

# Afif Masmoudi

## List of Publications by Year in descending order

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53  
papers

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citations

1040056

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h-index

888059

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g-index

53  
all docs

53  
docs citations

53  
times ranked

265  
citing authors

#	ARTICLE	IF	CITATIONS
1	Credit risk modeling using Bayesian network with a latent variable. Expert Systems With Applications, 2019, 127, 157-166.	7.6	54
2	Improving algorithms for structure learning in Bayesian Networks using a new implicit score. Expert Systems With Applications, 2010, 37, 5470-5475.	7.6	49
3	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
4	A SIR-Poisson Model for COVID-19: Evolution and Transmission Inference in the Maghreb Central Regions. Arabian Journal for Science and Engineering, 2021, 46, 93-102.	3.0	20
5	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
6	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
7	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
8	A characterization of Poisson-Gaussian families by generalized variance. Bernoulli, 2006, 12, .	1.3	11
9	Implicit Distributions and Estimation. Communications in Statistics - Theory and Methods, 2005, 34, 245-252.	1.0	9
10	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
11	On the Monge-Åmpère equation for characterizing gamma-Gaussian model. Statistics and Probability Letters, 2013, 83, 1692-1698.	0.7	8
12	Moment for the inverse Riesz distributions. Statistics and Probability Letters, 2015, 102, 30-37.	0.7	8
13	Geometric dispersion models with real quadratic v-functions. Statistics and Probability Letters, 2019, 145, 197-204.	0.7	8
14	Geometric Tweedie regression models for continuous and semicontinuous data with variation phenomenon. ASTA Advances in Statistical Analysis, 2020, 104, 33-58.	0.9	8
15	On Poisson-exponential-Tweedie models for ultra-overdispersed count data. ASTA Advances in Statistical Analysis, 2021, 105, 1-23.	0.9	8
16	Asymptotic properties of the estimator for a finite mixture of exponential dispersion models. Filomat, 2018, 32, 6575-6598.	0.5	8
17	Characterization of multinomial exponential families by generalized variance. Statistics and Probability Letters, 2010, 80, 939-944.	0.7	7
18	A Compound Poisson Model for Learning Discrete Bayesian Networks. Acta Mathematica Scientia, 2013, 33, 1767-1784.	1.0	7

#	ARTICLE	IF	CITATIONS
19	Discrete exponential Bayesian networks: Definition, learning and application for density estimation. <i>Neurocomputing</i> , 2014, 137, 142-149.	5.9	7
20	Bayesian Network Modeling: A Case Study of Credit Scoring Analysis of Consumer Loans Default Payment. <i>Asian Economic and Financial Review</i> , 2017, 7, 846-857.	0.7	7
21	A new class of continuous Bayesian networks. <i>International Journal of Approximate Reasoning</i> , 2019, 109, 125-138.	3.3	7
22	Multivariate Normal $\hat{\mu}$ -Stable Exponential Families. <i>Mediterranean Journal of Mathematics</i> , 2016, 13, 1307-1323.	0.8	6
23	Characterization of multivariate stable processes. <i>Lithuanian Mathematical Journal</i> , 2017, 57, 59-68.	0.4	6
24	Characteristic study of some parameters of soil irrigated by magnetized waters. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	1.3	6
25	Conditional natural exponential families. <i>Statistics and Probability Letters</i> , 2006, 76, 1882-1888.	0.7	5
26	Discrete Exponential Bayesian Networks: An Extension of Bayesian Networks to Discrete Natural Exponential Families. , 2011, , .		5
27	Tweedie regression model: a proposed statistical approach for modelling indoor signal path loss. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2017, 30, e2243.	1.9	5
28	Model selection in biological networks using a graphical EM algorithm. <i>Neurocomputing</i> , 2019, 349, 271-280.	5.9	5
29	An efficient adaptive arithmetic coding for block-based lossless image compression using mixture models. , 2014, , .		4
30	A New Equilibrium Criterion for Learning the Cardinality of Latent Variables. , 2015, , .		4
31	A finite mixture model of geometric distributions for lossless image compression. <i>Signal, Image and Video Processing</i> , 2016, 10, 671-678.	2.7	4
32	A New Semiparametric Finite Mixture Model-Based Adaptive Arithmetic Coding for Lossless Image Compression. <i>Circuits, Systems, and Signal Processing</i> , 2016, 35, 1163-1186.	2.0	4
33	Maximum likelihood estimator of the scale parameter for the Riesz distribution. <i>Statistics and Probability Letters</i> , 2017, 126, 127-131.	0.7	4
34	Generalized Variance Functions for Infinitely Divisible Mixture Distributions. <i>Mediterranean Journal of Mathematics</i> , 2018, 15, 1.	0.8	4
35	Semiparametric Bayesian networks for continuous data. <i>Communications in Statistics - Theory and Methods</i> , 2021, 50, 5974-5996.	1.0	4
36	Implicit Distributions and Estimation. <i>Communications in Statistics - Theory and Methods</i> , 2005, 34, 245-252.	1.0	3

#	ARTICLE	IF	CITATIONS
37	The normal tempered stable regression model. Communications in Statistics - Theory and Methods, 2020, 49, 500-512.	1.0	3
38	Characterization of generalized Gamma-Lindley distribution using truncated moments of order statistics. Mathematica Slovaca, 2021, 71, 455-474.	0.6	3
39	A New Learning Structure Heuristic of Bayesian Networks from Data. Lecture Notes in Computer Science, 2012, , 183-197.	1.3	3
40	Singular Gaussian graphical models: Structure learning. Communications in Statistics Part B: Simulation and Computation, 2018, 47, 3106-3117.	1.2	2
41	Integrating the EM algorithm with particle filter for image restoration with exponential dispersion noise. Communications in Statistics - Theory and Methods, 2023, 52, 446-462.	1.0	2
42	An EM algorithm for singular Gaussian mixture models. Filomat, 2019, 33, 4753-4767.	0.5	2
43	Semi-Parametric Estimation Using Bernstein Polynomial and a Finite Gaussian Mixture Model. Entropy, 2022, 24, 315.	2.2	2
44	Discrete Exponential Bayesian Networks Structure Learning for Density Estimation. Communications in Computer and Information Science, 2012, , 146-151.	0.5	1
45	Parameter estimation of the diagonal of the modified riesz distribution. , 2013, , .		1
46	Implicit parameter estimation for conditional Gaussian Bayesian networks. International Journal of Computational Intelligence Systems, 2014, 7, 6-17.	2.7	1
47	Trace of the Variance-Covariance Matrix in Natural Exponential Families. Communications in Statistics - Theory and Methods, 2015, 44, 1241-1254.	1.0	1
48	Characteristic property of a class of multivariate variance functions. Lithuanian Mathematical Journal, 2015, 55, 506-517.	0.4	1
49	Learning Structure and Parameters in Bayesian Networks Using an Implicit Framework. , 2010, , .		0
50	An Unsupervised Image Segmentation Using B-Splines Functions. , 2012, , .		0
51	Implicit Estimation for the Stochastic Volatility Model. Communications in Statistics - Theory and Methods, 2014, 43, 1061-1076.	1.0	0
52	Reducing the Structure Space of Bayesian Classifiers Using Some General Algorithms. Mathematical Modelling and Algorithms, 2015, 14, 197-237.	0.5	0
53	On the consistency of Bayes estimates for the infinite continuous mixture of Dirichlet distributions. , 0, , .	1.0	0