Pedro Gonzalez

List of Publications by Year
in descending order

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Version: 2024-02-01

35 papers	867 citations	759233 12 h-index	677142 22 g-index
35 all docs	35 docs citations	35 times ranked	580 citing authors

#	Article	IF	Citations
1	An overview on subgroup discovery: foundations and applications. Knowledge and Information Systems, 2011, 29, 495-525.	3.2	229
2	NMEEF-SD: Non-dominated Multiobjective Evolutionary Algorithm for Extracting Fuzzy Rules in Subgroup Discovery. IEEE Transactions on Fuzzy Systems, 2010, 18, 958-970.	9.8	102
3	Evolutionary Fuzzy Rule Induction Process for Subgroup Discovery: A Case Study in Marketing. IEEE Transactions on Fuzzy Systems, 2007, 15, 578-592.	9.8	81
4	Evolutionary algorithms for subgroup discovery in e-learning: A practical application using Moodle data. Expert Systems With Applications, 2009, 36, 1632-1644.	7.6	80
5	Evolutionary fuzzy rule extraction for subgroup discovery in a psychiatric emergency department. Soft Computing, 2011, 15, 2435-2448.	3.6	50
6	A fuzzy genetic programming-based algorithm for subgroup discovery and the application to one problem of pathogenesis of acute sore throat conditions in humans. Information Sciences, 2015, 298, 180-197.	6.9	40
7	On the discovery of association rules by means of evolutionary algorithms. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2011, 1, 397-415.	6.8	35
8	MEFASD-BD: Multi-objective evolutionary fuzzy algorithm for subgroup discovery in big data environments - A MapReduce solution. Knowledge-Based Systems, 2017, 117, 70-78.	7.1	33
9	Overview on evolutionary subgroup discovery: analysis of the suitability and potential of the search performed by evolutionary algorithms. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2014, 4, 87-103.	6.8	32
10	Multiobjective Evolutionary Induction of Subgroup Discovery Fuzzy Rules: A Case Study in Marketing. Lecture Notes in Computer Science, 2006, , 337-349.	1.3	31
11	Multiobjective Genetic Algorithm for Extracting Subgroup Discovery Fuzzy Rules. , 2007, , .		30
12	MEFES: An evolutionary proposal for the detection of exceptions in subgroup discovery. An application to Concentrating Photovoltaic Technology. Knowledge-Based Systems, 2013, 54, 73-85.	7.1	18
13	MOEA-EFEP: Multi-Objective Evolutionary Algorithm for Extracting Fuzzy Emerging Patterns. IEEE Transactions on Fuzzy Systems, 2018, 26, 2861-2872.	9.8	16
14	Evolutionary algorithms for subgroup discovery applied to e-learning data. , 2010, , .		15
15	Non-dominated Multi-objective Evolutionary Algorithm Based on Fuzzy Rules Extraction for Subgroup Discovery. Lecture Notes in Computer Science, 2009, , 573-580.	1.3	10
16	Subgroup discovery in an e-learning usage study based on Moodle. , 2011, , .		9
17	A Big Data Approach for the Extraction of Fuzzy Emerging Patterns. Cognitive Computation, 2019, 11, 400-417.	5.2	8
18	Genetic lateral tuning for subgroup discovery with fuzzy rules using the algorithm NMEEF-SD. International Journal of Computational Intelligence Systems, 2012, 5, 355.	2.7	7

#	Article	IF	Citations
19	An analysis of evolutionary algorithms with different types of fuzzy rules in subgroup discovery. , 2009, , .		5
20	An analysis on the use of pre-processing methods in evolutionary fuzzy systems for subgroup discovery. Expert Systems With Applications, 2012, 39, 11404-11412.	7.6	5
21	E2PAMEA: A fast evolutionary algorithm for extracting fuzzy emerging patterns in big data environments. Neurocomputing, 2020, 415, 60-73.	5.9	5
22	FEPDS: A Proposal for the Extraction of Fuzzy Emerging Patterns in Data Streams. IEEE Transactions on Fuzzy Systems, 2020, 28, 3193-3203.	9.8	5
23	A first approach to handle fuzzy emerging patterns mining on big data problems: The EvAEFP-spark algorithm. , 2017, , .		4
24	Study on the use of different quality measures within a multi-objective evolutionary algorithm approach for emerging pattern mining in big data environments. Big Data Analytics, 2019, 4, .	2.2	4
25	Subgroup Discovery with Evolutionary Fuzzy Systems in R: The SDEFSR Package. R Journal, 2016, 8, 307.	1.8	4
26	Analysis of the impact of using different diversity functions for the subgroup discovery algorithm NMEEF-SD. , 2011, , .		2
27	A preliminary study on missing data imputation in evolutionary fuzzy systems of subgroup discovery. , 2012, , .		2
28	Subgroup Discovery with Linguistic Rules. , 2008, , 411-430.		2
29	An analysis of technological frameworks for data streams. Progress in Artificial Intelligence, 2020, 9, 239-261.	2.4	1
30	A cellular-based evolutionary approach for the extraction of emerging patterns in massive data streams. Expert Systems With Applications, 2021, 183, 115419.	7.6	1
31	FuGePSD: Fuzzy Genetic Programming-based algorithm for Subgroup Discovery. , 0, , .		1
32	An evolutionary fuzzy system for the detection of exceptions in subgroup discovery. , 2013, , .		0
33	Implementation of Data Stream Classification Neural Network Models Over Big Data Platforms. Lecture Notes in Computer Science, 2021, , 272-280.	1.3	0
34	Improvement of subgroup descriptions in noisy data by detecting exceptions. Progress in Artificial Intelligence, 2018, 7, 55-64.	2.4	0
35	A Preliminary Many Objective Approach for Extracting Fuzzy Emerging Patterns. Advances in Intelligent Systems and Computing, 2021, , 100-110.	0.6	0