NicolÃ¡s MarÃn Ruiz

List of Publications by Year
in descending order

68 papers	1,075 citations	516710 16 h-index	454955 30 g-index
74 all docs	74 docs citations	74 times ranked	529 citing authors

#	Article	IF	Citations
1	Fuzzy association rules: general model and applications. IEEE Transactions on Fuzzy Systems, 2003, 11, 214-225.	9.8	253
2	TBAR: An efficient method for association rule mining in relational databases. Data and Knowledge Engineering, 2001, 37, 47-64.	3.4	79
3	The Role of Information Technologies to Address Data Handling in Construction Project Management. Journal of Computing in Civil Engineering, 2016, 30, .	4.7	67
4	Complex object comparison in a fuzzy context. Information and Software Technology, 2003, 45, 431-444.	4.4	46
5	Building multi-way decision trees with numerical attributes. Information Sciences, 2004, 165, 73-90.	6.9	43
6	Fuzzy types: A new concept of type for managing vague structures. International Journal of Intelligent Systems, 2000, 15, 1061-1085.	5.7	39
7	A strategy for adding fuzzy types to an object-oriented database system. International Journal of Intelligent Systems, 2001, 16, 863-880.	5.7	36
8	Linguistic query answering on data cubes with time dimension. International Journal of Intelligent Systems, 2011, 26, 1002-1021.	5.7	29
9	Managing fuzziness on conventional object-oriented platforms. International Journal of Intelligent Systems, 2007, 22, 781-803.	5.7	27
10	pg4DB: A fuzzy object-relational system. Fuzzy Sets and Systems, 2008, 159, 1500-1514.	2.7	25
11	A GENERAL FRAMEWORK FOR COMPUTING WITH WORDS IN OBJECT-ORIENTED PROGRAMMING. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2007, 15, 111-131.	1.9	24
12	An Approach for the Automatic Classification of Work Descriptions in Construction Projects. Computer-Aided Civil and Infrastructure Engineering, 2015, 30, 919-934.	9.8	24
13	An intelligent system for the acquisition and management of information from bill of quantities in building projects. Expert Systems With Applications, 2016, 63, 284-294.	7.6	23
14	Component-based data mining frameworks. Communications of the ACM, 2002, 45, 97-100.	4.5	21
15	FUZZY INTERVALS TO REPRESENT FUZZY VALID TIME IN A TEMPORAL RELATIONAL DATABASE. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2009, 17, 173-192.	1.9	21
16	A Complexity Guided Algorithm for Association Rule Extraction on Fuzzy DataCubes. IEEE Transactions on Fuzzy Systems, 2008, 16, 693-714.	9.8	20
17	Context-Aware Fuzzy Databases. Applied Soft Computing Journal, 2014, 25, 215-233.	7.2	17
18	Linguistic Summarization of Time Series Data using Genetic Algorithms. , 2011, , .		16

#	Article	IF	Citations
19	Describing images via linguistic features and hierarchical segmentation. , 2010, , .		15
20	The Role of Graduality for Referring Expression Generation in Visual Scenes. Communications in Computer and Information Science, 2016, , 191-203.	0.5	15
21	Linguistic local change comparison of time series. , 2011, , .		12
22	Fuzzy frameworks for mining data associations: fuzzy association rules and beyond. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2016, 6, 50-69.	6.8	12
23	Using Classification Techniques for Assigning Work Descriptions to Task Groups on the Basis of Construction Vocabulary. Computer-Aided Civil and Infrastructure Engineering, 2018, 33, 966-981.	9.8	12
24	Aspects of quality evaluation in linguistic descriptions of data. , 2015, , .		11
25	A Relational Model for the Possibilistic Valid-time Approach. International Journal of Computational Intelligence Systems, 2012, 5, 1068.	2.7	10
26	Cost analysis in construction projects using fuzzy OLAP cubes. , 2015, , .		10
27	Specificity Measures and Referential Success. IEEE Transactions on Fuzzy Systems, 2018, 26, 859-868.	9.8	10
28	Enhancing Short Text Retrieval in Databases. Lecture Notes in Computer Science, 2006, , 613-624.	1.3	9
29	Fuzzy Quantification-Based Linguistic Summaries in Data Cubes with Hierarchical Fuzzy Partition of Time Dimension. Lecture Notes in Computer Science, 2009, , 578-585.	1.3	9
30	Softening the object-oriented database model: imprecision, uncertainty, and fuzzy types. , 0, , .		8
31	Using specificity to measure referential success in referring expressions with fuzzy properties. , 2016, , .		8
32	A Framework to Build Fuzzy Object-Oriented Capabilities Over an Existing Database System. , 2005, , 177-205.		8
33	A preliminary approach to classify work descriptions in construction projects. , 2013, , .		7
34	Linguistic Summary-Based Query Answering on Data Cubes with Time Dimension. Lecture Notes in Computer Science, 2009, , 560-571.	1.3	7
35	Development of applications with fuzzy objects in modern programming platforms. International Journal of Intelligent Systems, 2005, 20, 1117-1136.	5.7	6
36	Direct Integration of Government Funding and Family Support for Musculoskeletal Tumor Care in a Resource-Constrained Country. Oncology, 2009, 76, 398-404.	1.9	6

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37	Formal concept analysis for the generation of plural referring expressions. Information Sciences, 2021, 579, 717-731.	6.9	6
38	An approach to solve division-like queries in fuzzy object databases. Fuzzy Sets and Systems, 2012, 196, 47-68.	2.7	5
39	A proposal for the hierarchical segmentation of time series. Application to trend-based linguistic description. , 2014, , .		5
40	Scene selection for teaching basic visual concepts in the Refer4Learning app. , 2017, , .		5
41	Using Classical Object-Oriented Features to Build a Fuzzy O-O Database System. Studies in Fuzziness and Soft Computing, 2003, , 131-155.	0.8	5
42	Bipolar queries on fuzzy univalued and multivalued attributes in object databases. Fuzzy Sets and Systems, 2016, 292, 175-192.	2.7	4
43	Specificity measures based on fuzzy set similarity. Fuzzy Sets and Systems, 2020, 401, 189-199.	2.7	4
44	Fuzzy Domains with Adaptable Semantics in an Object-Relational DBMS. Lecture Notes in Computer Science, 2011, , 497-508.	1.3	4
45	Fuzzy types: softening structures. , 0, , .		3
46	Objects resemblance in a fuzzy object-oriented context. , 0, , .		3
47	On families of bounded specificity measures. , 2017, , .		3
48	Flexible Management of Essential Construction Tasks Using Fuzzy OLAP Cubes. , 2018, , 357-388.		3
49	Referring expression generation from images via deep learning object extraction and fuzzy graphs. , 2021, , .		3
50	Lazy Types: Automating Dynamic Strategy Selection. IEEE Software, 2005, 22, 98-106.	1.8	2
51	A Fuzzy Set-Based Approach to Temporal Databases. Lecture Notes in Computer Science, 2007, , 31-44.	1.3	2
52	Advances in intelligent databases and information systems. Fuzzy Sets and Systems, 2008, 159, 1429-1430.	2.7	2
53	Linguistic comparison of time series using the End-Point Fit algorithm. , 2015, , .		2
54	An intelligent system for cost data handling in construction projects. , 2016, , .		2

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55	An Approximation to Context-Aware Size Modeling for Referring Expression Generation. , 2018, , .		2
56	Enabling Fuzzy Object Comparison in Modern Programming Platforms through Reflection. Lecture Notes in Computer Science, 2003, , 660-667.	1.3	2
57	An Overview of Alternative Rule Evaluation Criteria and Their Use in Separate-and-Conquer Classifiers. Lecture Notes in Computer Science, 2006, , 591-600.	1.3	2
58	Fuzzy Knowledge Representation for Linguistic Description of Time Series. , 0, , .		2
59	Qualification of Fuzzy Statements Under Fuzzy Certainty. Lecture Notes in Computer Science, 2007, , 162-170.	1.3	2
60	Problems of fuzzy queries involving aggregation functions: the "select count" case. , 0, , .		1
61	Fuzzy Ridge Regression with Non Symmetric Membership Functions and Quadratic Models. , 2007, , 135-144.		1
62	An Extension of Data Description Language (DDL) for Fuzzy Data Handling. , 2001, , 54-64.		1
63	A Ubiquitous Intelligent Tutoring System for Aiding Electronic Learning. Lecture Notes in Computer Science, 2010, , 70-79.	1.3	0
64	A Methodology to Improve Object Oriented Database Systems with Fuzzy Types. Studies in Fuzziness and Soft Computing, 2002, , 391-404.	0.8	0
65	FUZZY TIME MANIPULATION IN A RELATIONAL DB. , 2008, , .		0
66	A Fuzzy Framework for Software Libraries Matching. Communications in Computer and Information Science, 2011, , 617-624.	0.5	0
67	Context-Aware Fuzzy Databases: An application. , 0, , .		0
68	Using k-Specificity for the Management of Count Restrictions in Flexible Querying. Lecture Notes in Computer Science, 2017, , 49-63.	1.3	0