

# AndrÃ© Coelho

## List of Publications by Year in descending order

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70  
papers

816  
citations

623574

14  
h-index

552653

26  
g-index

75  
all docs

75  
docs citations

75  
times ranked

854  
citing authors

#	ARTICLE	IF	CITATIONS
1	EEG signal classification for epilepsy diagnosis via optimum path forest – A systematic assessment. <i>Neurocomputing</i> , 2014, 136, 103-123.	3.5	86
2	Automatic EEG signal classification for epilepsy diagnosis with Relevance Vector Machines. <i>Expert Systems With Applications</i> , 2009, 36, 10054-10059.	4.4	62
3	Kernel machines for epilepsy diagnosis via EEG signal classification: A comparative study. <i>Artificial Intelligence in Medicine</i> , 2011, 53, 83-95.	3.8	57
4	Tackling EEG signal classification with least squares support vector machines: A sensitivity analysis study. <i>Computers in Biology and Medicine</i> , 2010, 40, 705-714.	3.9	56
5	Hybridizing mixtures of experts with support vector machines: Investigation into nonlinear dynamic systems identification. <i>Information Sciences</i> , 2007, 177, 2049-2074.	4.0	47
6	Integrating complementary techniques for promoting diversity in classifier ensembles: A systematic study. <i>Neurocomputing</i> , 2014, 138, 347-357.	3.5	46
7	Assessing fractal dimension methods as feature extractors for EMG signal classification. <i>Engineering Applications of Artificial Intelligence</i> , 2014, 36, 81-98.	4.3	42
8	A Comparison of External Clustering Evaluation Indices in the Context of Imbalanced Data Sets. , 2012, , ,		25
9	On the evolutionary design of heterogeneous Bagging models. <i>Neurocomputing</i> , 2010, 73, 3319-3322.	3.5	23
10	A bio-inspired crime simulation model. <i>Decision Support Systems</i> , 2009, 48, 282-292.	3.5	21
11	Tackling the Container Loading Problem: A Hybrid Approach Based on Integer Linear Programming and Genetic Algorithms. <i>Lecture Notes in Computer Science</i> , 2007, , 154-165.	1.0	20
12	Multi-objective design of hierarchical consensus functions for clustering ensembles via genetic programming. <i>Decision Support Systems</i> , 2011, 51, 794-809.	3.5	17
13	On the concept of density control and its application to a hybrid optimization framework: Investigation into cutting problems. <i>Computers and Industrial Engineering</i> , 2011, 61, 463-472.	3.4	17
14	Towards the Early Diagnosis of Alzheimer’s Disease via a Multicriteria Classification Model. <i>Lecture Notes in Computer Science</i> , 2009, , 393-406.	1.0	17
15	Devising adaptive migration policies for cooperative distributed genetic algorithms. , 0, , .		15
16	Automatic identification of epileptic EEG signals through binary magnetic optimization algorithms. <i>Neural Computing and Applications</i> , 2019, 31, 1317-1329.	3.2	15
17	Inducing multi-objective clustering ensembles with genetic programming. <i>Neurocomputing</i> , 2010, 74, 494-498.	3.5	14
18	Classification of electromyography signals using relevance vector machines and fractal dimension. <i>Neural Computing and Applications</i> , 2016, 27, 791-804.	3.2	13

#	ARTICLE	IF	CITATIONS
19	Clustering ensembles: A hedonic game theoretical approach. <i>Pattern Recognition</i> , 2018, 81, 95-111.	5.1	12
20	Combining different ways to generate diversity in bagging models: An evolutionary approach. , 2011, , .		10
21	On query processing in wireless sensor networks using classes of quality of queries. <i>Information Fusion</i> , 2014, 15, 44-55.	11.7	10
22	Ensembling Heterogeneous Learning Models with Boosting. <i>Lecture Notes in Computer Science</i> , 2009, , 512-519.	1.0	8
23	Visual object tracking by an evolutionary self-organizing neural network. <i>Journal of Intelligent and Fuzzy Systems</i> , 2011, 22, 69-81.	0.8	8
24	A biclustering approach for classification with mislabeled data. <i>Expert Systems With Applications</i> , 2015, 42, 5065-5075.	4.4	8
25	GAPatrol: An Evolutionary Multiagent Approach for the Automatic Definition of Hotspots and Patrol Routes. <i>Lecture Notes in Computer Science</i> , 2006, , 118-127.	1.0	8
26	Comparison of Two MCDA Classification Methods over the Diagnosis of Alzheimer's Disease. <i>Lecture Notes in Computer Science</i> , 2009, , 334-341.	1.0	8
27	Fuzzy systems design via ensembles of ANFIS. , 0, , .		7
28	On Self-Organizing Feature Map (SOFM) Formation by Direct Optimization Through a Genetic Algorithm. , 2008, , .		7
29	Dynamically tuning the population size in particle swarm optimization. , 2008, , .		7
30	Simulating Crime Against Properties Using Swarm Intelligence and Social Networks. , 2008, , 300-318.		7
31	Using fuzzy Petri nets to coordinate collaborative activities. , 0, , .		6
32	Data clustering via cooperative games: A novel approach and comparative study. <i>Information Sciences</i> , 2021, 545, 791-812.	4.0	6
33	A crime simulation model based on social networks and swarm intelligence. , 2007, , .		5
34	An evolutionary sampling approach for classification with imbalanced data. , 2015, , .		5
35	Towards Aid by Generate and Solve Methodology: Application in the Problem of Coverage and Connectivity in Wireless Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , 2012, 8, 790459.	1.3	5
36	The Impact of the Prototype Selection on a Multicriteria Decision Aid Classification Algorithm. , 2010, , 379-382.		5

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37	Mixture of experts applied to nonlinear dynamic systems identification: a comparative study. , 0, , .		4
38	Pattern classification with mixtures of weighted least-squares support vector machine experts. Neural Computing and Applications, 2009, 18, 843-860.	3.2	4
39	Comparison of two prototype-based multicriteria classification methods. , 2009, , .		4
40	An Empirical Analysis of Meta-learning for the Automatic Choice of Architecture and Components in Ensemble Systems. , 2014, , .		4
41	Evolving coordination strategies in simulated robot soccer. , 2001, , .		3
42	Emergence of multiagent spatial coordination strategies through artificial coevolution. Computers and Graphics, 2001, 25, 1013-1023.	1.4	3
43	Ensembles of support vector machines for regression problems. , 0, , .		3
44	GA-based selection of components for heterogeneous ensembles of support vector machines. , 0, , .		3
45	Multi-label meta-learning approach for the automatic configuration of classifier ensembles. Electronics Letters, 2016, 52, 1688-1690.	0.5	3
46	Hybrid genetic training of gated mixtures of experts for nonlinear time series forecasting. , 0, , .		2
47	Use of Shapley value for selecting centres in RBF neural regressors. Electronics Letters, 2014, 50, 919-921.	0.5	2
48	Genetic Versus Nearest-Neighbor Imputation of Missing Attribute Values for RBF Networks. Lecture Notes in Computer Science, 2009, , 276-283.	1.0	2
49	A CORBA-based distributed multimedia database management layer: design and implementation aspects. , 0, , .		1
50	On the cooperation of fuzzy neural networks via a coevolutionary approach. , 0, , .		1
51	Analysis of Sensitivity to the Kernel Parameter Choice: Comparing the Performance Profiles Exhibited by Standard and Least-Squares SVM Classifiers. , 2007, , .		1
52	Selecting prototypes for two multicriteria classification methods: A comparative study. , 2009, , .		1
53	On ensembles of biclusters generated by NichePSO. , 2011, , .		1
54	Visually inspecting the search behavior of Harmony Search and its variants with Viz3D. , 2011, , .		1

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55	Genetic and ranking-based selection of components for multilabel classifier ensembles. , 2011, , .		1
56	Enhancing perceptrons with contrastive biclusters. Electronics Letters, 2016, 52, 1974-1976.	0.5	1
57	Improving stress search based testing using a hybrid metaheuristic approach. , 2016, , .		1
58	A Multi-objective Metaheuristic Approach to Search-Based Stress Testing. , 2017, , .		1
59	Directly Optimizing Topology-Preserving Maps with Evolutionary Algorithms. Lecture Notes in Computer Science, 2009, , 1180-1187.	1.0	1
60	Controlling Nonlinear Dynamic Systems with Projection Pursuit Learning. , 2006, , .		0
61	Dealing with application requirements and energy consumption in wireless sensor networks. , 2010, , .		0
62	Tackling the biclustering problem with cooperative coevolutionary algorithms. , 2010, , .		0
63	Eliciting Correlated Weights for Multi-Criteria Group Decision Making with Generalized Canonical Correlation Analysis. Symmetry, 2020, 12, 1612.	1.1	0
64	A Multiagent-Based Constructive Approach for Feedforward Neural Networks. Lecture Notes in Computer Science, 2003, , 462-473.	1.0	0
65	On the Fuzzy Spatio-temporal Specification of Multimedia Synchronisation Scenarios. , 2004, , 53-60.		0
66	Embedding Support Vector Machines into Localised Mixtures of Experts. , 2004, , 155-162.		0
67	An Evolutionary Framework for Nonlinear Time-Series Prediction with Adaptive Gated Mixtures of Experts. , 2007, , 114-138.		0
68	Mining Coherent Biclusters with Fish School Search. Lecture Notes in Computer Science, 2011, , 573-582.	1.0	0
69	Simulating Crime Against Properties Using Swarm Intelligence and Social Networks. , 0, , 1142-1159.		0
70	Analysis of Sensitivity to the Kernel Parameter Choice: Comparing the Performance Profiles Exhibited by Standard and Least-Squares SVM Classifiers. , 2007, , .		0