

# 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	Transparent but Accurate Evolutionary Regression Combining New Linguistic Fuzzy Grammar and a Novel Interpretable Linear Extension. <i>International Journal of Fuzzy Systems</i> , 2022, 24, 3082-3103.	4.0	4
2	Meta-Fuzzy Items for Fuzzy Association Rules. , 2021, , .		2
3	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
4	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
5	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
6	Evolutionary data mining and applications: A revision on the most cited papers from the last 10 years (2007â€“2017). <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2018, 8, e1239.	6.8	5
7	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
8	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
9	Obtaining accurate TSK Fuzzy Rule-Based Systems by Multi-Objective Evolutionary Learning in high-dimensional regression problems. , 2013, , .		2
10	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
11	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
12	Mining fuzzy association rules from low-quality data. <i>Soft Computing</i> , 2012, 16, 883-901.	3.6	16
13	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
14	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
15	Interpretability of linguistic fuzzy rule-based systems: An overview of interpretability measures. <i>Information Sciences</i> , 2011, 181, 4340-4360.	6.9	428
16	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
17	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
18	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. <i>Lecture Notes in Computer Science</i> , 2010, , 228-238.	1.3	0

#	ARTICLE	IF	CITATIONS
19	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
20	Improving fuzzy logic controllers obtained by experts: a case study in HVAC systems. <i>Applied Intelligence</i> , 2009, 31, 15-30.	5.3	46
21	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
22	Handling High-Dimensional Regression Problems by Means of an Efficient Multi-Objective Evolutionary Algorithm. , 2009, , .		4
23	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
24	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
25	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