André Coelho

List of Publications by Year
in descending order

70 papers	**816** citations
623734 **14** h-index	552781 **26** g-index
75 all docs	**75** docs citations
75 times ranked	**854** citing authors

#	Article	IF	Citations
1	Data clustering via cooperative games: A novel approach and comparative study. Information Sciences, 2021, 545, 791-812.	6.9	6
2	Eliciting Correlated Weights for Multi-Criteria Group Decision Making with Generalized Canonical Correlation Analysis. Symmetry, 2020, 12, 1612.	2.2	0
3	Automatic identification of epileptic EEG signals through binary magnetic optimization algorithms. Neural Computing and Applications, 2019, 31, 1317-1329.	5.6	15
4	Clustering ensembles: A hedonic game theoretical approach. Pattern Recognition, 2018, 81, 95-111.	8.1	12
5	A Multi-objective Metaheuristic Approach to Search-Based Stress Testing. , 2017, , .		1
6	Enhancing perceptrons with contrastive biclusters. Electronics Letters, 2016, 52, 1974-1976.	1.0	1
7	Improving stress search based testing using a hybrid metaheuristic approach. , 2016, , .		1
8	Multiâ€label metaâ€learning approach for the automatic configuration of classifier ensembles. Electronics Letters, 2016, 52, 1688-1690.	1.0	3
9	Classification of electromyography signals using relevance vector machines and fractal dimension. Neural Computing and Applications, 2016, 27, 791-804.	5.6	13
10	An evolutionary sampling approach for classification with imbalanced data. , 2015, , .		5
11	A biclustering approach for classification with mislabeled data. Expert Systems With Applications, 2015, 42, 5065-5075.	7.6	8
12	Use of Shapley value for selecting centres in RBF neural regressors. Electronics Letters, 2014, 50, 919-921.	1.0	2
13	An Empirical Analysis of Meta-learning for the Automatic Choice of Architecture and Components in Ensemble Systems. , 2014, , .		4
14	EEG signal classification for epilepsy diagnosis via optimum path forest â€" A systematic assessment. Neurocomputing, 2014, 136, 103-123.	5.9	86
15	Assessing fractal dimension methods as feature extractors for EMG signal classification. Engineering Applications of Artificial Intelligence, 2014, 36, 81-98.	8.1	42
16	Integrating complementary techniques for promoting diversity in classifier ensembles: A systematic study. Neurocomputing, 2014, 138, 347-357.	5.9	46
17	On query processing in wireless sensor networks using classes of quality of queries. Information Fusion, 2014, 15, 44-55.	19.1	10
18	A Comparison of External Clustering Evaluation Indices in the Context of Imbalanced Data Sets. , 2012, , .		25

#	Article	IF	Citations
19	Towards Aid by Generate and Solve Methodology: Application in the Problem of Coverage and Connectivity in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2012, 8, 790459.	2.2	5
20	On ensembles of biclusters generated by NichePSO. , 2011, , .		1
21	Visually inspecting the search behavior of Harmony Search and its variants with Viz3D. , 2011, , .		1
22	Combining different ways to generate diversity in bagging models: An evolutionary approach. , 2011, , .		10
23	Visual object tracking by an evolutionary self-organizing neural network. Journal of Intelligent and Fuzzy Systems, 2011, 22, 69-81.	1.4	8
24	Multi-objective design of hierarchical consensus functions for clustering ensembles via genetic programming. Decision Support Systems, 2011, 51, 794-809.	5.9	17
25	Kernel machines for epilepsy diagnosis via EEG signal classification: A comparative study. Artificial Intelligence in Medicine, 2011, 53, 83-95.	6.5	57
26	On the concept of density control and its application to a hybrid optimization framework: Investigation into cutting problems. Computers and Industrial Engineering, 2011, 61, 463-472.	6.3	17
27	Genetic and ranking-based selection of components for multilabel classifier ensembles. , 2011, , .		1
28	Mining Coherent Biclusters with Fish School Search. Lecture Notes in Computer Science, 2011, , 573-582.	1.3	0
29	On the evolutionary design of heterogeneous Bagging models. Neurocomputing, 2010, 73, 3319-3322.	5.9	23
30	Inducing multi-objective clustering ensembles with genetic programming. Neurocomputing, 2010, 74, 494-498.	5.9	14
31	Tackling EEG signal classification with least squares support vector machines: A sensitivity analysis study. Computers in Biology and Medicine, 2010, 40, 705-714.	7.0	56
32	Dealing with application requirements and energy consumption in wireless sensor networks. , 2010, , .		0
33	Tackling the biclustering problem with cooperative coevolutionary algorithms. , 2010, , .		0
34	The Impact of the Prototype Selection on a Multicriteria Decision Aid Classification Algorithm. , 2010, , 379-382.		5
35	Selecting prototypes for two multicriteria classification methods: A comparative study. , 2009, , .		1
36	Ensembling Heterogeneous Learning Models with Boosting. Lecture Notes in Computer Science, 2009, , 512-519.	1.3	8

#	Article	IF	Citations
37	A bio-inspired crime simulation model. Decision Support Systems, 2009, 48, 282-292.	5.9	21
38	Pattern classification with mixtures of weighted least-squares support vector machine experts. Neural Computing and Applications, 2009, 18, 843-860.	5.6	4
39	Automatic EEG signal classification for epilepsy diagnosis with Relevance Vector Machines. Expert Systems With Applications, 2009, 36, 10054-10059.	7.6	62
40	Comparison of two prototype-based multicriteria classification methods. , 2009, , .		4
41	Towards the Early Diagnosis of Alzheimer's Disease via a Multicriteria Classification Model. Lecture Notes in Computer Science, 2009, , 393-406.	1.3	17
42	Comparison of Two MCDA Classification Methods over the Diagnosis of Alzheimer's Disease. Lecture Notes in Computer Science, 2009, , 334-341.	1.3	8
43	Genetic Versus Nearest-Neighbor Imputation of Missing Attribute Values for RBF Networks. Lecture Notes in Computer Science, 2009, , 276-283.	1.3	2
44	Directly Optimizing Topology-Preserving Maps with Evolutionary Algorithms. Lecture Notes in Computer Science, 2009, , 1180-1187.	1.3	1
45	On Self-Organizing Feature Map (SOFM) Formation by Direct Optimization Through a Genetic Algorithm. , 2008, , .		7
46	Dynamically tuning the population size in particle swarm optimization. , 2008, , .		7
47	Simulating Crime Against Properties Using Swarm Intelligence and Social Networks. , 2008, , 300-318.		7
48	A crime simulation model based on social networks and swarm intelligence. , 2007, , .		5
49	Analysis of Sensitivity to the Kernel Parameter Choice: Comparing the Performance Profiles Exhibited by Standard andLeast-Squares SVM Classifiers. , 2007, , .		1
50	Hybridizing mixtures of experts with support vector machines: Investigation into nonlinear dynamic systems identification. Information Sciences, 2007, 177, 2049-2074.	6.9	47
51	Tackling the Container Loading Problem: A Hybrid Approach Based on Integer Linear Programming and Genetic Algorithms. Lecture Notes in Computer Science, 2007, , 154-165.	1.3	20
52	An Evolutionary Framework for Nonlinear Time-Series Prediction with Adaptive Gated Mixtures of Experts. , 2007, , 114-138.		0
53	Analysis of Sensitivity to the Kernel Parameter Choice: Comparing the Performance Profiles Exhibited by Standard andLeast-Squares SVM Classifiers. , 2007, , .		0
54	Controlling Nonlinear Dynamic Systems with Projection Pursuit Learning. , 2006, , .		0

#	Article	IF	Citations
55	GAPatrol: An Evolutionary Multiagent Approach for the Automatic Definition of Hotspots and Patrol Routes. Lecture Notes in Computer Science, 2006, , 118-127.	1.3	8
56	On the Fuzzy Spatio-temporal Specification of Multimedia Synchronisation Scenarios. , 2004, , 53-60.		0
57	Embedding Support Vector Machines into Localised Mixtures of Experts. , 2004, , 155-162.		0
58	A Multiagent-Based Constructive Approach for Feedforward Neural Networks. Lecture Notes in Computer Science, 2003, , 462-473.	1.3	0
59	Evolving coordination strategies in simulated robot soccer. , 2001, , .		3
60	Emergence of multiagent spatial coordination strategies through artificial coevolution. Computers and Graphics, 2001, 25, 1013-1023.	2.5	3
61	A CORBA-based distributed multimedia database management layer: design and implementation aspects. , 0, , .		1
62	On the cooperation of fuzzy neural networks via a coevolutionary approach. , 0, , .		1
63	Using fuzzy Petri nets to coordinate collaborative activities. , 0, , .		6
64	Fuzzy systems design via ensembles of ANFIS. , 0, , .		7
65	Ensembles of support vector machines for regression problems. , 0, , .		3
66	Devising adaptive migration policies for cooperative distributed genetic algorithms. , 0, , .		15
67	Mixture of experts applied to nonlinear dynamic systems identification: a comparative study. , 0, , .		4
68	Hybrid genetic training of gated mixtures of experts for nonlinear time series forecasting. , 0, , .		2
69	GA-based selection of components for heterogeneous ensembles of support vector machines. , 0, , .		3
70	Simulating Crime Against Properties Using Swarm Intelligence and Social Networks. , 0, , 1142-1159.		0