

Jose A A Lozano

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

187 papers	5,870 citations	33 h-index	73 g-index
212 ext. papers	7,309 ext. citations	4.4 avg, IF	6.09 L-index

#	Paper	IF	Citations
187	A Multivariate Time Series Streaming Classifier for Predicting Hard Drive Failures [Application Notes]. <i>IEEE Computational Intelligence Magazine</i> , 2022 , 17, 102-114	5.6	2
186	Time series classifier recommendation by a meta-learning approach. <i>Pattern Recognition</i> , 2022 , 128, 108671	10.7	1
185	SNDProb: A probabilistic approach for streaming novelty detection. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2022 , 1-1	4.2	0
184	Learning a Battery of COVID-19 Mortality Prediction Models by Multi-objective Optimization. <i>Lecture Notes in Computer Science</i> , 2022 , 332-342	0.9	0
183	Analysis of the sensitivity of the End-Of-Turn Detection task to errors generated by the Automatic Speech Recognition process. <i>Engineering Applications of Artificial Intelligence</i> , 2021 , 100, 104189	7.2	2
182	Evolution of Gaussian Process kernels for machine translation post-editing effort estimation. <i>Annals of Mathematics and Artificial Intelligence</i> , 2021 , 89, 835-856	0.8	0
181	A machine learning approach to predict healthcare cost of breast cancer patients. <i>Scientific Reports</i> , 2021 , 11, 12441	4.9	1
180	A Review on Outlier/Anomaly Detection in Time Series Data. <i>ACM Computing Surveys</i> , 2021 , 54, 1-33	13.4	49
179	A Cheap Feature Selection Approach for the K-Means Algorithm. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 2195-2208	10.3	7
178	In-depth analysis of SVM kernel learning and its components. <i>Neural Computing and Applications</i> , 2021 , 33, 6575-6594	4.8	3
177	Probabilistic Load Forecasting Based on Adaptive Online Learning. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 3668-3680	7	9
176	Simulation Framework for Orbit Propagation and Space Trajectory Visualization. <i>IEEE Aerospace and Electronic Systems Magazine</i> , 2021 , 36, 4-20	2.4	1
175	An efficient K-means clustering algorithm for tall data. <i>Data Mining and Knowledge Discovery</i> , 2020 , 34, 776-811	5.6	19
174	Mutual information based feature subset selection in multivariate time series classification. <i>Pattern Recognition</i> , 2020 , 108, 107525	7.7	16
173	Merge Nondominated Sorting Algorithm for Many-Objective Optimization. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	4
172	Optimization of Deep Learning Precipitation Models Using Categorical Binary Metrics. <i>Journal of Advances in Modeling Earth Systems</i> , 2020 , 12, e2019MS001909	7.1	4
171	Identifying common treatments from Electronic Health Records with missing information. An application to breast cancer. <i>PLoS ONE</i> , 2020 , 15, e0244004	3.7	2

170	Exploring Gaps in DeepFool in Search of More Effective Adversarial Perturbations. <i>Lecture Notes in Computer Science</i> , 2020 , 215-227	0.9	
169	Bayesian Optimization Approaches for Massively Multi-modal Problems. <i>Lecture Notes in Computer Science</i> , 2020 , 383-397	0.9	0
168	Evolving Gaussian Process Kernels for Translation Editing Effort Estimation. <i>Lecture Notes in Computer Science</i> , 2020 , 304-318	0.9	2
167	Robust image classification against adversarial attacks using elastic similarity measures between edge count sequences. <i>Neural Networks</i> , 2020 , 128, 61-72	9.1	5
166	Analyzing rare event, anomaly, novelty and outlier detection terms under the supervised classification framework. <i>Artificial Intelligence Review</i> , 2020 , 53, 3575-3594	9.7	17
165	An evolutionary discretized Lambert approach for optimal long-range rendezvous considering impulse limit. <i>Aerospace Science and Technology</i> , 2019 , 94, 105400	4.9	4
164	Aggregated outputs by linear models: An application on marine litter beaching prediction. <i>Information Sciences</i> , 2019 , 481, 381-393	7.7	2
163	A Note on the Behavior of Majority Voting in Multi-Class Domains with Biased Annotators. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2019 , 31, 195-200	4.2	3
162	Anatomy of the Attraction Basins: Breaking with the Intuition. <i>Evolutionary Computation</i> , 2019 , 27, 435-466	4.9	4
161	An Experimental Study in Adaptive Kernel Selection for Bayesian Optimization. <i>IEEE Access</i> , 2019 , 7, 184294-184302	3.3	3
160	On-line Elastic Similarity Measures for time series. <i>Pattern Recognition</i> , 2019 , 88, 506-517	7.7	13
159	A review on distance based time series classification. <i>Data Mining and Knowledge Discovery</i> , 2019 , 33, 378-412	5.6	60
158	Detection of sand dunes on Mars using a regular vine-based classification approach. <i>Knowledge-Based Systems</i> , 2019 , 163, 858-874	7.3	10
157	Multi-Objectivising Combinatorial Optimisation Problems by Means of Elementary Landscape Decompositions. <i>Evolutionary Computation</i> , 2019 , 27, 291-311	4.3	3
156	A system for airport weather forecasting based on circular regression trees. <i>Environmental Modelling and Software</i> , 2018 , 100, 24-32	5.2	3
155	Fitting the data from embryo implantation prediction: Learning from label proportions. <i>Statistical Methods in Medical Research</i> , 2018 , 27, 1056-1066	2.3	12
154	Sampling and Learning Mallows and Generalized Mallows Models Under the Cayley Distance. <i>Methodology and Computing in Applied Probability</i> , 2018 , 20, 1-35	0.6	8
153	An efficient evolutionary algorithm for the orienteering problem. <i>Computers and Operations Research</i> , 2018 , 90, 42-59	4.6	24

152	The weighted independent domination problem: Integer linear programming models and metaheuristic approaches. <i>European Journal of Operational Research</i> , 2018 , 265, 860-871	5.6	6
151	Two datasets of defect reports labeled by a crowd of annotators of unknown reliability. <i>Data in Brief</i> , 2018 , 18, 840-845	1.2	2
150	Spacecraft trajectory optimization: A review of models, objectives, approaches and solutions. <i>Progress in Aerospace Sciences</i> , 2018 , 102, 76-98	8.8	52
149	Estimating attraction basin sizes of combinatorial optimization problems. <i>Progress in Artificial Intelligence</i> , 2018 , 7, 369-384	4	2
148	Bayesian inference for algorithm ranking analysis 2018 ,		8
147	Early Classification of Time Series by Simultaneously Optimizing the Accuracy and Earliness. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 4569-4578	10.3	33
146	Distance-Based Exponential Probability Models for Constrained Combinatorial Problems. <i>Lecture Notes in Computer Science</i> , 2018 , 187-197	0.9	
145	Learning to classify software defects from crowds: A novel approach. <i>Applied Soft Computing Journal</i> , 2018 , 62, 579-591	7.5	14
144	Multi-start Methods 2018 , 155-175		4
143	Effects of Reducing VMs Management Times on Elastic Applications. <i>Journal of Grid Computing</i> , 2018 , 16, 513-530	4.2	1
142	Reliable early classification of time series based on discriminating the classes over time. <i>Data Mining and Knowledge Discovery</i> , 2017 , 31, 233-263	5.6	38
141	An efficient approximation to the K-means clustering for massive data. <i>Knowledge-Based Systems</i> , 2017 , 117, 56-69	7.3	109
140	An investigation of clustering strategies in many-objective optimization: the I-Multi algorithm as a case study. <i>Swarm Intelligence</i> , 2017 , 11, 101-130	3	7
139	Measuring the class-imbalance extent of multi-class problems. <i>Pattern Recognition Letters</i> , 2017 , 98, 32-38	4.7	31
138	A square lattice probability model for optimising the Graph Partitioning Problem 2017 ,		2
137	Learning from Proportions of Positive and Unlabeled Examples. <i>International Journal of Intelligent Systems</i> , 2017 , 32, 109-133	8.4	5
136	Transfer weight functions for injecting problem information in the multi-objective CMA-ES. <i>Memetic Computing</i> , 2017 , 9, 153-180	3.4	2
135	Analyzing the Performance of Allocation Strategies Based on Space-Filling Curves. <i>Lecture Notes in Computer Science</i> , 2017 , 232-251	0.9	1

134	. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 96-109	15.6	38
133	Vine copula classifiers for the mind reading problem. <i>Progress in Artificial Intelligence</i> , 2016 , 5, 289-305	4	4
132	A review of message passing algorithms in estimation of distribution algorithms. <i>Natural Computing</i> , 2016 , 15, 165-180	1.3	2
131	Construct, Merge, Solve & Adapt A new general algorithm for combinatorial optimization. <i>Computers and Operations Research</i> , 2016 , 68, 75-88	4.6	46
130	Efficient approximation of probability distributions with k-order decomposable models. <i>International Journal of Approximate Reasoning</i> , 2016 , 74, 58-87	3.6	3
129	Semisupervised Multiclass Classification Problems With Scarcity of Labeled Data: A Theoretical Study. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 2602-2614	10.3	8
128	Similarity Measure Selection for Clustering Time Series Databases. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2016 , 28, 181-195	4.2	40
127	A Tunable Generator of Instances of Permutation-Based Combinatorial Optimization Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 165-179	15.6	13
126	Weak supervision and other non-standard classification problems: A taxonomy. <i>Pattern Recognition Letters</i> , 2016 , 69, 49-55	4.7	51
125	A Note on the Boltzmann Distribution and the Linear Ordering Problem. <i>Lecture Notes in Computer Science</i> , 2016 , 441-446	0.9	1
124	Estimating Attraction Basin Sizes. <i>Lecture Notes in Computer Science</i> , 2016 , 458-467	0.9	1
123	Gene-Gene Interactions Detection Using a Two-stage Model. <i>Journal of Computational Biology</i> , 2015 , 22, 563-76	1.7	5
122	An artificial bioindicator system for network intrusion detection. <i>Artificial Life</i> , 2015 , 21, 93-118	1.4	4
121	Kernels of Mallows Models for Solving Permutation-based Problems 2015 ,		8
120	Dealing with the evaluation of supervised classification algorithms. <i>Artificial Intelligence Review</i> , 2015 , 44, 467-508	9.7	78
119	Multi-view classification of psychiatric conditions based on saccades. <i>Applied Soft Computing Journal</i> , 2015 , 31, 308-316	7.5	2
118	Comprehensive characterization of the behaviors of estimation of distribution algorithms. <i>Theoretical Computer Science</i> , 2015 , 598, 64-86	1.1	4
117	A review of distances for the Mallows and Generalized Mallows estimation of distribution algorithms. <i>Computational Optimization and Applications</i> , 2015 , 62, 545-564	1.4	13

116	Locality-aware policies to improve job scheduling on 3D tori. <i>Journal of Supercomputing</i> , 2015 , 71, 966-994	9.4	4
115	Path Planning for Single Unmanned Aerial Vehicle by Separately Evolving Waypoints. <i>IEEE Transactions on Robotics</i> , 2015 , 31, 1130-1146	6.5	78
114	Multi-objectivising the Quadratic Assignment Problem by Means of an Elementary Landscape Decomposition. <i>Lecture Notes in Computer Science</i> , 2015 , 289-300	0.9	2
113	A review of travel time estimation and forecasting for Advanced Traveller Information Systems. <i>Transportmetrica A: Transport Science</i> , 2015 , 11, 119-157	2.5	112
112	Evaluating machine-learning techniques for recruitment forecasting of seven North East Atlantic fish species. <i>Ecological Informatics</i> , 2015 , 25, 35-42	4.2	15
111	The linear ordering problem revisited. <i>European Journal of Operational Research</i> , 2015 , 241, 686-696	5.6	20
110	Multidimensional Learning from Crowds: Usefulness and Application of Expertise Detection. <i>International Journal of Intelligent Systems</i> , 2015 , 30, 326-354	8.4	8
109	A Boltzmann-Based Estimation of Distribution Algorithm for a General Resource Scheduling Model. <i>IEEE Transactions on Evolutionary Computation</i> , 2015 , 19, 793-806	15.6	16
108	Mathematical programming strategies for solving the minimum common string partition problem. <i>European Journal of Operational Research</i> , 2015 , 242, 769-777	5.6	11
107	Multi-start Methods 2015 , 1-21		5
106	A Novel Weakly Supervised Problem: Learning from Positive-Unlabeled Proportions. <i>Lecture Notes in Computer Science</i> , 2015 , 3-13	0.9	2
105	Assisting in search heuristics selection through multidimensional supervised classification: A case study on software testing. <i>Information Sciences</i> , 2014 , 258, 122-139	7.7	6
104	A Review of Auto-scaling Techniques for Elastic Applications in Cloud Environments. <i>Journal of Grid Computing</i> , 2014 , 12, 559-592	4.2	340
103	A Method for Wind Speed Forecasting in Airports Based on Nonparametric Regression. <i>Weather and Forecasting</i> , 2014 , 29, 1332-1342	2.1	8
102	Extending distance-based ranking models in estimation of distribution algorithms 2014 ,		10
101	Estimation of Distribution Algorithms based Unmanned Aerial Vehicle path planner using a new coordinate system 2014 ,		6
100	A fast implementation of the first fit contiguous partitioning strategy for cubic topologies. <i>Concurrency Computation Practice and Experience</i> , 2014 , 26, 2792-2810	1.4	2
99	Application-aware metrics for partition selection in cube-shaped topologies. <i>Parallel Computing</i> , 2014 , 40, 129-139	1	3

98	A Distance-Based Ranking Model Estimation of Distribution Algorithm for the Flowshop Scheduling Problem. <i>IEEE Transactions on Evolutionary Computation</i> , 2014 , 18, 286-300	15.6	82
97	Iterative Probabilistic Tree Search for the Minimum Common String Partition Problem. <i>Lecture Notes in Computer Science</i> , 2014 , 145-154	0.9	5
96	Customized Selection in Estimation of Distribution Algorithms. <i>Lecture Notes in Computer Science</i> , 2014 , 94-105	0.9	2
95	Gene-Gene Interactions Detection Using a Two-Stage Model. <i>Lecture Notes in Computer Science</i> , 2014 , 340-355	0.9	
94	Significance tests or confidence intervals: which are preferable for the comparison of classifiers?. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2013 , 25, 189-206	2	15
93	Symmetry in evolutionary and estimation of distribution algorithms 2013 ,		2
92	How natural is a natural interface? An evaluation procedure based on action breakdowns. <i>Personal and Ubiquitous Computing</i> , 2013 , 17, 69-79	2.1	13
91	Learning Bayesian network classifiers from label proportions. <i>Pattern Recognition</i> , 2013 , 46, 3425-3440	7.7	39
90	An evaluation of methods for estimating the number of local optima in combinatorial optimization problems. <i>Evolutionary Computation</i> , 2013 , 21, 625-58	4.3	19
89	Supervised pre-processing approaches in multiple class variables classification for fish recruitment forecasting. <i>Environmental Modelling and Software</i> , 2013 , 40, 245-254	5.2	26
88	A general framework for the statistical analysis of the sources of variance for classification error estimators. <i>Pattern Recognition</i> , 2013 , 46, 855-864	7.7	18
87	The Plackett-Luce ranking model on permutation-based optimization problems 2013 ,		10
86	On the taxonomy of optimization problems under estimation of distribution algorithms. <i>Evolutionary Computation</i> , 2013 , 21, 471-95	4.3	10
85	Message Passing Methods for Estimation of Distribution Algorithms Based on Markov Networks. <i>Lecture Notes in Computer Science</i> , 2013 , 419-430	0.9	1
84	Learning from Crowds in Multi-dimensional Classification Domains. <i>Lecture Notes in Computer Science</i> , 2013 , 352-362	0.9	1
83	Understanding Instance Complexity in the Linear Ordering Problem. <i>Lecture Notes in Computer Science</i> , 2013 , 479-486	0.9	2
82	Generating Customized Landscapes in Permutation-Based Combinatorial Optimization Problems. <i>Lecture Notes in Computer Science</i> , 2013 , 299-303	0.9	3
81	Multidimensional k-Interaction Classifier: Taking Advantage of All the Information Contained in Low Order Interactions. <i>Lecture Notes in Computer Science</i> , 2013 , 393-401	0.9	

80	Critical Issues in Model-Based Surrogate Functions in Estimation of Distribution Algorithms. <i>Lecture Notes in Computer Science</i> , 2013 , 1-13	0.9	1
79	Approaching Sentiment Analysis by using semi-supervised learning of multi-dimensional classifiers. <i>Neurocomputing</i> , 2012 , 92, 98-115	5.4	68
78	Toward Understanding EDAs Based on Bayesian Networks Through a Quantitative Analysis. <i>IEEE Transactions on Evolutionary Computation</i> , 2012 , 16, 173-189	15.6	14
77	An interactive optimization approach to a real-world oceanographic campaign planning problem. <i>Applied Intelligence</i> , 2012 , 36, 721-734	4.9	1
76	Wrapper positive Bayesian network classifiers. <i>Knowledge and Information Systems</i> , 2012 , 33, 631-654	2.4	6
75	Using Multidimensional Bayesian Network Classifiers to Assist the Treatment of Multiple Sclerosis. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2012 , 42, 1705-1715		22
74	A review on estimation of distribution algorithms in permutation-based combinatorial optimization problems. <i>Progress in Artificial Intelligence</i> , 2012 , 1, 103-117	4	75
73	A Markovianity based optimisation algorithm. <i>Genetic Programming and Evolvable Machines</i> , 2012 , 13, 159-195	2	20
72	Evolving NK-complexity for evolutionary solvers 2012 ,		2
71	Structural transfer using EDAs: An application to multi-marker tagging SNP selection 2012 ,		15
70	Fast Fitness Improvements in Estimation of Distribution Algorithms Using Belief Propagation. <i>Adaptation, Learning, and Optimization</i> , 2012 , 141-155	0.7	2
69	Optimization-based mapping framework for parallel applications. <i>Journal of Parallel and Distributed Computing</i> , 2011 , 71, 1377-1387	4.4	14
68	A preprocessing procedure for haplotype inference by pure parsimony. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2011 , 8, 1183-95	3	3
67	A preliminary study on EDAs for permutation problems based on marginal-based models 2011 ,		4
66	A study on the complexity of TSP instances under the 2-exchange neighbor system 2011 ,		4
65	Increasing power of genome-wide association studies by collecting additional single-nucleotide polymorphisms. <i>Genetics</i> , 2011 , 188, 449-60	4	20
64	On the limits of effectiveness in estimation of distribution algorithms 2011 ,		12
63	Introducing the Mallows Model on Estimation of Distribution Algorithms. <i>Lecture Notes in Computer Science</i> , 2011 , 461-470	0.9	18

62	Learning Probability Distributions over Permutations by Means of Fourier Coefficients. <i>Lecture Notes in Computer Science</i> , 2011 , 186-191	0.9	
61	Estimation of Bayesian networks algorithms in a class of complex networks 2010 ,		1
60	Learning factorizations in estimation of distribution algorithms using affinity propagation. <i>Evolutionary Computation</i> , 2010 , 18, 515-46	4.3	16
59	Sensitivity analysis of kappa-fold cross validation in prediction error estimation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2010 , 32, 569-75	13.3	764
58	Multi-marker tagging single nucleotide polymorphism selection using estimation of distribution algorithms. <i>Artificial Intelligence in Medicine</i> , 2010 , 50, 193-201	7.4	9
57	Fish recruitment prediction, using robust supervised classification methods. <i>Ecological Modelling</i> , 2010 , 221, 338-352	3	48
56	Mateda-2.0: AMATLABPackage for the Implementation and Analysis of Estimation of Distribution Algorithms. <i>Journal of Statistical Software</i> , 2010 , 35,	7.3	31
55	Machine learning: an indispensable tool in bioinformatics. <i>Methods in Molecular Biology</i> , 2010 , 593, 25-48	1.4	40
54	A Review on Parallel Estimation of Distribution Algorithms. <i>Studies in Computational Intelligence</i> , 2010 , 143-163	0.8	1
53	Analyzing the k Most Probable Solutions in EDAs Based on Bayesian Networks. <i>Adaptation, Learning, and Optimization</i> , 2010 , 163-189	0.7	2
52	Strategies to Map Parallel Applications onto Meshes. <i>Advances in Intelligent and Soft Computing</i> , 2010 , 197-204		4
51	Optimizing the number of classes in automated zooplankton classification. <i>Journal of Plankton Research</i> , 2009 , 31, 19-29	2.2	32
50	Analyzing the probability of the optimum in EDAs based on Bayesian networks 2009 ,		8
49	Mining probabilistic models learned by EDAs in the optimization of multi-objective problems 2009 ,		10
48	Feature subset selection from positive and unlabelled examples. <i>Pattern Recognition Letters</i> , 2009 , 30, 1027-1036	4.7	8
47	Research topics in discrete estimation of distribution algorithms based on factorizations. <i>Memetic Computing</i> , 2009 , 1, 35-54	3.4	26
46	Differential micro RNA expression in PBMC from multiple sclerosis patients. <i>PLoS ONE</i> , 2009 , 4, e6309	3.7	184
45	DYNAMIC SEARCH SPACE TRANSFORMATIONS FOR SOFTWARE TEST DATA GENERATION. <i>Computational Intelligence</i> , 2008 , 24, 23-61	2.5	6

44	Protein Folding in Simplified Models With Estimation of Distribution Algorithms. <i>IEEE Transactions on Evolutionary Computation</i> , 2008 , 12, 418-438	15.6	95
43	Inference of population structure using genetic markers and a Bayesian model averaging approach for clustering. <i>Journal of Computational Biology</i> , 2008 , 15, 207-20	1.7	5
42	Multi-Objective Learning of Multi-Dimensional Bayesian Classifiers 2008 ,		17
41	Prioritization of candidate cancer genes--an aid to oncogenomic studies. <i>Nucleic Acids Research</i> , 2008 , 36, e115	20.1	27
40	Component weighting functions for adaptive search with EDAs 2008 ,		3
39	Combining variable neighborhood search and estimation of distribution algorithms in the protein side chain placement problem. <i>Journal of Heuristics</i> , 2008 , 14, 519-547	1.9	32
38	A review of estimation of distribution algorithms in bioinformatics. <i>BioData Mining</i> , 2008 , 1, 6	4.3	46
37	Software Metrics Mining to Predict the Performance of Estimation of Distribution Algorithms in Test Data Generation. <i>Studies in Computational Intelligence</i> , 2008 , 235-254	0.8	
36	Adaptive Estimation of Distribution Algorithms. <i>Studies in Computational Intelligence</i> , 2008 , 177-197	0.8	8
35	The Impact of Exact Probabilistic Learning Algorithms in EDAs Based on Bayesian Networks. <i>Studies in Computational Intelligence</i> , 2008 , 109-139	0.8	12
34	Adding Probabilistic Dependencies to the Search of Protein Side Chain Configurations Using EDAs. <i>Lecture Notes in Computer Science</i> , 2008 , 1120-1129	0.9	2
33	Learning Bayesian classifiers from positive and unlabeled examples. <i>Pattern Recognition Letters</i> , 2007 , 28, 2375-2384	4.7	48
32	A partially supervised classification approach to dominant and recessive human disease gene prediction. <i>Computer Methods and Programs in Biomedicine</i> , 2007 , 85, 229-37	6.9	16
31	Side chain placement using estimation of distribution algorithms. <i>Artificial Intelligence in Medicine</i> , 2007 , 39, 49-63	7.4	30
30	A parallel framework for loopy belief propagation 2007 ,		10
29	Exact Bayesian network learning in estimation of distribution algorithms 2007 ,		21
28	The Role of a Priori Information in the Minimization of Contact Potentials by Means of Estimation of Distribution Algorithms 2007 , 247-257		12
27	Discriminative vs. Generative Learning of Bayesian Network Classifiers. <i>Lecture Notes in Computer Science</i> , 2007 , 453-464	0.9	3

26	Parallel EDAs to create multivariate calibration models for quantitative chemical applications. <i>Journal of Parallel and Distributed Computing</i> , 2006 , 66, 1002-1013	4.4	13
25	Scatter Search in software testing, comparison and collaboration with Estimation of Distribution Algorithms. <i>European Journal of Operational Research</i> , 2006 , 169, 392-412	5.6	38
24	IMPLEMENTATION AND PERFORMANCE EVALUATION OF A PARALLELIZATION OF ESTIMATION OF BAYESIAN NETWORK ALGORITHMS. <i>Parallel Processing Letters</i> , 2006 , 16, 133-148	0.3	3
23	Machine learning in bioinformatics. <i>Briefings in Bioinformatics</i> , 2006 , 7, 86-112	13.4	484
22	Bayesian model averaging of naive Bayes for clustering. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2006 , 36, 1149-61		20
21	Mixtures of Kikuchi Approximations. <i>Lecture Notes in Computer Science</i> , 2006 , 365-376	0.9	9
20	Parallel implementation of EDAs based on probabilistic graphical models. <i>IEEE Transactions on Evolutionary Computation</i> , 2005 , 9, 406-423	15.6	37
19	Discriminative Learning of Bayesian Network Classifiers via the TM Algorithm. <i>Lecture Notes in Computer Science</i> , 2005 , 148-160	0.9	4
18	ON THE PERFORMANCE OF ESTIMATION OF DISTRIBUTION ALGORITHMS APPLIED TO SOFTWARE TESTING. <i>Applied Artificial Intelligence</i> , 2005 , 19, 457-489	2.3	22
17	Globally multimodal problem optimization via an estimation of distribution algorithm based on unsupervised learning of Bayesian networks. <i>Evolutionary Computation</i> , 2005 , 13, 43-66	4.3	33
16	VR-Mirror: A Virtual Reality System for Mental Practice in Post-Stroke Rehabilitation. <i>Lecture Notes in Computer Science</i> , 2005 , 241-251	0.9	10
15	UNSUPERVISED LEARNING OF BAYESIAN NETWORKS VIA ESTIMATION OF DISTRIBUTION ALGORITHMS: AN APPLICATION TO GENE EXPRESSION DATA CLUSTERING. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2004 , 12, 63-82	0.8	19
14	Protein Folding in 2-Dimensional Lattices with Estimation of Distribution Algorithms. <i>Lecture Notes in Computer Science</i> , 2004 , 388-398	0.9	12
13	Variable search space for software testing 2003 ,		1
12	Mathematical modelling of UMDAc algorithm with tournament selection. Behaviour on linear and quadratic functions. <i>International Journal of Approximate Reasoning</i> , 2002 , 31, 313-340	3.6	51
11	Learning Recursive Bayesian Multinets for Data Clustering by Means of Constructive Induction. <i>Machine Learning</i> , 2002 , 47, 63-89	4	24
10	Estimation of Distribution Algorithms. <i>Genetic Algorithms and Evolutionary Computation</i> , 2002 ,		731
9	Performance evaluation of compromise conditional Gaussian networks for data clustering. <i>International Journal of Approximate Reasoning</i> , 2001 , 28, 23-50	3.6	5

8	Dimensionality reduction in unsupervised learning of conditional Gaussian networks. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2001 , 23, 590-603	13.3	32
7	An improved Bayesian structural EM algorithm for learning Bayesian networks for clustering. <i>Pattern Recognition Letters</i> , 2000 , 21, 779-786	4.7	35
6	Learning Bayesian networks for clustering by means of constructive induction. <i>Pattern Recognition Letters</i> , 1999 , 20, 1219-1230	4.7	21
5	Applying genetic algorithms to search for the best hierarchical clustering of a dataset. <i>Pattern Recognition Letters</i> , 1999 , 20, 911-918	4.7	32
4	An empirical comparison of four initialization methods for the K-Means algorithm. <i>Pattern Recognition Letters</i> , 1999 , 20, 1027-1040	4.7	49 ²
3	Representing the behaviour of supervised classification learning algorithms by Bayesian networks. <i>Pattern Recognition Letters</i> , 1999 , 20, 1201-1209	4.7	9
2	Convergence Properties of High-order Boltzmann Machines. <i>Neural Networks</i> , 1996 , 9, 1561-1567	9.1	2
1	Delineation of site-specific management zones using estimation of distribution algorithms. <i>International Transactions in Operational Research</i> ,	2.9	1