Pedro Maria LarraÃ‘aga Mugica

List of Publications by Year
in descending order

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255	14,000	53794 45	23533 111
papers	citations	h-index	g-index

279	279	279	15228
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Semiparametric Bayesian networks. Information Sciences, 2022, 584, 564-582.	6.9	12
2	Multipartition clustering of mixed data with Bayesian networks. International Journal of Intelligent Systems, 2022, 37, 2188-2218.	5.7	2
3	Explainable Machine Learning for Longitudinal Multi-Omic Microbiome. Mathematics, 2022, 10, 1994.	2.2	3
4	Hybrid semiparametric Bayesian networks. Test, 2022, 31, 299-327.	1.1	3
5	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
6	PyBNesian: An extensible python package for Bayesian networks. Neurocomputing, 2022, 504, 204-209.	5.9	4
7	Multi-dimensional Bayesian network classifiers: A survey. Artificial Intelligence Review, 2021, 54, 519-559.	15.7	21
8	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
9	BayeSuites: An open web framework for massive Bayesian networks focused on neuroscience. Neurocomputing, 2021, 428, 166-181.	5.9	13
10	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
11	Bayesian networks for interpretable machine learning and optimization. Neurocomputing, 2021, 456, 648-665.	5.9	40
12	Patient specific prediction of temporal lobe epilepsy surgical outcomes. Epilepsia, 2021, 62, 2113-2122.	5.1	6
13	Long-term forecasting of multivariate time series in industrial furnaces with dynamic Gaussian Bayesian networks. Engineering Applications of Artificial Intelligence, 2021, 103, 104301.	8.1	16
14	Autoregressive Asymmetric Linear Gaussian Hidden Markov Models. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	13.9	4
15	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
16	Identifying Parkinsonâ€™s disease subtypes with motor and non-motor symptoms via model-based multi-partition clustering. Scientific Reports, 2021, 11, 23645.	3.3	11
17	A review of Gaussian Markov models for conditional independence. Journal of Statistical Planning and Inference, 2020, 206, 127-144.	0.6	4
18	Machine-tool condition monitoring with Gaussian mixture models-based dynamic probabilistic clustering. Engineering Applications of Artificial Intelligence, 2020, 89, 103434.	8.1	20

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19	Comparing basal dendrite branches in human and mouse hippocampal CA1 pyramidal neurons with Bayesian networks. Scientific Reports, 2020, 10, 18592.	3.3	11
20	Incremental Learning of Latent Forests. IEEE Access, 2020, 8, 224420-224432.	4.2	1
21	Sparse Cholesky Covariance Parametrization for Recovering Latent Structure in Ordered Data. IEEE Access, 2020, 8, 154614-154624.	4.2	1
22	A community-based transcriptomics classification and nomenclature of neocortical cell types. Nature Neuroscience, 2020, 23, 1456-1468.	14.8	183
23	On generating random Gaussian graphical models. International Journal of Approximate Reasoning, 2020, 125, 240-250.	3.3	2
24	A Directional-Linear Bayesian Network and Its Application for Clustering and Simulation of Neural Somas. IEEE Access, 2019, 7, 69907-69921.	4.2	9
25	Classification of GABAergic interneurons by leading neuroscientists. Scientific Data, 2019, 6, 221.	5.3	15
26	Circular Bayesian classifiers using wrapped Cauchy distributions. Data and Knowledge Engineering, 2019, 122, 101-115.	3.4	4
27	Random Forests for Regression as a Weighted Sum of ${k}$ -Potential Nearest Neighbors. IEEE Access, 2019, 7, 25660-25672.	4.2	13
28	Tractable learning of Bayesian networks from partially observed data. Pattern Recognition, 2019, 91, 190-199.	8.1	7
29	A circular-linear dependence measure under Johnsonâ€“Wehrly distributions and its application in Bayesian networks. Information Sciences, 2019, 486, 240-253.	6.9	5
30	Learning tractable Bayesian networks in the space of elimination orders. Artificial Intelligence, 2019, 274, 66-90.	5.8	12
31	bnclassify: Learning Bayesian Network Classifiers. R Journal, 2019, 10, 455.	1.8	13
32	Tractability of most probable explanations in multidimensional Bayesian network classifiers. International Journal of Approximate Reasoning, 2018, 93, 74-87.	3.3	13
33	Multi-dimensional Bayesian Network Classifier Trees. Lecture Notes in Computer Science, 2018, , 354-363.	1.3	6
34	A regularity index for dendrites - local statistics of a neuron's input space. PLoS Computational Biology, 2018, 14, e1006593.	3.2	5
35	Towards a supervised classification of neocortical interneuron morphologies. BMC Bioinformatics, 2018, 19, 511.	2.6	17
36	Clustering of Data Streams With Dynamic Gaussian Mixture Models: An IoT Application in Industrial Processes. IEEE Internet of Things Journal, 2018, 5, 3533-3547.	8.7	53

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37	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
38	3D morphology-based clustering and simulation of human pyramidal cell dendritic spines. PLoS Computational Biology, 2018, 14, e1006221.	3.2	24
39	Asymmetric Hidden Markov Models with Continuous Variables. Lecture Notes in Computer Science, 2018, , 98-107.	1.3	1
40	Bayesian Optimization of the PC Algorithm for Learning Gaussian Bayesian Networks. Lecture Notes in Computer Science, 2018, , 44-54.	1.3	4
41	A Fast Metropolis-Hastings Method for Generating Random Correlation Matrices. Lecture Notes in Computer Science, 2018, , 117-124.	1.3	1
42	Patterns of Dendritic Basal Field Orientation of Pyramidal Neurons in the Rat Somatosensory Cortex. ENeuro, 2018, 5, ENEURO.0142-18.2018.	1.9	4
43	Univariate and bivariate truncated von Mises distributions. Progress in Artificial Intelligence, 2017, 6, 171-180.	2.4	2
44	Network design through forests with degree- and role-constrained minimum spanning trees. Journal of Heuristics, 2017, 23, 31-51.	1.4	2
45	Dynamic Bayesian Network-Based Anomaly Detection for In-Process Visual Inspection of Laser Surface Heat Treatment. , 2017, , 17-24.		12
46	Machine Learning-based CPS for Clustering High throughput Machining Cycle Conditions. Procedia Manufacturing, 2017, 10, 997-1008.	1.9	32
47	Dendritic-branching angles of pyramidal neurons of the human cerebral cortex. Brain Structure and Function, 2017, 222, 1847-1859.	2.3	10
48	Frobenius Norm Regularization for the Multivariate Von Mises Distribution. International Journal of Intelligent Systems, 2017, 32, 153-176.	5.7	3
49	Architecture for anomaly detection in a laser heating surface process. , 2017, , .		0
50	Parkinson's Disease Subtypes Identified from Cluster Analysis of Motor and Non-motor Symptoms. Frontiers in Aging Neuroscience, 2017, 9, 301.	3.4	94
51	Three-dimensional spatial modeling of spines along dendritic networks in human cortical pyramidal neurons. PLoS ONE, 2017, 12, e0180400.	2.5	9
52	Data Publications Correlate with Citation Impact. Frontiers in Neuroscience, 2016, 10, 419.	2.8	14
53	Wiring Economy of Pyramidal Cells in the Juvenile Rat Somatosensory Cortex. PLoS ONE, 2016, 11, e0165915.	2.5	1
54	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

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55	Mining multi-dimensional concept-drifting data streams using Bayesian network classifiers. Intelligent Data Analysis, 2016, 20, 257-280.	0.9	11
56	Learning Bayesian networks with low inference complexity. Progress in Artificial Intelligence, 2016, 5, 15-26.	2.4	5
57	Dendritic and Axonal Wiring Optimization of Cortical GABAergic Interneurons. Neuroinformatics, 2016, 14, 453-464.	2.8	3
58	Genetic algorithms and <scp>G</scp>aussian <scp>B</scp>ayesian 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
59	Laminar Differences in Dendritic Structure of Pyramidal Neurons in the Juvenile Rat Somatosensory Cortex. Cerebral Cortex, 2016, 26, 2811-2822.	2.9	29
60	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
61	Development of a Cyber-Physical System based on selective Gaussian naÃ¯ve Bayes model for a self-predict laser surface heat treatment process control. , 2016, , 1-8.		3
62	Tree-Structured Bayesian Networks for Wrapped Cauchy Directional Distributions. Lecture Notes in Computer Science, 2016, , 207-216.	1.3	0
63	A survey on multiâ€output regression. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2015, 5, 216-233.	6.8	367
64	The Vallecas Project: A Cohort to Identify Early Markers and Mechanisms of Alzheimerâ€™s Disease. Frontiers in Aging Neuroscience, 2015, 7, 181.	3.4	28
65	A univocal definition of the neuronal soma morphology using Gaussian mixture models. Frontiers in Neuroanatomy, 2015, 9, 137.	1.7	11
66	Interval-based ranking in noisy evolutionary multi-objective optimization. Computational Optimization and Applications, 2015, 61, 517-555.	1.6	11
67	Comparing supervised learning methods for classifying sex, age, context and individual Mudi dogs from barking. Animal Cognition, 2015, 18, 405-421.	1.8	19
68	Conditional Density Approximations with Mixtures of Polynomials. International Journal of Intelligent Systems, 2015, 30, 236-264.	5.7	2
69	Bayesian Network Classifiers for Categorizing Cortical GABAergic Interneurons. Neuroinformatics, 2015, 13, 193-208.	2.8	19
70	Classifying GABAergic interneurons with semi-supervised projected model-based clustering. Artificial Intelligence in Medicine, 2015, 65, 49-59.	6.5	14
71	Directional naive Bayes classifiers. Pattern Analysis and Applications, 2015, 18, 225-246.	4.6	20
72	Towards Gaussian Bayesian Network Fusion. Lecture Notes in Computer Science, 2015, , 519-528.	1.3	0

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73	Discretization of Expression Quantitative Trait Loci in Association Analysis Between Genotypes and Expression Data^{Â§}. Current Bioinformatics, 2015, 10, 144-164.	1.5	1
74	Three-dimensional distribution of cortical synapses: a replicated point pattern-based analysis. Frontiers in Neuroanatomy, 2014, 8, 85.	1.7	49
75	Bayesian networks in neuroscience: a survey. Frontiers in Computational Neuroscience, 2014, 8, 131.	2.1	94
76	Multi-dimensional classification of GABAergic interneurons with Bayesian network-modeled label uncertainty. Frontiers in Computational Neuroscience, 2014, 8, 150.	2.1	12
77	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
78	Cost-sensitive selective naive Bayes classifiers for predicting the increase of the h-index for scientific journals. Neurocomputing, 2014, 135, 42-52.	5.9	20
79	Bayesian network modeling of the consensus between experts: An application to neuron classification. International Journal of Approximate Reasoning, 2014, 55, 3-22.	3.3	20
80	Semi-supervised projected model-based clustering. Data Mining and Knowledge Discovery, 2014, 28, 882-917.	3.7	3
81	Random Positions of Dendritic Spines in Human Cerebral Cortex. Journal of Neuroscience, 2014, 34, 10078-10084.	3.6	15
82	Multi-Dimensional Classification with Super-Classes. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 1720-1733.	5.7	43
83	Discrete Bayesian Network Classifiers. ACM Computing Surveys, 2014, 47, 1-43.	23.0	180
84	Multi-label classification with Bayesian network-based chain classifiers. Pattern Recognition Letters, 2014, 41, 14-22.	4.2	84
85	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
86	Multiobjective Estimation of Distribution Algorithm Based on Joint Modeling of Objectives and Variables. IEEE Transactions on Evolutionary Computation, 2014, 18, 519-542.	10.0	80
87	Three-Dimensional Spatial Distribution of Synapses in the Neocortex: A Dual-Beam Electron Microscopy Study. Cerebral Cortex, 2014, 24, 1579-1588.	2.9	68
88	Branching angles of pyramidal cell dendrites follow common geometrical design principles in different cortical areas. Scientific Reports, 2014, 4, 5909.	3.3	14
89	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
90	Cluster methods for assessing research performance: exploring Spanish computer science. Scientometrics, 2013, 97, 571-600.	3.0	18

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91	Parameter Control of Genetic Algorithms by Learning and Simulation of Bayesian Networks â€" A Case Study for the Optimal Ordering of Tables. Journal of Computer Science and Technology, 2013, 28, 720-731.	1.5	11
92	Regularized continuous estimation of distribution algorithms. Applied Soft Computing Journal, 2013, 13, 2412-2432.	7.2	23
93	Comparison of metaheuristic strategies for peakbin selection in proteomic mass spectrometry data. Information Sciences, 2013, 222, 229-246.	6.9	14
94	Unveiling relevant non-motor Parkinson's disease severity symptoms using a machine learning approach. Artificial Intelligence in Medicine, 2013, 58, 195-202.	6.5	50
95	A new measure for gene expression biclustering based on non-parametric correlation. Computer Methods and Programs in Biomedicine, 2013, 112, 367-397.	4.7	36
96	Sparse regularized local regression. Computational Statistics and Data Analysis, 2013, 62, 122-135.	1.2	1
97	Predicting dementia development in Parkinson's disease using Bayesian network classifiers. Psychiatry Research - Neuroimaging, 2013, 213, 92-98.	1.8	64
98	Classification of neural signals from sparse autoregressive features. Neurocomputing, 2013, 111, 21-26.	5.9	14
99	New insights into the classification and nomenclature of cortical GABAergic interneurons. Nature Reviews Neuroscience, 2013, 14, 202-216.	10.2	707
100	Relationship among research collaboration, number of documents and number of citations: a case study in Spanish computer science production in 2000â€"2009. Scientometrics, 2013, 95, 689-716.	3.0	40
101	A review on evolutionary algorithms in Bayesian network learning and inference tasks. Information Sciences, 2013, 233, 109-125.	6.9	110
102	Predicting human immunodeficiency virus inhibitors using multi-dimensional Bayesian network classifiers. Artificial Intelligence in Medicine, 2013, 57, 219-229.	6.5	32
103	A Survey of L₁ Regression. International Statistical Review, 2013, 81, 361-387.	1.9	78
104	Towards optimal neuronal wiring through estimation of distribution algorithms. , 2013, , .		1
105	AN L1-REGULARIZED NAÃVE BAYES-INSPIRED CLASSIFIER FOR DISCARDING REDUNDANT AND IRRELEVANT PREDICTORS. International Journal on Artificial Intelligence Tools, 2013, 22, 1350019.	1.0	1
106	Bayesian Sparse Partial Least Squares. Neural Computation, 2013, 25, 3318-3339.	2.2	17
107	Network measures for information extraction in evolutionary algorithms. International Journal of Computational Intelligence Systems, 2013, 6, 1163-1188.	2.7	13
108	Bayesian networks to answer challenging neuroscience questions. , 2013, , .		0

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109	Machine Learning Approach for the Outcome Prediction of Temporal Lobe Epilepsy Surgery. PLoS ONE, 2013, 8, e62819.	2.5	45
110	Classification of neocortical interneurons using affinity propagation. Frontiers in Neural Circuits, 2013, 7, 185.	2.8	28
111	Learning Conditional Linear Gaussian Classifiers with Probabilistic Class Labels. Lecture Notes in Computer Science, 2013, , 139-148.	1.3	2
112	Semi-supervised Projected Clustering for Classifying GABAergic Interneurons. Lecture Notes in Computer Science, 2013, , 156-165.	1.3	0
113	Learning Mixtures of Polynomials of Conditional Densities from Data. Lecture Notes in Computer Science, 2013, , 363-372.	1.3	0
114	Augmented Semi-naive Bayes Classifier. Lecture Notes in Computer Science, 2013, , 159-167.	1.3	1
115	AnÃ¡lisis de la actividad cientÃfica de las universidades pÃºblicas espaÃ±olas en el Ã¡rea de las tecnologÃas informÃ¡ticas. Revista Espanola De Documentacion Cientifica, 2013, 36, e002.	0.4	2
116	Maximizing the number of polychronous groups in spiking networks. , 2012, , .		0
117	A comparison of clustering quality indices using outliers and noise. Intelligent Data Analysis, 2012, 16, 703-715.	0.9	44
118	Lazy lasso for local regression. Computational Statistics, 2012, 27, 531-550.	1.5	9
119	Regularized logistic regression and multiobjective variable selection for classifying MEG data. Biological Cybernetics, 2012, 106, 389-405.	1.3	8
120	Wrapper positive Bayesian network classifiers. Knowledge and Information Systems, 2012, 33, 631-654.	3.2	6
121	A review on probabilistic graphical models in evolutionary computation. Journal of Heuristics, 2012, 18, 795-819.	1.4	70
122	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 Parkinsonâ€™s Disease Questionnaire (PDQ-39). Journal of Biomedical Informatics, 2012, 45, 1175-1184.	4.3	37
123	Ensemble transcript interaction networks: A case study on Alzheimer's disease. Computer Methods and Programs in Biomedicine, 2012, 108, 442-450.	4.7	9
124	A new feature extraction method for signal classification applied to cord dorsum potential detection. Journal of Neural Engineering, 2012, 9, 056009.	3.5	3
125	Mouse p53-Deficient Cancer Models as Platforms for Obtaining Genomic Predictors of Human Cancer Clinical Outcomes. PLoS ONE, 2012, 7, e42494.	2.5	7
126	Forward stagewise naÃ¯ve Bayes. Progress in Artificial Intelligence, 2012, 1, 57-69.	2.4	4

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127	Identification of a biomarker panel for colorectal cancer diagnosis. BMC Cancer, 2012, 12, 43.	2.6	40
128	Continuous Estimation of Distribution Algorithms Based on Factorized Gaussian Markov Networks. Adaptation, Learning, and Optimization, 2012, , 157-173.	0.6	5
129	Peakbin Selection in Mass Spectrometry Data Using a Consensus Approach with Estimation of Distribution Algorithms. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2011, 8, 760-774.	3.0	26
130	Predicting the h-index with cost-sensitive naive Bayes. , 2011, , .		5
131	Classifying evolving data streams with partially labeled data. Intelligent Data Analysis, 2011, 15, 655-670.	0.9	16
132	Optimal row and column ordering to improve table interpretation using estimation of distribution algorithms. Journal of Heuristics, 2011, 17, 567-588.	1.4	6
133	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
134	Optimizing Brain Networks Topologies Using Multi-objective Evolutionary Computation. Neuroinformatics, 2011, 9, 3-19.	2.8	12
135	Models and Simulation of 3D Neuronal Dendritic Trees Using Bayesian Networks. Neuroinformatics, 2011, 9, 347-369.	2.8	20
136	Comparison between supervised and unsupervised classifications of neuronal cell types: A case study. Developmental Neurobiology, 2011, 71, 71-82.	3.0	78
137	Regularized logistic regression without a penalty term: An application to cancer classification with microarray data. Expert Systems With Applications, 2011, 38, 5110-5118.	7.6	52
138	Probabilistic graphical models in artificial intelligence. Applied Soft Computing Journal, 2011, 11, 1511-1528.	7.2	58
139	Multi-dimensional classification with Bayesian networks. International Journal of Approximate Reasoning, 2011, 52, 705-727.	3.3	152
140	Affinity propagation enhanced by estimation of distribution algorithms. , 2011, , .		5
141	Regularized k-order markov models in EDAs. , 2011, , .		2
142	On nonlinearity in neural encoding models applied to the primary visual cortex. Network: Computation in Neural Systems, 2011, 22, 97-125.	3.6	0
143	Multi-objective Optimization with Joint Probabilistic Modeling of Objectives and Variables. Lecture Notes in Computer Science, 2011, , 298-312.	1.3	8
144	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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145	Bivariate empirical and n-variate Archimedean copulas in estimation of distribution algorithms. , 2010, , .		14
146	Learning Factorizations in Estimation of Distribution Algorithms Using Affinity Propagation. Evolutionary Computation, 2010, 18, 515-546.	3.0	22
147	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). Antimicrobial Agents and Chemotherapy, 2010, 54, 1541-1546.	3.2	24
148	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
149	Machine Learning: An Indispensable Tool in Bioinformatics. Methods in Molecular Biology, 2010, 593, 25-48.	0.9	61
150	Using Probabilistic Dependencies Improves the Search of Conductance-Based Compartmental Neuron Models. Lecture Notes in Computer Science, 2010, , 170-181.	1.3	1
151	Mining Concept-Drifting Data Streams Containing Labeled and Unlabeled Instances. Lecture Notes in Computer Science, 2010, , 531-540.	1.3	6
152	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
153	EDA-PSO: A Hybrid Paradigm Combining Estimation of Distribution Algorithms and Particle Swarm Optimization. Lecture Notes in Computer Science, 2010, , 416-423.	1.3	14
154	Mateda-2.0: AMATLABPackage for the Implementation and Analysis of Estimation of Distribution Algorithms. Journal of Statistical Software, 2010, 35, .	3.7	37
155	Estimation of Distribution Algorithms as Logistic Regression Regularizers of Microarray Classifiers. Methods of Information in Medicine, 2009, 48, 236-241.	1.2	11
156	Data Mining Validation of Fluconazole Breakpoints Established by the European Committee on Antimicrobial Susceptibility Testing. Antimicrobial Agents and Chemotherapy, 2009, 53, 2949-2954.	3.2	25
157	Predicting citation count of Bioinformatics papers within four years of publication. Bioinformatics, 2009, 25, 3303-3309.	4.1	44
158	Mining probabilistic models learned by EDAs in the optimization of multi-objective problems. , 2009, , .		16
159	Microarray Analysis of Autoimmune Diseases by Machine Learning Procedures. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 341-350.	3.2	15
160	Guest Editorial: Special Issue on Evolutionary Algorithms Based on Probabilistic Models. IEEE Transactions on Evolutionary Computation, 2009, 13, 1197-1198.	10.0	10
161	Feature subset selection from positive and unlabelled examples. Pattern Recognition Letters, 2009, 30, 1027-1036.	4.2	10
162	Research topics in discrete estimation of distribution algorithms based on factorizations. Memetic Computing, 2009, 1, 35-54.	4.0	28

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163	Bayesian classifiers based on kernel density estimation: Flexible classifiers. International Journal of Approximate Reasoning, 2009, 50, 341-362.	3.3	117
164	Triangulation of Bayesian networks with recursive estimation of distribution algorithms. International Journal of Approximate Reasoning, 2009, 50, 472-484.	3.3	23
165	Probabilistic Graphical Markov Model Learning: An Adaptive Strategy. Lecture Notes in Computer Science, 2009, , 225-236.	1.3	3
166	Gaussian-Stacking Multiclassifiers for Human Embryo Selection. , 2009, , 307-331.		2
167	Combining variable neighborhood search and estimation of distribution algorithms in the protein side chain placement problem. Journal of Heuristics, 2008, 14, 519-547.	1.4	34
168	Optimizing logistic regression coefficients forÂdiscrimination and calibration using estimationÂofÂdistribution algorithms. Top, 2008, 16, 345-366.	1.6	10
169	A review of estimation of distribution algorithms in bioinformatics. BioData Mining, 2008, 1, 6.	4.0	61
170	Selection of human embryos for transfer by Bayesian classifiers. Computers in Biology and Medicine, 2008, 38, 1177-1186.	7.0	30
171	What is behind a summary-evaluation decision?. Behavior Research Methods, 2008, 40, 597-612.	4.0	4
172	Bayesian classification for the selection of in vitro human embryos using morphological and clinical data. Computer Methods and Programs in Biomedicine, 2008, 90, 104-116.	4.7	54
173	Detecting reliable gene interactions by a hierarchy of Bayesian network classifiers. Computer Methods and Programs in Biomedicine, 2008, 91, 110-121.	4.7	23
174	Discontinuous and diachronous evolution of the Main Ethiopian Rift: Implications for development of continental rifts. Earth and Planetary Science Letters, 2008, 265, 96-111.	4.4	129
175	Protein Folding in Simplified Models With Estimation of Distribution Algorithms. IEEE Transactions on Evolutionary Computation, 2008, 12, 418-438.	10.0	110
176	Inference of Population Structure Using Genetic Markers and a Bayesian Model Averaging Approach for Clustering. Journal of Computational Biology, 2008, 15, 207-220.	1.6	6
177	Prioritization of candidate cancer genesâ€"an aid to oncogenomic studies. Nucleic Acids Research, 2008, 36, e115-e115.	14.5	31
178	Component weighting functions for adaptive search with EDAs. , 2008, , .		3
179	Adaptive Estimation of Distribution Algorithms. Studies in Computational Intelligence, 2008, , 177-197.	0.9	11
180	The Impact of Exact Probabilistic Learning Algorithms in EDAs Based on Bayesian Networks. Studies in Computational Intelligence, 2008, , 109-139.	0.9	13

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181	Adding Probabilistic Dependencies to the Search of Protein Side Chain Configurations Using EDAs. Lecture Notes in Computer Science, 2008, , 1120-1129.	1.3	3
182	Bayesian Classifiers with Consensus Gene Selection: A Case Study in the Systemic Lupus Erythematosus. Mathematics in Industry, 2008, , 560-565.	0.3	2
183	Combining Bayesian classifiers and estimation of distribution algorithms for optimization in continuous domains. Connection Science, 2007, 19, 297-319.	3.0	12
184	A review of feature selection techniques in bioinformatics. Bioinformatics, 2007, 23, 2507-2517.	4.1	4,126
185	Exact Bayesian network learning in estimation of distribution algorithms. , 2007, , .		26
186	Wrapper discretization by means of estimation of distribution algorithms. Intelligent Data Analysis, 2007, 11, 525-545.	0.9	22
187	Learning Bayesian classifiers from positive and unlabeled examples. Pattern Recognition Letters, 2007, 28, 2375-2384.	4.2	59
188	A partially supervised classification approach to dominant and recessive human disease gene prediction. Computer Methods and Programs in Biomedicine, 2007, 85, 229-237.	4.7	19
189	Side chain placement using estimation of distribution algorithms. Artificial Intelligence in Medicine, 2007, 39, 49-63.	6.5	34
190	The Role of a Priori Information in the Minimization of Contact Potentials by Means of Estimation of Distribution Algorithms. , 2007, , 247-257.		13
191	Discriminative vs. Generative Learning of Bayesian Network Classifiers. Lecture Notes in Computer Science, 2007, , 453-464.	1.3	3
192	GA-EDA: A New Hybrid Cooperative Search Evolutionary Algorithm. Studies in Fuzziness and Soft Computing, 2006, , 187-219.	0.8	10
193	Machine learning in bioinformatics. Briefings in Bioinformatics, 2006, 7, 86-112.	6.5	674
194	Bayesian Model Averaging of Naive Bayes for Clustering. IEEE Transactions on Systems, Man, and Cybernetics, 2006, 36, 1149-1161.	5.0	25
195	Supervised classification with conditional Gaussian networks: Increasing the structure complexity from naive Bayes. International Journal of Approximate Reasoning, 2006, 43, 1-25.	3.3	95
196	Mixtures of Kikuchi Approximations. Lecture Notes in Computer Science, 2006, , 365-376.	1.3	11
197	Information Theory and Classification Error in Probabilistic Classifiers. Lecture Notes in Computer Science, 2006, , 347-351.	1.3	3
198	Evolutionary Bayesian Classifier-Based Optimization in Continuous Domains. Lecture Notes in Computer Science, 2006, , 529-536.	1.3	4

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