Juan Carlos FernÃ¡ndez Caballero

List of Publications by Year
in descending order

36 papers	2,715 citations	759055 12 h-index	642610 23 g-index
40 all docs	40 docs citations	40 times ranked	5128 citing authors

#	Article	IF	Citations
1	KEEL: a software tool to assess evolutionary algorithms for data mining problems. Soft Computing, 2009, 13, 307-318.	2.1	1,165
2	Multiobjective evolutionary algorithms to identify highly autocorrelated areas: the case of spatial distribution inÂfinancially compromised farms. Annals of Operations Research, 2014, 219, 187-202.	2.6	1,031
3	Sensitivity Versus Accuracy in Multiclass Problems Using Memetic Pareto Evolutionary Neural Networks. IEEE Transactions on Neural Networks, 2010, 21, 750-770.	4.8	139
4	Predicting patient survival after liver transplantation using evolutionary multi-objective artificial neural networks. Artificial Intelligence in Medicine, 2013, 58, 37-49.	3.8	59
5	Significant wave height and energy flux range forecast with machine learning classifiers. Engineering Applications of Artificial Intelligence, 2015, 43, 44-53.	4.3	55
6	Combined projection and kernel basis functions for classification in evolutionary neural networks. Neurocomputing, 2009, 72, 2731-2742.	3.5	46
7	Memetic Pareto Evolutionary Artificial Neural Networks to determine growth/no-growth in predictive microbiology. Applied Soft Computing Journal, 2011, 11, 534-550.	4.1	25
8	Multi-objective evolutionary algorithm for donorâ€“recipient decision system in liver transplants. European Journal of Operational Research, 2012, 222, 317-327.	3.5	24
9	Memetic pareto differential evolutionary artificial neural networks to determine growth multi-classes in predictive microbiology. Evolutionary Intelligence, 2010, 3, 187-199.	2.3	22
10	Efficient fog prediction with multi-objective evolutionary neural networks. Applied Soft Computing Journal, 2018, 70, 347-358.	4.1	22
11	Optimal Microgrid Topology Design and Siting of Distributed Generation Sources Using a Multi-Objective Substrate Layer Coral Reefs Optimization Algorithm. Sustainability, 2019, 11, 169.	1.6	17
12	Hyperbolic Tangent Basis Function Neural Networks Training by Hybrid Evolutionary Programming for Accurate Short-Term Wind Speed Prediction. , 2009, , .		13
13	Multi-objective evolutionary optimization using the relationship between F1 and accuracy metrics in classification tasks. Applied Intelligence, 2019, 49, 3447-3463.	3.3	12
14	On the suitability of Extreme Learning Machine for gene classification using feature selection. , 2010, , .		11
15	Detection and prediction of segments containing extreme significant wave heights. Ocean Engineering, 2017, 142, 268-279.	1.9	10
16	Evolutionary learning by a sensitivity-accuracy approach for multi-class problems. , 2008, , .		9
17	Sensitivity versus accuracy in ensemble models of Artificial Neural Networks from Multi-objective Evolutionary Algorithms. Neural Computing and Applications, 2018, 30, 289-305.	3.2	9
18	Building Suitable Datasets for Soft Computing and Machine Learning Techniques from Meteorological Data Integration: A Case Study for Predicting Significant Wave Height and Energy Flux. Energies, 2021, 14, 468.	1.6	9

#	Article	IF	Citations
19	Using machine learning methods to determine a typology of patients with HIV-HCV infection to be treated with antivirals. PLoS ONE, 2020, 15, e0227188.	1.1	4
20	Feature Selection for Hybrid Neuro-Logistic Regression Applied to Classification of Remote Sensed Data. , 2008, , .		3
21	Memetic Pareto Evolutionary Artificial Neural Networks for the Determination of Growth Limits of Listeria Monocytogenes. , 2008, , .		3
22	Prediction of convective clouds formation using evolutionary neural computation techniques. Neural Computing and Applications, 2020, 32, 13917-13929.	3.2	3
23	Ensemble determination using the TOPSIS decision support system in multi-objective evolutionary neural network classifiers. , 2010, , .		2
24	Memetic evolutionary multi-objective neural network classifier to predict graft survival in liver transplant patients. , 2011, , .		2
25	Learning Artificial Neural Networks multiclassifiers by evolutionary multiobjective differential evolution guided by statistical distributions. , 2010, , .		1
26	Selecting the best artificial neural network model from a multi-objective Differential Evolution Pareto front. , 2011, , .		1
27	Hybrid Multilogistic Regression by Means of Evolutionary Radial Basis Functions: Application to Precision Agriculture. Lecture Notes in Computer Science, 2009, , 244-251.	1.0	1
28	Hybrid Pareto Differential Evolutionary Artificial Neural Networks to Determined Growth Multi-classes in Predictive Microbiology. Lecture Notes in Computer Science, 2010, , 646-655.	1.0	1
29	Multiobjective Pareto Ordinal Classification for Predictive Microbiology. Advances in Intelligent Systems and Computing, 2013, , 153-162.	0.5	1
30	Energy Flux Range Classification by Using a Dynamic Window Autoregressive Model. Lecture Notes in Computer Science, 2015, , 92-102.	1.0	1
31	MultiLogistic Regression using Initial and Radial Basis Function covariates. , 2009, , .		0
32	Design of Artificial Neural Networks Using a Memetic Pareto Evolutionary Algorithm Using as Objectives Entropy versus Variation Coefficient. , 2009, , .		0
33	Hybrid Multi-objective Machine Learning Classification in Liver Transplantation. Lecture Notes in Computer Science, 2012, , 397-408.	1.0	0
34	Hybridization of neural network models for the prediction of Extreme Significant Wave Height segments. , 2016, , .		0
35	Evolutionary Combining of Basis Function Neural Networks for Classification. Lecture Notes in Computer Science, 2007, , 447-456.	1.0	0
36	Potenciando el perfil profesional CientÃfico de Datos mediante dinÃ¡micas de competiciÃ³n. Revista De InnovaciÃ³n Y Buenas PrÃ¡cticas Docentes, 2021, 10, 101-116.	0.1	0