. , 2013, , . | | 1 |
| 39 | On the Mongeâ€™re equation for characterizing gamma-Gaussian model. Statistics and Probability Letters, 2013, 83, 1692-1698. | 0.7 | 8 |
| 40 | An Unsupervised Image Segmentation Using B-Splines Functions. , 2012, , . | | 0 |
| 41 | Discrete Exponential Bayesian Networks Structure Learning for Density Estimation. Communications in Computer and Information Science, 2012, , 146-151. | 0.5 | 1 |
| 42 | A New Learning Structure Heuristic of Bayesian Networks from Data. Lecture Notes in Computer Science, 2012, , 183-197. | 1.3 | 3 |
| 43 | Discrete Exponential Bayesian Networks: An Extension of Bayesian Networks to Discrete Natural Exponential Families. , 2011, , . | | 5 |
| 44 | Characterization of multinomial exponential families by generalized variance. Statistics and Probability Letters, 2010, 80, 939-944. | 0.7 | 7 |
| 45 | Improving algorithms for structure learning in Bayesian Networks using a new implicit score. Expert Systems With Applications, 2010, 37, 5470-5475. | 7.6 | 49 |
| 46 | Learning Structure and Parameters in Bayesian Networks Using an Implicit Framework. , 2010, , . | | 0 |
| 47 | Inference in Signal Transduction Pathways Using EM Algorithm and an Implicit Algorithm: Incomplete Data Case. Journal of Computational Biology, 2009, 16, 1227-1240. | 1.6 | 8 |
| 48 | Causal inference in biomolecular pathways using a Bayesian network approach and an Implicit method. Journal of Theoretical Biology, 2008, 253, 717-724. | 1.7 | 18 |
| 49 | Conditional natural exponential families. Statistics and Probability Letters, 2006, 76, 1882-1888. | 0.7 | 5 |
| 50 | A characterization of Poisson-Gaussian families by generalized variance. Bernoulli, 2006, 12, . | 1.3 | 11 |
| 51 | Implicit Distributions and Estimation. Communications in Statistics - Theory and Methods, 2005, 34, 245-252. | 1.0 | 3 |
| 52 | Implicit Distributions and Estimation. Communications in Statistics - Theory and Methods, 2005, 34, 245-252. | 1.0 | 9 |
| 53 | On the consistency of Bayes estimates for the infinite continuous mixture of Dirichlet distributions. , 0, , . | 1.0 | 0 |