

MarÃ-a JosÃ© Gacto

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,412
citations

687363

13
h-index

752698

20
g-index

25
all docs

25
docs citations

25
times ranked

919
citing authors

#	ARTICLE	IF	CITATIONS
1	Interpretability of linguistic fuzzy rule-based systems: An overview of interpretability measures. <i>Information Sciences</i> , 2011, 181, 4340-4360.	6.9	428
2	Learning the membership function contexts for mining fuzzy association rules by using genetic algorithms. <i>Fuzzy Sets and Systems</i> , 2009, 160, 905-921.	2.7	154
3	Integration of an Index to Preserve the Semantic Interpretability in the Multiobjective Evolutionary Rule Selection and Tuning of Linguistic Fuzzy Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2010, 18, 515-531.	9.8	141
4	A Fast and Scalable Multiobjective Genetic Fuzzy System for Linguistic Fuzzy Modeling in High-Dimensional Regression Problems. <i>IEEE Transactions on Fuzzy Systems</i> , 2011, 19, 666-681.	9.8	139
5	Adaptation and application of multi-objective evolutionary algorithms for rule reduction and parameter tuning of fuzzy rule-based systems. <i>Soft Computing</i> , 2009, 13, 419-436.	3.6	121
6	A MULTI-OBJECTIVE GENETIC ALGORITHM FOR TUNING AND RULE SELECTION TO OBTAIN ACCURATE AND COMPACT LINGUISTIC FUZZY RULE-BASED SYSTEMS. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2007, 15, 539-557.	1.9	109
7	A multi-objective evolutionary algorithm for an effective tuning of fuzzy logic controllers in heating, ventilating and air conditioning systems. <i>Applied Intelligence</i> , 2012, 36, 330-347.	5.3	59
8	METSK-HDe: A multiobjective evolutionary algorithm to learn accurate TSK-fuzzy systems in high-dimensional and large-scale regression problems. <i>Information Sciences</i> , 2014, 276, 63-79.	6.9	59
9	Improving fuzzy logic controllers obtained by experts: a case study in HVAC systems. <i>Applied Intelligence</i> , 2009, 31, 15-30.	5.3	46
10	Rule Base Reduction and Genetic Tuning of Fuzzy Systems Based on the Linguistic 3-tuples Representation. <i>Soft Computing</i> , 2006, 11, 401-419.	3.6	45
11	Mining fuzzy association rules from low-quality data. <i>Soft Computing</i> , 2012, 16, 883-901.	3.6	16
12	Experimental Study on 164 Algorithms Available in Software Tools for Solving Standard Non-Linear Regression Problems. <i>IEEE Access</i> , 2019, 7, 108916-108939.	4.2	15
13	Temporal association rule mining: An overview considering the time variable as an integral or implied component. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2020, 10, e1367.	6.8	13
14	A Multi-Objective Evolutionary Algorithm for Rule Selection and Tuning on Fuzzy Rule-Based Systems. <i>IEEE International Conference on Fuzzy Systems</i> , 2007, , .	0.0	10
15	Comparison and design of interpretable linguistic vs. scatter FRBSs: Gm3m generalization and new rule meaning index for global assessment and local pseudo-linguistic representation. <i>Information Sciences</i> , 2014, 282, 190-213.	6.9	10
16	An Internet of Things and Fuzzy Markup Language Based Approach to Prevent the Risk of Falling Object Accidents in the Execution Phase of Construction Projects. <i>Sensors</i> , 2021, 21, 6461.	3.8	10
17	Automatic Laser Pointer Detection Algorithm for Environment Control Device Systems Based on Template Matching and Genetic Tuning of Fuzzy Rule-Based Systems. <i>International Journal of Computational Intelligence Systems</i> , 2012, 5, 368-386.	2.7	8
18	Genetic lateral tuning for subgroup discovery with fuzzy rules using the algorithm NMEEF-SD. <i>International Journal of Computational Intelligence Systems</i> , 2012, 5, 355.	2.7	7

#	ARTICLE	IF	CITATIONS
19	Evolutionary Multi-Objective Algorithm to effectively improve the performance of the classic tuning of fuzzy logic controllers for a heating, ventilating and Air Conditioning system. , 2011, , .		5
20	Evolutionary data mining and applications: A revision on the most cited papers from the last 10 years (2007â€“2017). Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2018, 8, e1239.	6.8	5
21	Handling High-Dimensional Regression Problems by Means of an Efficient Multi-Objective Evolutionary Algorithm. , 2009, , .		4
22	Transparent but Accurate Evolutionary Regression Combining New Linguistic Fuzzy Grammar and a Novel Interpretable Linear Extension. International Journal of Fuzzy Systems, 2022, 24, 3082-3103.	4.0	4
23	Obtaining accurate TSK Fuzzy Rule-Based Systems by Multi-Objective Evolutionary Learning in high-dimensional regression problems. , 2013, , .		2
24	Meta-Fuzzy Items for Fuzzy Association Rules. , 2021, , .		2
25	Analysis of the Performance of a Semantic Interpretability-Based Tuning and Rule Selection of Fuzzy Rule-Based Systems by Means of a Multi-Objective Evolutionary Algorithm. Lecture Notes in Computer Science, 2010, , 228-238.	1.3	0