

# Giorgio Corani

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

832  
citations

623734

14  
h-index

526287

27  
g-index

51  
all docs

51  
docs citations

51  
times ranked

919  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Bayesian hierarchical score for structure learning from related data sets. <i>International Journal of Approximate Reasoning</i> , 2022, 142, 248-265.	3.3	0
2	Time Series Forecasting with Gaussian Processes Needs Priors. <i>Lecture Notes in Computer Science</i> , 2021, , 103-117.	1.3	10
3	Probabilistic Reconciliation of Hierarchical Forecast via Bayes' Rule. <i>Lecture Notes in Computer Science</i> , 2021, , 211-226.	1.3	6
4	State Space Approximation of Gaussian Processes for Time Series Forecasting. <i>Lecture Notes in Computer Science</i> , 2021, , 21-35.	1.3	1
5	Impact on place of death in cancer patients: a causal exploration in southern Switzerland. <i>BMC Palliative Care</i> , 2020, 19, 160.	1.8	8
6	Sampling Subgraphs with Guaranteed Treewidth for Accurate and Efficient Graphical Inference. , 2020, , ,		3
7	A Tutorial on Machine Learning for Failure Management in Optical Networks. <i>Journal of Lightwave Technology</i> , 2019, 37, 4125-4139.	4.6	83
8	Towards predictive quality management in assembly systems with low quality low quantity data – a methodological approach. <i>Procedia CIRP</i> , 2019, 79, 125-130.	1.9	10
9	Efficient feature selection using shrinkage estimators. <i>Machine Learning</i> , 2019, 108, 1261-1286.	5.4	20
10	Hybrid heuristic for the optimal design of photovoltaic installations considering mismatch loss effects. <i>Computers and Operations Research</i> , 2019, 108, 112-120.	4.0	1
11	Hierarchical estimation of parameters in Bayesian networks. <i>Computational Statistics and Data Analysis</i> , 2019, 137, 67-91.	1.2	12
12	Efficient learning of bounded-treewidth Bayesian networks from complete and incomplete data sets. <i>International Journal of Approximate Reasoning</i> , 2018, 95, 152-166.	3.3	19
13	Entropy-based pruning for learning Bayesian networks using BIC. <i>Artificial Intelligence</i> , 2018, 260, 42-50.	5.8	21
14	What Interplay of Factors Influences the Place of Death in Cancer Patients? An Innovative Probabilistic Approach Sheds Light on a Well-known Question. <i>Journal of Pain and Symptom Management</i> , 2018, 56, e25.	1.2	2
15	Approximate structure learning for large Bayesian networks. <i>Machine Learning</i> , 2018, 107, 1209-1227.	5.4	20
16	The multilabel naive credal classifier. <i>International Journal of Approximate Reasoning</i> , 2017, 83, 320-336.	3.3	7
17	Statistical comparison of classifiers through Bayesian hierarchical modelling. <i>Machine Learning</i> , 2017, 106, 1817-1837.	5.4	27
18	Hierarchical Multinomial-Dirichlet Model for the Estimation of Conditional Probability Tables. , 2017, , ,		5

#	ARTICLE	IF	CITATIONS
19	Learning extended tree augmented naive structures. <i>International Journal of Approximate Reasoning</i> , 2016, 68, 153-163.	3.3	16
20	Air pollution prediction via multi-label classification. <i>Environmental Modelling and Software</i> , 2016, 80, 259-264.	4.5	58
21	Robust Bayesian model averaging for the analysis of presence-absence data. <i>Environmental and Ecological Statistics</i> , 2015, 22, 513-534.	3.5	9
22	A Bayesian approach for comparing cross-validated algorithms on multiple data sets. <i>Machine Learning</i> , 2015, 100, 285-304.	5.4	35
23	Credal model averaging for classification: representing prior ignorance and expert opinions. <i>International Journal of Approximate Reasoning</i> , 2015, 56, 264-277.	3.3	8
24	Bayesian Hypothesis Testing in Machine Learning. <i>Lecture Notes in Computer Science</i> , 2015, , 199-202.	1.3	2
25	Credal ensembles of classifiers. <i>Computational Statistics and Data Analysis</i> , 2014, 71, 818-831.	1.2	11
26	Comments on "Imprecise probability models for learning multinomial distributions from data. Applications to learning credal networks" by Andr�s R. Masegosa and Seraf�n Moral. <i>International Journal of Approximate Reasoning</i> , 2014, 55, 1597-1600.	3.3	2
27	A Bayesian network model for predicting pregnancy after in vitro fertilization. <i>Computers in Biology and Medicine</i> , 2013, 43, 1783-1792.	7.0	30
28	Objective way to support embryo transfer: a probabilistic decision. <i>Human Reproduction</i> , 2013, 28, 1210-1220.	0.9	15
29	Evaluating credal classifiers by utility-discounted predictive accuracy. <i>International Journal of Approximate Reasoning</i> , 2012, 53, 1282-1301.	3.3	49
30	Likelihood-Based Robust Classification with Bayesian Networks. <i>Communications in Computer and Information Science</i> , 2012, , 491-500.	0.5	4
31	Artificial Defocus for Displaying Markers in Microscopy Z-Stacks. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2011, 17, 1757-1764.	4.4	4
32	A tree augmented classifier based on Extreme Imprecise Dirichlet Model. <i>International Journal of Approximate Reasoning</i> , 2010, 51, 1053-1068.	3.3	14
33	Blastomere segmentation and 3D morphology measurements of early embryos from Hoffman Modulation Contrast image stacks. , 2010, , .		33
34	Robust Texture Recognition Using Credal Classifiers. , 2010, , .		2
35	Lazy naive credal classifier. , 2009, , .		9
36	Lighting-Aware Segmentation of Microscopy Images for In Vitro Fertilization. <i>Lecture Notes in Computer Science</i> , 2009, , 576-585.	1.3	3

#	ARTICLE	IF	CITATIONS
37	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
38	Credal Model Averaging: An Extension of Bayesian Model Averaging to Imprecise Probabilities. Lecture Notes in Computer Science, 2008, , 257-271.	1.3	11
39	Structural risk minimization: a robust method for densityâ€dependence detection and model selection. Ecography, 2007, 30, 400-416.	4.5	25
40	VC-dimension and structural risk minimization for the analysis of nonlinear ecological models. Applied Mathematics and Computation, 2006, 176, 166-176.	2.2	9
41	Prediction of ungulates abundance through local linear algorithms. Environmental Modelling and Software, 2006, 21, 1508-1511.	4.5	1
42	Model selection in demographic time series using VC-bounds. Ecological Modelling, 2006, 191, 186-195.	2.5	5
43	Air quality prediction in Milan: feed-forward neural networks, pruned neural networks and lazy learning. Ecological Modelling, 2005, 185, 513-529.	2.5	194
44	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
45	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