Giorgio Corani

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3133668/publications.pdf

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45	832	623734	526287
papers	citations	14 h-index	27 g-index

51	51	51	919
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Air quality prediction in Milan: feed-forward neural networks, pruned neural networks and lazy learning. Ecological Modelling, 2005, 185, 513-529.	2.5	194
2	A Tutorial on Machine Learning for Failure Management in Optical Networks. Journal of Lightwave Technology, 2019, 37, 4125-4139.	4.6	83
3	Air pollution prediction via multi-label classification. Environmental Modelling and Software, 2016, 80, 259-264.	4.5	58
4	Evaluating credal classifiers by utility-discounted predictive accuracy. International Journal of Approximate Reasoning, 2012, 53, 1282-1301.	3.3	49
5	A Bayesian approach for comparing cross-validated algorithms on multiple data sets. Machine Learning, 2015, 100, 285-304.	5.4	35
6	Blastomere segmentation and 3D morphology measurements of early embryos from Hoffman Modulation Contrast image stacks. , 2010, , .		33
7	A Bayesian network model for predicting pregnancy after in vitro fertilization. Computers in Biology and Medicine, 2013, 43, 1783-1792.	7.0	30
8	Statistical comparison of classifiers through Bayesian hierarchical modelling. Machine Learning, 2017, 106, 1817-1837.	5.4	27
9	Structural risk minimization: a robust method for densityâ€dependence detection and model selection. Ecography, 2007, 30, 400-416.	4.5	25
10	Entropy-based pruning for learning Bayesian networks using BIC. Artificial Intelligence, 2018, 260, 42-50.	5.8	21
11	Approximate structure learning for large Bayesian networks. Machine Learning, 2018, 107, 1209-1227.	5.4	20
12	Efficient feature selection using shrinkage estimators. Machine Learning, 2019, 108, 1261-1286.	5.4	20
13	Efficient learning of bounded-treewidth Bayesian networks from complete and incomplete data sets. International Journal of Approximate Reasoning, 2018, 95, 152-166.	3.3	19
14	An application of pruning in the design of neural networks for real time flood forecasting. Neural Computing and Applications, 2005, 14, 66-77.	5.6	16
15	Learning extended tree augmented naive structures. International Journal of Approximate Reasoning, 2016, 68, 153-163.	3.3	16
16	Objective way to support embryo transfer: a probabilistic decision. Human Reproduction, 2013, 28, 1210-1220.	0.9	15
17	A tree augmented classifier based on Extreme Imprecise Dirichlet Model. International Journal of Approximate Reasoning, 2010, 51, 1053-1068.	3.3	14
18	Hierarchical estimation of parameters in Bayesian networks. Computational Statistics and Data Analysis, 2019, 137, 67-91.	1.2	12

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19	Credal ensembles of classifiers. Computational Statistics and Data Analysis, 2014, 71, 818-831.	1.2	11
20	Credal Model Averaging: An Extension of Bayesian Model Averaging to Imprecise Probabilities. Lecture Notes in Computer Science, 2008, , 257-271.	1.3	11
21	Towards predictive quality management in assembly systems with low quality low quantity data â€“ a methodological approach. Procedia CIRP, 2019, 79, 125-130.	1.9	10
22	Time Series Forecasting with Gaussian Processes Needs Priors. Lecture Notes in Computer Science, 2021, , 103-117.	1.3	10
23	VC-dimension and structural risk minimization for the analysis of nonlinear ecological models. Applied Mathematics and Computation, 2006, 176, 166-176.	2.2	9
24	Robust Bayesian model averaging for the analysis of presenceâ€“absence data. Environmental and Ecological Statistics, 2015, 22, 513-534.	3.5	9
25	Lazy naive credal classifier. , 2009, , .		9
26	Credal model averaging for classification: representing prior ignorance and expert opinions. International Journal of Approximate Reasoning, 2015, 56, 264-277.	3.3	8
27	Impact on place of death in cancer patients: a causal exploration in southern Switzerland. BMC Palliative Care, 2020, 19, 160.	1.8	8
28	The multilabel naive credal classifier. International Journal of Approximate Reasoning, 2017, 83, 320-336.	3.3	7
29	Probabilistic Reconciliation ofÂHierarchical Forecast via Bayesâ€™ Rule. Lecture Notes in Computer Science, 2021, , 211-226.	1.3	6
30	Model selection in demographic time series using VC-bounds. Ecological Modelling, 2006, 191, 186-195.	2.5	5
31	Hierarchical Multinomial-Dirichlet Model for the Estimation of Conditional Probability Tables. , 2017, , .		5
32	Artificial Defocus for Displaying Markers in Microscopy Z-Stacks. IEEE Transactions on Visualization and Computer Graphics, 2011, 17, 1757-1764.	4.4	4
33	Likelihood-Based Robust Classification with Bayesian Networks. Communications in Computer and Information Science, 2012, , 491-500.	0.5	4
34	JNCC2: An extension of naive Bayes classifier suited for small and incomplete data sets. Environmental Modelling and Software, 2008, 23, 960-961.	4.5	3
35	Lighting-Aware Segmentation of Microscopy Images for In Vitro Fertilization. Lecture Notes in Computer Science, 2009, , 576-585.	1.3	3
36	Sampling Subgraphs with Guaranteed Treewidth for Accurate and Efficient Graphical Inference. , 2020, , .		3

#	Article	IF	Citations
37	Comments on â€œImprecise probability models for learning multinomial distributions from data. Applications to learning credal networksâ€•by AndrÃ©s R. Masegosa and SerafÃn Moral. International Journal of Approximate Reasoning, 2014, 55, 1597-1600.	3.3	2
38	What Interplay of Factors Influences the Place of Death in Cancer Patients? An Innovative Probabilistic Approach Sheds Light on a Well-known Question. Journal of Pain and Symptom Management, 2018, 56, e25.	1.2	2
39	Bayesian Hypothesis Testing in Machine Learning. Lecture Notes in Computer Science, 2015, , 199-202.	1.3	2
40	Robust Texture Recognition Using Credal Classifiers. , 2010, , .		2
41	Prediction of ungulates abundance through local linear algorithms. Environmental Modelling and Software, 2006, 21, 1508-1511.	4.5	1
42	Hybrid heuristic for the optimal design of photovoltaic installations considering mismatch loss effects. Computers and Operations Research, 2019, 108, 112-120.	4.0	1
43	State Space Approximation of Gaussian Processes for Time Series Forecasting. Lecture Notes in Computer Science, 2021, , 21-35.	1.3	1
44	Structural Identification of Multivariate Neural Networks for Rainfall Runoff Modelling. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 1915-1920.	0.4	0
45	A Bayesian hierarchical score for structure learning from related data sets. International Journal of Approximate Reasoning, 2022, 142, 248-265.	3.3	0