MarÃ-a MartÃ-nez Ballesteros

List of Publications by Year
in descending order

23 papers	410 citations	687363 13 h-index	752698 20 g-index
24 all docs	24 docs citations	24 times ranked	382 citing authors

#	Article	IF	Citations
1	A novel approach to discover numerical association based on the coronavirus optimization algorithm. , 2022, , .		0
2	Autoencoded DNA methylation data to predict breast cancer recurrence: Machine learning models and gene-weight significance. Artificial Intelligence in Medicine, 2020, 110, 101976.	6.5	27
3	Analysis of the Evolution of the Spanish Labour Market Through Unsupervised Learning. IEEE Access, 2019, 7, 121695-121708.	4.2	6
4	External clustering validity index based on chi-squared statistical test. Information Sciences, 2019, 487, 1-17.	6.9	26
5	MRQAR: A generic MapReduce framework to discover quantitative association rules in big data problems. Knowledge-Based Systems, 2018, 153, 176-192.	7.1	35
6	An approach to validity indices for clustering techniques in Big Data. Progress in Artificial Intelligence, 2018, 7, 81-94.	2.4	19
7	A study of the suitability of autoencoders for preprocessing data in breast cancer experimentation. Journal of Biomedical Informatics, 2017, 72, 33-44.	4.3	15
8	Machine learning techniques to discover genes with potential prognosis role in Alzheimerâ€™s disease using different biological sources. Information Fusion, 2017, 36, 114-129.	19.1	22
9	Applications of Computational Intelligence in Time Series. Computational Intelligence and Neuroscience, 2017, 2017, 1-2.	1.7	1
10	A Nearest Neighbours-Based Algorithm for Big Time Series Data Forecasting. Lecture Notes in Computer Science, 2016, , 174-185.	1.3	20
11	Improving a multi-objective evolutionary algorithm to discover quantitative association rules. Knowledge and Information Systems, 2016, 49, 481-509.	3.2	15
12	Obtaining optimal quality measures for quantitative association rules. Neurocomputing, 2016, 176, 36-47.	5.9	11
13	Enhancing the scalability of a genetic algorithm to discover quantitative association rules in large-scale datasets. Integrated Computer-Aided Engineering, 2015, 22, 21-39.	4.6	31
14	Discovering gene association networks by multi-objective evolutionary quantitative association rules. Journal of Computer and System Sciences, 2014, 80, 118-136.	1.2	25
15	Selecting the best measures to discover quantitative association rules. Neurocomputing, 2014, 126, 3-14.	5.9	32
16	A Sensitivity Analysis for Quality Measures of Quantitative Association Rules. Lecture Notes in Computer Science, 2013, , 578-587.	1.3	2
17	Inferring gene-gene associations from Quantitative Association Rules. , 2011, , .		6
18	On the use of algorithms to discover motifs in DNA sequences. , 2011, , .		0

#	Article	IF	Citations
19	Evolutionary association rules for total ozone content modeling from satellite observations. Chemometrics and Intelligent Laboratory Systems, 2011, 109, 217-227.	3.5	12
20	An evolutionary algorithm to discover quantitative association rules in multidimensional time series. Soft Computing, 2011, 15, 2065-2084.	3.6	42
21	Analysis of Measures of Quantitative Association Rules. Lecture Notes in Computer Science, 2011, , 319-326.	1.3	7
22	Mining quantitative association rules based on evolutionary computation and its application to atmospheric pollution. Integrated Computer-Aided Engineering, 2010, 17, 227-242.	4.6	49
23	Quantitative Association Rules Applied to Climatological Time Series Forecasting. Lecture Notes in Computer Science, 2009, , 284-291.	1.3	6