

Concha Bielza

List of Publications by Year in descending order

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Version: 2024-02-01

186
papers

5,423
citations

126907

33
h-index

102487

66
g-index

200
all docs

200
docs citations

200
times ranked

6843
citing authors

#	ARTICLE	IF	CITATIONS
1	New insights into the classification and nomenclature of cortical GABAergic interneurons. <i>Nature Reviews Neuroscience</i> , 2013, 14, 202-216.	10.2	707
2	Machine learning in bioinformatics. <i>Briefings in Bioinformatics</i> , 2006, 7, 86-112.	6.5	674
3	A survey on multi-output regression. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2015, 5, 216-233.	6.8	367
4	A community-based transcriptomics classification and nomenclature of neocortical cell types. <i>Nature Neuroscience</i> , 2020, 23, 1456-1468.	14.8	183
5	Discrete Bayesian Network Classifiers. <i>ACM Computing Surveys</i> , 2014, 47, 1-43.	23.0	180
6	Multi-dimensional classification with Bayesian networks. <i>International Journal of Approximate Reasoning</i> , 2011, 52, 705-727.	3.3	152
7	Comparison of Bayesian networks and artificial neural networks for quality detection in a machining process. <i>Expert Systems With Applications</i> , 2009, 36, 7270-7279.	7.6	145
8	A review on evolutionary algorithms in Bayesian network learning and inference tasks. <i>Information Sciences</i> , 2013, 233, 109-125.	6.9	110
9	Bayesian networks in neuroscience: a survey. <i>Frontiers in Computational Neuroscience</i> , 2014, 8, 131.	2.1	94
10	Parkinson's Disease Subtypes Identified from Cluster Analysis of Motor and Non-motor Symptoms. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 301.	3.4	94
11	Multi-label classification with Bayesian network-based chain classifiers. <i>Pattern Recognition Letters</i> , 2014, 41, 14-22.	4.2	84
12	Multiobjective Estimation of Distribution Algorithm Based on Joint Modeling of Objectives and Variables. <i>IEEE Transactions on Evolutionary Computation</i> , 2014, 18, 519-542.	10.0	80
13	Comparison between supervised and unsupervised classifications of neuronal cell types: A case study. <i>Developmental Neurobiology</i> , 2011, 71, 71-82.	3.0	78
14	A Survey of L_1 Regression. <i>International Statistical Review</i> , 2013, 81, 361-387.	1.9	78
15	A review on probabilistic graphical models in evolutionary computation. <i>Journal of Heuristics</i> , 2012, 18, 795-819.	1.4	70
16	Three-Dimensional Spatial Distribution of Synapses in the Neocortex: A Dual-Beam Electron Microscopy Study. <i>Cerebral Cortex</i> , 2014, 24, 1579-1588.	2.9	68
17	On time-dependent wavelet denoising. <i>IEEE Transactions on Signal Processing</i> , 1998, 46, 2549-2554.	5.3	67
18	Predicting dementia development in Parkinson's disease using Bayesian network classifiers. <i>Psychiatry Research - Neuroimaging</i> , 2013, 213, 92-98.	1.8	64

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19	A review of estimation of distribution algorithms in bioinformatics. <i>BioData Mining</i> , 2008, 1, 6.	4.0	61
20	Decision Analysis by Augmented Probability Simulation. <i>Management Science</i> , 1999, 45, 995-1007.	4.1	53
21	Clustering of Data Streams With Dynamic Gaussian Mixture Models: An IoT Application in Industrial Processes. <i>IEEE Internet of Things Journal</i> , 2018, 5, 3533-3547.	8.7	53
22	Regularized logistic regression without a penalty term: An application to cancer classification with microarray data. <i>Expert Systems With Applications</i> , 2011, 38, 5110-5118.	7.6	52
23	Unveiling relevant non-motor Parkinson's disease severity symptoms using a machine learning approach. <i>Artificial Intelligence in Medicine</i> , 2013, 58, 195-202.	6.5	50
24	Three-dimensional distribution of cortical synapses: a replicated point pattern-based analysis. <i>Frontiers in Neuroanatomy</i> , 2014, 8, 85.	1.7	49
25	A Comparison of Graphical Techniques for Asymmetric Decision Problems. <i>Management Science</i> , 1999, 45, 1552-1569.	4.1	47
26	Machine Learning Approach for the Outcome Prediction of Temporal Lobe Epilepsy Surgery. <i>PLoS ONE</i> , 2013, 8, e62819.	2.5	45
27	Predicting citation count of <i>Bioinformatics</i> papers within four years of publication. <i>Bioinformatics</i> , 2009, 25, 3303-3309.	4.1	44
28	A comparison of clustering quality indices using outliers and noise. <i>Intelligent Data Analysis</i> , 2012, 16, 703-715.	0.9	44
29	Multi-Dimensional Classification with Super-Classes. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2014, 26, 1720-1733.	5.7	43
30	A Bayesian network model for surface roughness prediction in the machining process. <i>International Journal of Systems Science</i> , 2008, 39, 1181-1192.	5.5	42
31	Relationship among research collaboration, number of documents and number of citations: a case study in Spanish computer science production in 2000-2009. <i>Scientometrics</i> , 2013, 95, 689-716.	3.0	40
32	Bayesian networks for interpretable machine learning and optimization. <i>Neurocomputing</i> , 2021, 456, 648-665.	5.9	40
33	Markov blanket-based approach for learning multi-dimensional Bayesian network classifiers: An application to predict the European Quality of Life-5 Dimensions (EQ-5D) from the 39-item Parkinson's Disease Questionnaire (PDQ-39). <i>Journal of Biomedical Informatics</i> , 2012, 45, 1175-1184.	4.3	37
34	Mateda-2.0 : A <i>MATLAB</i> Package for the Implementation and Analysis of Estimation of Distribution Algorithms. <i>Journal of Statistical Software</i> , 2010, 35, .	3.7	37
35	Predicting human immunodeficiency virus inhibitors using multi-dimensional Bayesian network classifiers. <i>Artificial Intelligence in Medicine</i> , 2013, 57, 219-229.	6.5	32
36	Machine Learning-based CPS for Clustering High throughput Machining Cycle Conditions. <i>Procedia Manufacturing</i> , 2017, 10, 997-1008.	1.9	32

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37	Laminar Differences in Dendritic Structure of Pyramidal Neurons in the Juvenile Rat Somatosensory Cortex. <i>Cerebral Cortex</i> , 2016, 26, 2811-2822.	2.9	29
38	Modeling challenges with influence diagrams: Constructing probability and utility models. <i>Decision Support Systems</i> , 2010, 49, 354-364.	5.9	28
39	A review of representation issues and modeling challenges with influence diagrams. <i>Omega</i> , 2011, 39, 227-241.	5.9	28
40	Classification of neocortical interneurons using affinity propagation. <i>Frontiers in Neural Circuits</i> , 2013, 7, 185.	2.8	28
41	The Vallecas Project: A Cohort to Identify Early Markers and Mechanisms of Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 181.	3.4	28
42	Peakbin Selection in Mass Spectrometry Data Using a Consensus Approach with Estimation of Distribution Algorithms. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2011, 8, 760-774.	3.0	26
43	Data Mining Validation of Fluconazole Breakpoints Established by the European Committee on Antimicrobial Susceptibility Testing. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 2949-2954.	3.2	25
44	A Graphical Decision-Theoretic Model for Neonatal Jaundice. <i>Medical Decision Making</i> , 2007, 27, 250-265.	2.4	24
45	Evaluation by Data Mining Techniques of Fluconazole Breakpoints Established by the Clinical and Laboratory Standards Institute (CLSI) and Comparison with Those of the European Committee on Antimicrobial Susceptibility Testing (EUCAST). <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 1541-1546.	3.2	24
46	3D morphology-based clustering and simulation of human pyramidal cell dendritic spines. <i>PLoS Computational Biology</i> , 2018, 14, e1006221.	3.2	24
47	Regularized continuous estimation of distribution algorithms. <i>Applied Soft Computing Journal</i> , 2013, 13, 2412-2432.	7.2	23
48	Multi-dimensional Bayesian network classifiers: A survey. <i>Artificial Intelligence Review</i> , 2021, 54, 519-559.	15.7	21
49	Models and Simulation of 3D Neuronal Dendritic Trees Using Bayesian Networks. <i>Neuroinformatics</i> , 2011, 9, 347-369.	2.8	20
50	Cost-sensitive selective naive Bayes classifiers for predicting the increase of the h-index for scientific journals. <i>Neurocomputing</i> , 2014, 135, 42-52.	5.9	20
51	Bayesian network modeling of the consensus between experts: An application to neuron classification. <i>International Journal of Approximate Reasoning</i> , 2014, 55, 3-22.	3.3	20
52	Directional naive Bayes classifiers. <i>Pattern Analysis and Applications</i> , 2015, 18, 225-246.	4.6	20
53	Machine-tool condition monitoring with Gaussian mixture models-based dynamic probabilistic clustering. <i>Engineering Applications of Artificial Intelligence</i> , 2020, 89, 103434.	8.1	20
54	Structural, elicitation and computational issues faced when solving complex decision making problems with influence diagrams. <i>Computers and Operations Research</i> , 2000, 27, 725-740.	4.0	19

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55	Comparing supervised learning methods for classifying sex, age, context and individual Mudi dogs from barking. <i>Animal Cognition</i> , 2015, 18, 405-421.	1.8	19
56	Bayesian Network Classifiers for Categorizing Cortical GABAergic Interneurons. <i>Neuroinformatics</i> , 2015, 13, 193-208.	2.8	19
57	Cluster methods for assessing research performance: exploring Spanish computer science. <i>Scientometrics</i> , 2013, 97, 571-600.	3.0	18
58	Bayesian Sparse Partial Least Squares. <i>Neural Computation</i> , 2013, 25, 3318-3339.	2.2	17
59	Towards a supervised classification of neocortical interneuron morphologies. <i>BMC Bioinformatics</i> , 2018, 19, 511.	2.6	17
60	Mining probabilistic models learned by EDAs in the optimization of multi-objective problems. , 2009, , .		16
61	Classifying evolving data streams with partially labeled data. <i>Intelligent Data Analysis</i> , 2011, 15, 655-670.	0.9	16
62	Long-term forecasting of multivariate time series in industrial furnaces with dynamic Gaussian Bayesian networks. <i>Engineering Applications of Artificial Intelligence</i> , 2021, 103, 104301.	8.1	16
63	Random Positions of Dendritic Spines in Human Cerebral Cortex. <i>Journal of Neuroscience</i> , 2014, 34, 10078-10084.	3.6	15
64	Classification of GABAergic interneurons by leading neuroscientists. <i>Scientific Data</i> , 2019, 6, 221.	5.3	15
65	Bivariate empirical and n-variate Archimedean copulas in estimation of distribution algorithms. , 2010, , .		14
66	Comparison of metaheuristic strategies for peakbin selection in proteomic mass spectrometry data. <i>Information Sciences</i> , 2013, 222, 229-246.	6.9	14
67	Classification of neural signals from sparse autoregressive features. <i>Neurocomputing</i> , 2013, 111, 21-26.	5.9	14
68	Branching angles of pyramidal cell dendrites follow common geometrical design principles in different cortical areas. <i>Scientific Reports</i> , 2014, 4, 5909.	3.3	14
69	Classifying GABAergic interneurons with semi-supervised projected model-based clustering. <i>Artificial Intelligence in Medicine</i> , 2015, 65, 49-59.	6.5	14
70	Data Publications Correlate with Citation Impact. <i>Frontiers in Neuroscience</i> , 2016, 10, 419.	2.8	14
71	Logistic regression for simulating damage occurrence on a fruit grading line. <i>Computers and Electronics in Agriculture</i> , 2003, 39, 95-113.	7.7	13
72	Approximating nondominated sets in continuous multiobjective optimization problems. <i>Naval Research Logistics</i> , 2005, 52, 469-480.	2.2	13

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73	Explaining clinical decisions by extracting regularity patterns. Decision Support Systems, 2008, 44, 397-408.	5.9	13
74	Learning an L1-Regularized Gaussian Bayesian Network in the Equivalence Class Space. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 1231-1242.	5.0	13
75	Network measures for information extraction in evolutionary algorithms. International Journal of Computational Intelligence Systems, 2013, 6, 1163-1188.	2.7	13
76	Tractability of most probable explanations in multidimensional Bayesian network classifiers. International Journal of Approximate Reasoning, 2018, 93, 74-87.	3.3	13
77	Random Forests for Regression as a Weighted Sum of k -Potential Nearest Neighbors. IEEE Access, 2019, 7, 25660-25672.	4.2	13
78	BayeSuites: An open web framework for massive Bayesian networks focused on neuroscience. Neurocomputing, 2021, 428, 166-181.	5.9	13
79	bnclassify: Learning Bayesian Network Classifiers. R Journal, 2019, 10, 455.	1.8	13
80	Optimizing Brain Networks Topologies Using Multi-objective Evolutionary Computation. Neuroinformatics, 2011, 9, 3-19.	2.8	12
81	Biomedical Informatics Publications: a Global Perspective. Methods of Information in Medicine, 2012, 51, 131-137.	1.2	12
82	Biomedical Informatics Publications: a Global Perspective. Methods of Information in Medicine, 2012, 51, 82-90.	1.2	12
83	Multi-dimensional classification of GABAergic interneurons with Bayesian network-modeled label uncertainty. Frontiers in Computational Neuroscience, 2014, 8, 150.	2.1	12
84	Learning mixtures of polynomials of multidimensional probability densities from data using B-spline interpolation. International Journal of Approximate Reasoning, 2014, 55, 989-1010.	3.3	12
85	Dynamic Bayesian Network-Based Anomaly Detection for In-Process Visual Inspection of Laser Surface Heat Treatment. , 2017, , 17-24.		12
86	Learning tractable Bayesian networks in the space of elimination orders. Artificial Intelligence, 2019, 274, 66-90.	5.8	12
87	Semiparametric Bayesian networks. Information Sciences, 2022, 584, 564-582.	6.9	12
88	COMPROMISE-BASED APPROACH TO ROAD PROJECT SELECTION IN MADRID METROPOLITAN AREA. Journal of the Operations Research Society of Japan, 2003, 46, 99-122.	0.2	11
89	Estimation of Distribution Algorithms as Logistic Regression Regularizers of Microarray Classifiers. Methods of Information in Medicine, 2009, 48, 236-241.	1.2	11
90	Using Bayesian networks to discover relationships between bibliometric indices. A case study of computer science and artificial intelligence journals. Scientometrics, 2011, 89, 523-551.	3.0	11

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91	Parameter Control of Genetic Algorithms by Learning and Simulation of Bayesian Networks " A Case Study for the Optimal Ordering of Tables. Journal of Computer Science and Technology, 2013, 28, 720-731.	1.5	11
92	A univocal definition of the neuronal soma morphology using Gaussian mixture models. Frontiers in Neuroanatomy, 2015, 9, 137.	1.7	11
93	Interval-based ranking in noisy evolutionary multi-objective optimization. Computational Optimization and Applications, 2015, 61, 517-555.	1.6	11
94	Mining multi-dimensional concept-drifting data streams using Bayesian network classifiers. Intelligent Data Analysis, 2016, 20, 257-280.	0.9	11
95	Decision functions for chain classifiers based on Bayesian networks for multi-label classification. International Journal of Approximate Reasoning, 2016, 68, 164-178.	3.3	11
96	Comparing basal dendrite branches in human and mouse hippocampal CA1 pyramidal neurons with Bayesian networks. Scientific Reports, 2020, 10, 18592.	3.3	11
97	Identifying Parkinson's disease subtypes with motor and non-motor symptoms via model-based multi-partition clustering. Scientific Reports, 2021, 11, 23645.	3.3	11
98	A list-based compact representation for large decision tables management. European Journal of Operational Research, 2005, 160, 638-662.	5.7	10
99	Optimizing logistic regression coefficients for discrimination and calibration using estimation distribution algorithms. Top, 2008, 16, 345-366.	1.6	10
100	Dendritic-branching angles of pyramidal neurons of the human cerebral cortex. Brain Structure and Function, 2017, 222, 1847-1859.	2.3	10
101	Lazy lasso for local regression. Computational Statistics, 2012, 27, 531-550.	1.5	9
102	Ensemble transcript interaction networks: A case study on Alzheimer's disease. Computer Methods and Programs in Biomedicine, 2012, 108, 442-450.	4.7	9
103	A Directional-Linear Bayesian Network and Its Application for Clustering and Simulation of Neural Somas. IEEE Access, 2019, 7, 69907-69921.	4.2	9
104	Three-dimensional spatial modeling of spines along dendritic networks in human cortical pyramidal neurons. PLoS ONE, 2017, 12, e0180400.	2.5	9
105	Regularized logistic regression and multiobjective variable selection for classifying MEG data. Biological Cybernetics, 2012, 106, 389-405.	1.3	8
106	Genetic algorithms and Gaussian Bayesian networks to uncover the predictive core set of bibliometric indices. Journal of the Association for Information Science and Technology, 2016, 67, 1703-1721.	2.9	8
107	Comparing the Electrophysiology and Morphology of Human and Mouse Layer 2/3 Pyramidal Neurons With Bayesian Networks. Frontiers in Neuroinformatics, 2021, 15, 580873.	2.5	8
108	Multi-objective Optimization with Joint Probabilistic Modeling of Objectives and Variables. Lecture Notes in Computer Science, 2011, , 298-312.	1.3	8

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109	Mouse p53-Deficient Cancer Models as Platforms for Obtaining Genomic Predictors of Human Cancer Clinical Outcomes. PLoS ONE, 2012, 7, e42494.	2.5	7
110	Recent Advances in Probabilistic Graphical Models. International Journal of Intelligent Systems, 2015, 30, 207-208.	5.7	7
111	Tractable learning of Bayesian networks from partially observed data. Pattern Recognition, 2019, 91, 190-199.	8.1	7
112	Optimal row and column ordering to improve table interpretation using estimation of distribution algorithms. Journal of Heuristics, 2011, 17, 567-588.	1.4	6
113	PREDICTING THE EQ-5D FROM THE PARKINSON'S DISEASE QUESTIONNAIRE PDQ-8 USING MULTI-DIMENSIONAL BAYESIAN NETWORK CLASSIFIERS. Biomedical Engineering - Applications, Basis and Communications, 2014, 26, 1450015.	0.6	6
114	Multi-dimensional Bayesian Network Classifier Trees. Lecture Notes in Computer Science, 2018, , 354-363.	1.3	6
115	MultiMap: A Tool to Automatically Extract and Analyse Spatial Microscopic Data From Large Stacks of Confocal Microscopy Images. Frontiers in Neuroanatomy, 2018, 12, 37.	1.7	6
116	Patient specific prediction of temporal lobe epilepsy surgical outcomes. Epilepsia, 2021, 62, 2113-2122.	5.1	6
117	Mining Concept-Drifting Data Streams Containing Labeled and Unlabeled Instances. Lecture Notes in Computer Science, 2010, , 531-540.	1.3	6
118	Node deletion sequences in influence diagrams using genetic algorithms. Statistics and Computing, 2004, 14, 181-198.	1.5	5
119	Predicting the h-index with cost-sensitive naive Bayes. , 2011, , .		5
120	Affinity propagation enhanced by estimation of distribution algorithms. , 2011, , .		5
121	Learning Bayesian networks with low inference complexity. Progress in Artificial Intelligence, 2016, 5, 15-26.	2.4	5
122	A regularity index for dendrites - local statistics of a neuron's input space. PLoS Computational Biology, 2018, 14, e1006593.	3.2	5
123	A circular-linear dependence measure under Johnsonâ€™Wehrly distributions and its application in Bayesian networks. Information Sciences, 2019, 486, 240-253.	6.9	5
124	Sensitivity Analysis in IctNeo. Lecture Notes in Statistics, 2000, , 317-334.	0.2	5
125	Continuous Estimation of Distribution Algorithms Based on Factorized Gaussian Markov Networks. Adaptation, Learning, and Optimization, 2012, , 157-173.	0.6	5
126	Multidimensional statistical analysis of the parameterization of a genetic algorithm for the optimal ordering of tables. Expert Systems With Applications, 2010, 37, 804-815.	7.6	4

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127	Forward stagewise naïve Bayes. Progress in Artificial Intelligence, 2012, 1, 57-69.	2.4	4
128	Dendritic branching angles of pyramidal cells across layers of the juvenile rat somatosensory cortex. Journal of Comparative Neurology, 2016, 524, 2567-2576.	1.6	4
129	Circular Bayesian classifiers using wrapped Cauchy distributions. Data and Knowledge Engineering, 2019, 122, 101-115.	3.4	4
130	A review of Gaussian Markov models for conditional independence. Journal of Statistical Planning and Inference, 2020, 206, 127-144.	0.6	4
131	Autoregressive Asymmetric Linear Gaussian Hidden Markov Models. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	13.9	4
132	Bayesian Optimization of the PC Algorithm for Learning Gaussian Bayesian Networks. Lecture Notes in Computer Science, 2018, , 44-54.	1.3	4
133	Patterns of Dendritic Basal Field Orientation of Pyramidal Neurons in the Rat Somatosensory Cortex. ENeuro, 2018, 5, ENEURO.0142-18.2018.	1.9	4
134	PyBNesian: An extensible python package for Bayesian networks. Neurocomputing, 2022, 504, 204-209.	5.9	4
135	A new feature extraction method for signal classification applied to cord dorsum potential detection. Journal of Neural Engineering, 2012, 9, 056009.	3.5	3
136	Semi-supervised projected model-based clustering. Data Mining and Knowledge Discovery, 2014, 28, 882-917.	3.7	3
137	Dendritic and Axonal Wiring Optimization of Cortical GABAergic Interneurons. Neuroinformatics, 2016, 14, 453-464.	2.8	3
138	Frobenius Norm Regularization for the Multivariate Von Mises Distribution. International Journal of Intelligent Systems, 2017, 32, 153-176.	5.7	3
139	Probabilistic Graphical Markov Model Learning: An Adaptive Strategy. Lecture Notes in Computer Science, 2009, , 225-236.	1.3	3
140	Development of a Cyber-Physical System based on selective Gaussian naïve Bayes model for a self-predict laser surface heat treatment process control. , 2016, , 1-8.		3
141	Optimal Decision Explanation by Extracting Regularity Patterns. , 2004, , 283-294.		3
142	Explainable Machine Learning for Longitudinal Multi-Omic Microbiome. Mathematics, 2022, 10, 1994.	2.2	3
143	Hybrid semiparametric Bayesian networks. Test, 2022, 31, 299-327.	1.1	3
144	Influence Diagrams for Neonatal Jaundice Management. Lecture Notes in Computer Science, 1999, , 138-142.	1.3	2

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145	A decision approach to competitive electronic sealed-bid auctions for land. Journal of the Operational Research Society, 2006, 57, 1126-1133.	3.4	2
146	Regularized k-order markov models in EDAs. , 2011, , .		2
147	Conditional Density Approximations with Mixtures of Polynomials. International Journal of Intelligent Systems, 2015, 30, 236-264.	5.7	2
148	Univariate and bivariate truncated von Mises distributions. Progress in Artificial Intelligence, 2017, 6, 171-180.	2.4	2
149	Network design through forests with degree- and role-constrained minimum spanning trees. Journal of Heuristics, 2017, 23, 31-51.	1.4	2
150	On generating random Gaussian graphical models. International Journal of Approximate Reasoning, 2020, 125, 240-250.	3.3	2
151	Structure Learning of High-Order Dynamic Bayesian Networks via Particle Swarm Optimization with Order Invariant Encoding. Lecture Notes in Computer Science, 2021, , 158-171.	1.3	2
152	Learning Conditional Linear Gaussian Classifiers with Probabilistic Class Labels. Lecture Notes in Computer Science, 2013, , 139-148.	1.3	2
153	Multiattribute Utility Analysis in the IctNeo System. Lecture Notes in Economics and Mathematical Systems, 2000, , 81-92.	0.3	2
154	Análisis de la actividad científica de las universidades públicas españolas en el área de las tecnologías informáticas. Revista Espanola De Documentacion Cientifica, 2013, 36, e002.	0.4	2
155	Multipartition clustering of mixed data with Bayesian networks. International Journal of Intelligent Systems, 2022, 37, 2188-2218.	5.7	2
156	Estimation of distribution algorithms using Gaussian Bayesian networks to solve industrial optimization problems constrained by environment variables. Journal of Combinatorial Optimization, 2022, 44, 1077-1098.	1.3	2
157	Sparse regularized local regression. Computational Statistics and Data Analysis, 2013, 62, 122-135.	1.2	1
158	Towards optimal neuronal wiring through estimation of distribution algorithms. , 2013, , .		1
159	AN L1-REGULARIZED NAÏVE BAYES-INSPIRED CLASSIFIER FOR DISCARDING REDUNDANT AND IRRELEVANT PREDICTORS. International Journal on Artificial Intelligence Tools, 2013, 22, 1350019.	1.0	1
160	Wiring Economy of Pyramidal Cells in the Juvenile Rat Somatosensory Cortex. PLoS ONE, 2016, 11, e0165915.	2.5	1
161	Incremental Learning of Latent Forests. IEEE Access, 2020, 8, 224420-224432.	4.2	1
162	Sparse Cholesky Covariance Parametrization for Recovering Latent Structure in Ordered Data. IEEE Access, 2020, 8, 154614-154624.	4.2	1

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163	Efficient Anomaly Detection in a Laser-Surface Heat-Treatment Process via Laser-Spot Tracking. IEEE/ASME Transactions on Mechatronics, 2021, 26, 405-415.	5.8	1
164	Multidimensional continuous time Bayesian network classifiers. International Journal of Intelligent Systems, 0, , .	5.7	1
165	Using Probabilistic Dependencies Improves the Search of Conductance-Based Compartmental Neuron Models. Lecture Notes in Computer Science, 2010, , 170-181.	1.3	1
166	Synergies between Network-Based Representation and Probabilistic Graphical Models for Classification, Inference and Optimization Problems in Neuroscience. Lecture Notes in Computer Science, 2010, , 149-158.	1.3	1
167	An Interactive Framework for Open Queries in Decision Support Systems. Lecture Notes in Computer Science, 2002, , 254-264.	1.3	1
168	Hierarchical Junction Trees: Conditional Independence Preservation and Forecasting in Dynamic Bayesian Networks with Heterogeneous Evolution. Studies in Fuzziness and Soft Computing, 2004, , 57-75.	0.8	1
169	Augmented Semi-naive Bayes Classifier. Lecture Notes in Computer Science, 2013, , 159-167.	1.3	1
170	Discretization of Expression Quantitative Trait Loci in Association Analysis Between Genotypes and Expression Data. Current Bioinformatics, 2015, 10, 144-164.	1.5	1
171	Asymmetric Hidden Markov Models with Continuous Variables. Lecture Notes in Computer Science, 2018, , 98-107.	1.3	1
172	A Fast Metropolis-Hastings Method for Generating Random Correlation Matrices. Lecture Notes in Computer Science, 2018, , 117-124.	1.3	1
173	Dealing with complex queries in decision-support systems. Data and Knowledge Engineering, 2011, 70, 167-181.	3.4	0
174	On nonlinearity in neural encoding models applied to the primary visual cortex. Network: Computation in Neural Systems, 2011, 22, 97-125.	3.6	0
175	Maximizing the number of polychronous groups in spiking networks. , 2012, , .		0
176	Bayesian networks to answer challenging neuroscience questions. , 2013, , .		0
177	Guest Editors introduction: special issue of the ECMLPKDD 2015 journal track. Machine Learning, 2015, 100, 157-159.	5.4	0
178	Guest editors introduction: special issue of the ECMLPKDD 2015 journal track. Data Mining and Knowledge Discovery, 2015, 29, 1113-1115.	3.7	0
179	Architecture for anomaly detection in a laser heating surface process. , 2017, , .		0
180	MULTIVARIATE ANALYSIS OF AN ON-LINE NIR SPECTROMETER UNDER INDUSTRIAL USE. Acta Horticulturae, 2005, , 513-519.	0.2	0

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181	Semi-supervised Projected Clustering for Classifying GABAergic Interneurons. Lecture Notes in Computer Science, 2013, , 156-165.	1.3	0
182	Learning Mixtures of Polynomials of Conditional Densities from Data. Lecture Notes in Computer Science, 2013, , 363-372.	1.3	0
183	Expressive Power of Binary Relevance and Chain Classifiers Based on Bayesian Networks for Multi-label Classification. Lecture Notes in Computer Science, 2014, , 519-534.	1.3	0
184	Towards Gaussian Bayesian Network Fusion. Lecture Notes in Computer Science, 2015, , 519-528.	1.3	0
185	Tree-Structured Bayesian Networks for Wrapped Cauchy Directional Distributions. Lecture Notes in Computer Science, 2016, , 207-216.	1.3	0
186	Rejoinder on: Hybrid semiparametric Bayesian networks. Test, 0, , .	1.1	0