Andre de Carvalho

List of Publications by Citations

339 papers	5,214 citations	33 h-index	60 g-index
429 ext. papers	6,449 ext. citations	3.3 avg, IF	6.16 L-index

#	Paper	IF	Citations
339	A Survey of Evolutionary Algorithms for Clustering. *IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews*, **2009**, 39, 133-155		449
338	Data stream clustering. *ACM Computing Surveys*, **2013**, 46, 1-31	13.4	262
337	A review on the combination of binary classifiers in multiclass problems. *Artificial Intelligence Review*, **2008**, 30, 19-37	9.7	176
336	A Survey of Evolutionary Algorithms for Decision-Tree Induction. *IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews*, **2012**, 42, 291-312		170
335	Artificial Taste Sensor: Efficient Combination of Sensors Made from Langmuir–Blodgett Films of Conducting Polymers and a Ruthenium Complex and Self-Assembled Films of an Azobenzene-Containing Polymer. *Langmuir*, **2002**, 18, 239-245	4	141
334	Wine classification by taste sensors made from ultra-thin films and using neural networks. *Sensors and Actuators B: Chemical*, **2004**, 98, 77-82	8.5	116
333	Spectral methods for graph clustering – A survey. *European Journal of Operational Research*, **2011**, 211, 221-231	5.6	109
332	Deep learning for biological image classification. *Expert Systems With Applications*, **2017**, 85, 114-122	7.8	102
331	Main chain representation for evolutionary algorithms applied to distribution system reconfiguration. *IEEE Transactions on Power Systems*, **2005**, 20, 425-436	7	101
330	Evolutionary tuning of SVM parameter values in multiclass problems. *Neurocomputing*, **2008**, 71, 3326-3334		96
329	An adaptive approach for UAV-based pesticide spraying in dynamic environments. *Computers and Electronics in Agriculture*, **2017**, 138, 210-223	6.5	80
328	Combining meta-learning and search techniques to select parameters for support vector machines. *Neurocomputing*, **2012**, 75, 3-13	5.4	77
327	Comparing machine learning classifiers in potential distribution modelling. *Expert Systems With Applications*, **2011**, 38, 5268-5275	7.8	77
326	Effect of label noise in the complexity of classification problems. *Neurocomputing*, **2015**, 160, 108-119	5.4	74
325	Efficiency issues of evolutionary k-means. *Applied Soft Computing Journal*, **2011**, 11, 1938-1952	7.5	72
324	Predicting glass transition temperatures using neural networks. *Acta Materialia*, **2018**, 159, 249-256	8.4	70
323	Hierarchical multi-label classification using local neural networks. *Journal of Computer and System Sciences*, **2014**, 80, 39-56	1	58

304	Novelty detection with application to data streams. *Intelligent Data Analysis*, **2009**, 13, 405-422	1.1	31
303	Multi-objective clustering ensemble for gene expression data analysis. *Neurocomputing*, **2009**, 72, 2763-2774	3.7	31
302	Automatic Design of Decision-Tree Induction Algorithms. *SpringerBriefs in Computer Science*, **2015**,	0.4	30
301	Hyper-Parameter Tuning of a Decision Tree Induction Algorithm **2016**,		30
300	Lexicographic multi-objective evolutionary induction of decision trees. *International Journal of Bio-Inspired Computation*, **2009**, 1, 105	2.9	29
299	Building binary-tree-based multiclass classifiers using separability measures. *Neurocomputing*, **2010**, 73, 2837-2845	5.4	29
298	Automatic design of decision-tree algorithms with evolutionary algorithms. *Evolutionary Computation*, **2013**, 21, 659-84	4.3	28
297	Multi-Objective Clustering Ensemble **2006**,		28
296	Explainable Machine Learning Algorithms For Predicting Glass Transition Temperatures. *Acta Materialia*, **2020**, 188, 92-100	8.4	27
295	Ensemble of Classifiers Based on Multiobjective Genetic Sampling for Imbalanced Data. *IEEE Transactions on Knowledge and Data Engineering*, **2020**, 32, 1104-1115	4.2	27
294	Multi-objective clustering ensemble. *International Journal of Hybrid Intelligent Systems*, **2007**, 4, 145-156	0.9	26
293	COVID-19 Mortality Underreporting in Brazil: Analysis of Data From Government Internet Portals. *Journal of Medical Internet Research*, **2020**, 22, e21413	7.6	26
292	Protein cellular localization prediction with Support Vector Machines and Decision Trees. *Computers in Biology and Medicine*, **2007**, 37, 115-25	7	25
291	Multiclass SVM Model Selection Using Particle Swarm Optimization **2006**,		25
290	Noise detection in the meta-learning level. *Neurocomputing*, **2016**, 176, 14-25	5.4	24
289	Novelty detection algorithm for data streams multi-class problems **2013**,		24
288	Selection of algorithms to solve traveling salesman problems using meta-learning1. *International Journal of Hybrid Intelligent Systems*, **2011**, 8, 117-128	0.9	24
287	A hybrid case adaptation approach for case-based reasoning. *Applied Intelligence*, **2008**, 28, 101-119	4.9	24

286	A Projection Pursuit framework for supervised dimension reduction of high dimensional small sample datasets. *Neurocomputing*, **2015**, 149, 767-776	5.4	23
285	Pre-processing for noise detection in gene expression classification data. *Journal of the Brazilian Computer Society*, **2009**, 15, 3-11	1.9	23
284	Evolutionary Radial Basis Functions for Credit Assessment. *Applied Intelligence*, **2005**, 22, 167-181	4.9	23
283	A new data characterization for selecting clustering algorithms using meta-learning. *Information Sciences*, **2019**, 477, 203-219	7.7	23
282	Applying One-Sided Selection to Unbalanced Datasets. *Lecture Notes in Computer Science*, **2000**, 315-325	0.9	23
281	A meta-learning recommender system for hyperparameter tuning: Predicting when tuning improves SVM classifiers. *Information Sciences*, **2019**, 501, 193-221	7.7	22
280	A hybrid meta-learning architecture for multi-objective optimization of SVM parameters. *Neurocomputing*, **2014**, 143, 27-43	5.4	22
279	Using the One-vs-One decomposition to improve the performance of class noise filters via an aggregation strategy in multi-class classification problems. *Knowledge-Based Systems*, **2015**, 90, 153-164	7.3	21
278	Evaluation of noise reduction techniques in the splice junction recognition problem. *Genetics and Molecular Biology*, **2004**, 27, 665-672	2	21
277	Evolutionary inversion of class distribution in overlapping areas for multi-class imbalanced learning. *Information Sciences*, **2019**, 494, 141-154	7.7	20
276	Filter Feature Selection for One-Class Classification. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2015**, 80, 227-243	2.9	20
275	Ensembles of label noise filters: a ranking approach. *Data Mining and Knowledge Discovery*, **2016**, 30, 1192-1216	5.6	20
274	Software effort prediction **2013**,		20
273	A genetic algorithm for Hierarchical Multi-Label Classification **2012**,		20
272	Strict Very Fast Decision Tree: A memory conservative algorithm for data stream mining. *Pattern Recognition Letters*, **2018**, 116, 22-28	4.7	20
271	A hyper-heuristic evolutionary algorithm for automatically designing decision-tree algorithms **2012**,		19
270	Node-Depth Encoding for Evolutionary Algorithms Applied to Network Design. *Lecture Notes in Computer Science*, **2004**, 678-687	0.9	19
269	Combining Intelligent Techniques for Sensor Fusion. *Applied Intelligence*, **2004**, 20, 199-213	4.9	19

250	Evolving decision trees with beam search-based initialization and lexicographic multi-objective evaluation. *Information Sciences*, **2014**, 258, 160-181	7.7	13
249	Reconstructing commuters network using machine learning and urban indicators. *Scientific Reports*, **2019**, 9, 11801	4.9	12
248	Adapting non-hierarchical multilabel classification methods for hierarchical multilabel classification. *Intelligent Data Analysis*, **2011**, 15, 861-887	1.1	12
247	Quality indices for (practical) clustering evaluation. *Intelligent Data Analysis*, **2009**, 13, 725-740	1.1	12
246	Towards the automatic design of decision tree induction algorithms **2011**,		12
245	LEGAL-tree **2009**,		12
244	Support vector machines applied to white blood cell recognition **2005**,		12
243	Online adaptive decision trees based on concentration inequalities. *Knowledge-Based Systems*, **2016**, 104, 179-194	7.3	12
242	**2018**,		12
241	CRISPRcasIdentifier: Machine learning for accurate identification and classification of CRISPR-Cas systems. *GigaScience*, **2020**, 9,	7.6	11
240	A meta-learning approach for selecting image segmentation algorithm. *Pattern Recognition Letters*, **2019**, 128, 480-487	4.7	11
239	Comparing Methods for Multilabel Classification of Proteins Using Machine Learning Techniques. *Lecture Notes in Computer Science*, **2009**, 109-120	0.9	11
238	Empirical investigation of active learning strategies. *Neurocomputing*, **2019**, 326-327, 15-27	5.4	11
237	Data Complexity Measures for Imbalanced Classification Tasks **2018**,		11
236	Support vector machines for novel class detection in Bioinformatics. *Genetics and Molecular Research*, **2005**, 4, 608-15	1.2	11
235	Inducing Hierarchical Multi-label Classification rules with Genetic Algorithms. *Applied Soft Computing Journal*, **2019**, 77, 584-604	7.5	10
234	A Meta-learning approach for recommending the number of clusters for clustering algorithms. *Knowledge-Based Systems*, **2020**, 195, 105682	7.3	10
233	Online behavior change detection in computer games. *Expert Systems With Applications*, **2013**, 40, 6258-6265	7.5	10

232	A graph clustering algorithm based on a clustering coefficient for ́weighted graphs. *Journal of the Brazilian Computer Society*, **2011**, 17, 19-29	1.9	10
231	Top-Down Hierarchical Ensembles of Classifiers for Predicting G-Protein-Coupled-Receptor Functions. *Lecture Notes in Computer Science*, **2008**, 35-46	0.9	10
230	Enhanced template update: Application to keystroke dynamics. *Computers and Security*, **2016**, 60, 134-153	3.9	10
229	Adaptive approaches for keystroke dynamics **2015**,		9
228	Adaptive Algorithms in Accelerometer Biometrics **2014**,		9
227	A dynamical model with adaptive pixel moving for microarray images segmentation. *Real Time Imaging*, **2004**, 10, 189-195		9
226	Minimum Spanning Trees in Hierarchical Multiclass Support Vector Machines Generation. *Lecture Notes in Computer Science*, **2005**, 422-431	0.9	9
225	Combining RBF Networks Trained by Different Clustering Techniques. *Neural Processing Letters*, **2001**, 14, 227-240	2.4	9
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223	Adaptive Biometric Systems using Ensembles. *IEEE Intelligent Systems*, **2018**, 33, 19-28	4.2	8
222	Multi-objective optimization for plant germplasm collection conservation of genetic resources based on molecular variability. *Tree Genetics and Genomes*, **2015**, 11, 1	2.1	8
221	A bottom-up oblique decision tree induction algorithm **2011**,		8
220	Hierarchical multi-label classification for protein function prediction: A local approach based on neural networks **2011**,		8
219	Meta-learning approach to gene expression data classification. *International Journal of Intelligent Computing and Cybernetics*, **2009**, 2, 285-303	2.2	8
218	Partitions selection strategy for set of clustering solutions. *Neurocomputing*, **2010**, 73, 2809-2819	5.4	8
217	Special Issue on VIII Brazilian Symposium on Neural Networks. *International Journal of Hybrid Intelligent Systems*, **2007**, 4, 1-2	0.9	8
216	Automatic knowledge learning and case adaptation with a hybrid committee approach. *Journal of Applied Logic*, **2006**, 4, 26-38		8
215	Uma Introdução ̀s Support Vector Machines. *Revista De Informatica Teorica E Aplicada*, **2007**, 14, 43-67	1.7	8

214	Selecting Collaborative Filtering Algorithms Using Metalearning. *Lecture Notes in Computer Science*, **2016**, 393-409	0.9	8
213	Detection of a SARS-CoV-2 sequence with genosensors using data analysis based on information visualization and machine learning techniques. *Materials Chemistry Frontiers*, **2021**, 5, 5658-5670	7.8	8
212	Adaptive Biometric Systems. *ACM Computing Surveys*, **2019**, 52, 1-38	13.4	7
211	Machine learning meets genome assembly. *Briefings in Bioinformatics*, **2019**, 20, 2116-2129	13.4	7
210	Meta-Learning for Periodic Algorithm Selection in Time-Changing Data **2012**,		7
209	Combining a multi-objective optimization approach with meta-learning for SVM parameter selection **2012**,		7
208	Evaluation Methodology for Multiclass Novelty Detection Algorithms **2013**,		7
207	A comprehensive comparison of ML algorithms for gene expression data classification **2010**,		7
206	Bio-inspired Optimization Techniques for SVM Parameter Tuning **2008**,		7
205	A Strategy for the Selection of Solutions of the Pareto Front Approximation in Multi-objective Clustering Approaches **2008**,		7
204	Use of gene dependent mutation probability in evolutionary neural networks for non-stationary problems. *Neurocomputing*, **2006**, 70, 44-54	5.4	7
203	A network of coupled chaotic maps for adaptive multi-scale image segmentation. *International Journal of Neural Systems*, **2003**, 13, 129-37	6.2	7
202	The utiml Package: Multi-label Classification in R. *R Journal*, **2019**, 10, 24	3.3	7
201	Multi-Objective Clustering Ensemble with Prior Knowledge. *Lecture Notes in Computer Science*, **2007**, 34-45	0.9	7
200	Assessing the data complexity of imbalanced datasets. *Information Sciences*, **2021**, 553, 83-109	7.7	7
199	Adaptive Positive Selection for Keystroke Dynamics. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2015**, 80, 277-293	2.9	6
198	An empirical analysis of binary transformation strategies and base algorithms for multi-label learning. *Machine Learning*, **2020**, 109, 1509-1563	4	6
197	Hierarchical Multilabel Classification Using Top-Down Label Combination and Artificial Neural Networks **2010**,		6

178	THE DIMENSION OF ECOCs FOR MULTICLASS CLASSIFICATION PROBLEMS. *International Journal on Artificial Intelligence Tools*, **2008**, 17, 433-447	0.9	5
177	A new approach for multi-label classification based on default hierarchies and organizational learning **2008**,		5
176	Data clustering based on complex network community detection **2008**,		5
175	The Brazilian Symposium on Neural Networks (SBRN04). *Neurocomputing*, **2006**, 70, 1-2	5.4	5
174	Combining One-Class Classifiers for Robust Novelty Detection in Gene Expression Data. *Lecture Notes in Computer Science*, **2005**, 54-64	0.9	5
173	Comparing Techniques for Multiclass Classification Using Binary SVM Predictors. *Lecture Notes in Computer Science*, **2004**, 272-281	0.9	5
172	Evolutionary optimization of RBF networks. *International Journal of Neural Systems*, **2001**, 11, 287-94	6.2	5
171			5
170	The influence of clustering techniques in the RBF networks generalization **1999**,		5
169	A Hybrid Case Based Reasoning Approach for Monitoring Water Quality. *Lecture Notes in Computer Science*, **2004**, 492-501	0.9	5
168	Evolutionary Fuzzy Clustering: An Overview and Efficiency Issues. *Studies in Computational Intelligence*, **2009**, 167-195	0.8	5
167	Noisy Data Set Identification. *Lecture Notes in Computer Science*, **2013**, 629-638	0.9	5
166	Probabilistic Clustering for Hierarchical Multi-Label Classification of Protein Functions. *Lecture Notes in Computer Science*, **2013**, 385-400	0.9	5
165	Characterizing the Impact of Social Inequality on COVID-19 Propagation in Developing Countries. *IEEE Access*, **2020**, 8, 172563-172580	3.5	5
164	Automatic learning of pre-miRNAs from different species. *BMC Bioinformatics*, **2016**, 17, 224	3.6	5
163	**2018**,		5
162	CF4CF **2018**,		5
161	Anomaly Detection in Sequential Data: Principles and Case Studies **2019**, 1-14		4

160	Investigating fitness functions for a hyper-heuristic evolutionary algorithm in the context of balanced and imbalanced data classification. *Genetic Programming and Evolvable Machines*, **2015**, 16, 241-281	2	4
159	An online adaptive classifier ensemble for mining non-stationary data streams. *Intelligent Data Analysis*, **2018**, 22, 787-806	1.1	4
158	A grammatical evolution algorithm for generation of Hierarchical Multi-Label Classification rules **2013**,		4
157	Score normalization applied to adaptive biometric systems. *Computers and Security*, **2017**, 70, 565-580	4.9	4
156	Ensemble of Adaptive Algorithms for Keystroke Dynamics **2015**,		4
155	An evolutionary sampling approach for classification with imbalanced data **2015**,		4
154	Unsupervised density-based behavior change detection in data streams. *Intelligent Data Analysis*, **2014**, 18, 181-201	1.1	4
153	Evolving relational hierarchical classification rules for predicting gene ontology-based protein functions **2014**,		4
152	Combining Meta-Learning with Multi-objective Particle Swarm Algorithms for SVM Parameter Selection: An Experimental Analysis **2012**,		4
151	Predicting execution time of machine learning tasks using metalearning **2011**,		4
150	New top-down methods using SVMs for Hierarchical Multilabel Classification problems **2010**,		4
149	Improving the offline clustering stage of data stream algorithms in scenarios with variable number of clusters **2012**,		4
148	Evolutionary neural networks applied to keystroke dynamics: Genetic and immune based **2012**,		4
147	Hybrid classification algorithms based on boosting and support vector machines. *Kybernetes*, **2008**, 37, 1469-1491	2	4
146	Multiclass SVM Design and Parameter Selection with Genetic Algorithms **2006**,		4
145	Hybrid Approaches for Case Retrieval and Adaptation. *Lecture Notes in Computer Science*, **2003**, 297-311	0.9	4
144	Gene Selection Using Genetic Algorithms. *Lecture Notes in Computer Science*, **2004**, 479-490	0.9	4
143	Pixel clustering by adaptive pixel moving and chaotic synchronization. *IEEE Transactions on Neural Networks*, **2004**, 15, 1176-85		4

124	Foundations of Computational, IntelligenceVolume 6. *Studies in Computational Intelligence*, **2009**,	0.8	3
123	Recognition of vehicles silhouette using combination of classifiers		3
122	Evaluation of neural classifiers using statistic methods for identification of laryngeal pathologies		3
121	Protein Cellular Localization with Multiclass Support Vector Machines and Decision Trees. *Lecture Notes in Computer Science*, **2005**, 42-53	0.9	3
120	An Hybrid GA/SVM Approach for Multiclass Classification with Directed Acyclic Graphs. *Lecture Notes in Computer Science*, **2004**, 366-375	0.9	3
119	Genetic algorithms applied to hydrothermal system scheduling		3
118	Looking for exceptions on knowledge rules induced from HIV cleavage data set. *Genetics and Molecular Biology*, **2004**, 27, 637-643	2	3
117	Estratġias para a Combinaɔ de Classificadores Binɨios em Soluɕes Multiclasses. *Revista De Informatica Teorica E Aplicada*, **2008**, 15, 65-86	1.7	3
116	Multi-objective optimization in systematic conservation planning and the representation of genetic variability among populations. *Genetics and Molecular Research*, **2015**, 14, 6744-61	1.2	3
115	Human Splice Site Identification with Multiclass Support Vector Machines and Bagging. *Lecture Notes in Computer Science*, **2003**, 234-241	0.9	3
114	Cluster Ensemble and Multi-Objective Clustering Methods **2008**, 325-343		3
113	Online Clustering for Novelty Detection and Concept Drift in Data Streams. *Lecture Notes in Computer Science*, **2019**, 448-459	0.9	3
112	Effects of Random Sampling on SVM Hyper-parameter Tuning. *Advances in Intelligent Systems and Computing*, **2017**, 268-278	0.4	3
111	Ensembles of Pre-processing Techniques for Noise Detection in Gene Expression Data. *Lecture Notes in Computer Science*, **2009**, 486-493	0.9	3
110	Empirical Evaluation of Ranking Prediction Methods for Gene Expression Data Classification. *Lecture Notes in Computer Science*, **2010**, 194-203	0.9	3
109	Boosting meta-learning with simulated data complexity measures. *Intelligent Data Analysis*, **2020**, 24, 1011-1028	1.1	3
108	An intelligent and generic approach for detecting human emotions: a case study with facial expressions. *Soft Computing*, **2020**, 24, 8467-8479	3.5	3
107	DropLeaf: A precision farming smartphone tool for real-time quantification of pesticide application coverage. *Computers and Electronics in Agriculture*, **2021**, 180, 105906	6.5	3

106	Making Data Stream Classification Tree-Based Ensembles Lighter **2018**,		3
105	A Cluster-Based Prototype Reduction for Online Classification. *Lecture Notes in Computer Science*, **2018**, 603-610	0.9	3
104	Multi-label Feature Selection Techniques for Hierarchical Multi-label Protein Function Prediction **2018**,		3
103	Micro-MetaStream: Algorithm selection for time-changing data. *Information Sciences*, **2021**, 565, 262-277	7.7	3
102	evolutionary Design of Code-matrices for Multiclass Problems **2008**, 153-184		3
101	Enhancing multilabel classification for food truck recommendation. *Expert Systems*, **2018**, 35, e12304	2.1	2
100	International Joint Conference SOCO⸿13-CISIS⸿13-ICEUTE⸿13. *Advances in Intelligent Systems and Computing*, **2014**,	0.4	2
99	Hybrid Artificial Intelligence Systems. *Lecture Notes in Computer Science*, **2014**,	0.9	2
98	Adapting Noise Filters for Ranking **2015**,		2
97	Distributed Computing and Artificial Intelligence. *Advances in Intelligent and Soft Computing*, **2010**,		2
96	A clustering-based decision tree induction algorithm **2011**,		2
95	EVALUATION FUNCTIONS FOR THE EVOLUTIONARY DESIGN OF MULTICLASS SUPPORT VECTOR MACHINES. *International Journal of Computational Intelligence and Applications*, **2009**, 08, 53-68	1.2	2
94	Combining Boolean Neural Architectures for Image Recognition. *Connection Science*, **1997**, 9, 405-418	2.8	2
93	Bio-Inspired Parameter Tunning of MLP Networks for Gene Expression Analysis **2008**,		2
92	Tree Decomposition of Multiclass Problems **2008**,		2
91	Classification of Ophthalmologic Images Using an Ensemble of Classifiers. *Lecture Notes in Computer Science*, **2005**, 380-389	0.9	2
90	AN APPROACH TO EXPLAIN NEURAL NETWORKS USING SYMBOLIC ALGORITHMS. *International Journal of Computational Intelligence and Applications*, **2002**, 02, 365-376	1.2	2
89	A study of cross-validation and bootstrap as objective functions for genetic algorithms		2

88	The influence of noisy patterns on the performance of learning methods in the splice junction recognition problem		2
87	Distribution system reconfiguration using graph chain representation		2
86	Computerized classification of breast lesions: shape and texture analysis using an artificial neural network **1999**,		2
85	Simulating Complexity Measures on Imbalanced Datasets. *Lecture Notes in Computer Science*, **2020**, 498-513		2
84	Feature Extraction Approaches for Biological Sequences: A Comparative Study of Mathematical Models		2
83	Exploiting Evolution on UAV Control Rules for Spraying Pesticides on Crop Fields. *Communications in Computer and Information Science*, **2014**, 49-58	0.3	2
82	Investigation of Strategies for the Generation of Multiclass Support Vector Machines. *Studies in Computational Intelligence*, **2008**, 319-328	0.8	2
81	Casboundary: automated definition of integral Cas cassettes. *Bioinformatics*, **2021**, 37, 1352-1359	7.2	2
80	Bioinspired Parameter Tuning of MLP Networks for Gene Expression Analysis: Quality of Fitness Estimates vs. Number of Solutions Analysed. *Lecture Notes in Computer Science*, **2009**, 252-259	0.9	2
79	Credit Risk Assessment and Data Mining **2009**, 800-805		2
78	An extensive experimental evaluation of automated machine learning methods for recommending classification algorithms. *Evolutionary Intelligence*, **2020**, 1	1.7	2
77	Unsupervised Meta-Learning for Clustering Algorithm Recommendation **2019**,		2
76	Selecting the Most Relevant Features for the Identification of Long Non-Coding RNAs in Plants **2019**,		2
75	A Study on Hyperparameter Configuration for Human Activity Recognition. *Advances in Intelligent Systems and Computing*, **2020**, 47-56	0.4	2
74	Predicting and interpreting oxide glass properties by machine learning using large datasets. *Ceramics International*, **2021**, 47, 23958-23972	5.1	2
73	Credit Assessment Using Evolutionary MLP Networks. *Advances in Computational Management Science*, **1998**, 365-371		2
72	UlyssesNER-Br: A Corpus of Brazilian Legislative Documents for Named Entity Recognition. *Lecture Notes in Computer Science*, **2022**, 3-14	0.9	2
71	Experimental correlation analysis of bicluster coherence measures and gene ontology information. *Applied Soft Computing Journal*, **2019**, 85, 105688	7.5	1

70	Transmission of wireless neural signals through a 0.18 µm CMOS low-power amplifier. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2015**, 2015, 5094-7	0.9	1
69	Multi-objective optimization applied to systematic conservation planning and spatial conservation priorities under climate change **2014**,		1
68	Comparison of Active Learning Strategies and Proposal of a Multiclass Hypothesis Space Search. *Lecture Notes in Computer Science*, **2014**, 618-629	0.9	1
67	Quantifying Features Using False Nearest Neighbors: An Unsupervised Approach **2011**,		1
66	The multi-label OCS with a genetic algorithm for rule discovery **2009**,		1
65	A hybrid heuristic for the k-medoids clustering problem **2012**,		1
64	Metalearning for Gene Expression Data Classification **2008**,		1
63	Development of a dressing monitoring system through artificial intelligence and acoustic maps for high performance grinding. *International Journal of Manufacturing Technology and Management*, **2007**, 12, 171	0.4	1
62	A Hybrid Case Based Reasoning Approach for Wine Classification **2007**,		1
61	Applying Case Based Based Reasoning to Sensor Fusion **2007**,		1
60	Applying text mining and machine learning techniques to gene clusters analysis		1
59	Evaluation of the Contents of Partitions Obtained with Clustering Gene Expression Data. *Lecture Notes in Computer Science*, **2005**, 65-76	0.9	1
58	Hybrid Genetic Algorithm Applied to the Determination of the Optimal Operation of Hydrothermal Systems **2006**,		1
57	Aplicaĉ de algoritmos genticos na determinaĉ da operaĉ tima de sistemas hidrotⁱmicos de potⁱcia. *Controle and Automacao*, **2006**, 17, 81-88		1
56	Evaluation of gene selection metrics for tumor cell classification. *Genetics and Molecular Biology*, **2004**, 27, 651-657	2	1
55	Machine learning techniques for ocular errors analysis		1
54	CLASSIFIER COMBINATION APPLIED FOR UNDERSTANDING OF EYES IMAGES. *International Journal of Computational Intelligence and Applications*, **2005**, 05, 393-405	1.2	1
53	A fast algorithm for generation of forests: application to distribution system reconfiguration		1

52	Artificial neural network applied to power system protection		1
51	Combining Mutation and Gene Network Data in a Machine Learning Approach for False-Positive Cancer Driver Gene Discovery. *Lecture Notes in Computer Science*, **2020**, 81-92	0.9	1
50	Using meta-learning for multi-target regression. *Information Sciences*, **2022**, 584, 665-684	7.7	1
49	MathPIP: Classification of Proinflammatory Peptides Using Mathematical Descriptors. *Lecture Notes in Computer Science*, **2021**, 131-136	0.9	1
48	Evaluating Clustering Meta-features for Classifier Recommendation. *Lecture Notes in Computer Science*, **2021**, 453-467	0.9	1
47	Credit Card Users' Data Mining **2005**, 603-605		1
46	A Tutorial on Hierarchical Classification with Applications in Bioinformatics **2008**, 114-140		1
45	2CS: Correlation-Guided Split Candidate Selection in Hoeffding Tree Regressors. *Lecture Notes in Computer Science*, **2020**, 337-351	0.9	1
44	Improving the AHT in Telecommunication Companies by Automatic Modeling of Call Center Service. *Lecture Notes in Computer Science*, **2019**, 96-107	0.9	1
43	Ensemble Clustering for Novelty Detection in Data Streams. *Lecture Notes in Computer Science*, **2019**, 460-470	0.9	1
42	HEAD-DT: Automatic Design of Decision-Tree Algorithms. *SpringerBriefs in Computer Science*, **2015**, 59-76	0.4	1
41	Evolutionary Algorithms and Hyper-Heuristics. *SpringerBriefs in Computer Science*, **2015**, 47-58	0.4	1
40	A Beam Search Based Decision Tree Induction Algorithm **2012**, 357-370		1
39	Using dynamical quantization to perform split attempts in online tree regressors. *Pattern Recognition Letters*, **2021**, 145, 37-42	4.7	1
38	DualRadviz: Preserving Context between Classification Evaluation and Data Exploration with RadViz **2016**,		1
37	A non-negative matrix factorization approach to update communities in temporal networks using node features **2019**,		1
36	The Influence of Sampling on Imbalanced Data Classification **2019**,		1
35	Evaluate Pseudo Labeling and CNN for Multi-variate Time Series Classification in Low-Data Regimes. *Lecture Notes in Computer Science*, **2021**, 126-137	0.9	1

#	Publication		
34	A Study of the Correlation of Metafeatures Used for Metalearning. *Lecture Notes in Computer Science*, **2021**, 471-483	0.9	1
33	Unsupervised Domain Adaptation for Human Activity Recognition. *Lecture Notes in Computer Science*, **2018**, 623-630	0.9	1
32	Extracting Knowledge from Artificial Neural Networks: An Empirical Comparison of Trepan and Symbolic Learning Algorithms. *Lecture Notes in Computer Science*, **2002**, 272-281	0.9	1
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