

Juan Luis Castro Peñã

List of Publications by Year in descending order

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69
papers

2,187
citations

393982

19
h-index

243296

44
g-index

70
all docs

70
docs citations

70
times ranked

1623
citing authors

#	ARTICLE	IF	CITATIONS
1	Discriminatory Expressions to Improve Model Comprehensibility in Short Documents. Lecture Notes in Computer Science, 2022, , 311-322.	1.0	0
2	Similarity Fuzzy Semantic Network for Social Media Analysis. Communications in Computer and Information Science, 2022, , 557-567.	0.4	1
3	Fuzzy measures, integrals and quantification in artificial intelligence problems - An homage to Miguel Delgado. Fuzzy Sets and Systems, 2020, 401, 1-3.	1.6	0
4	FuzzyFeatureRank. Bringing order into fuzzy classifiers through fuzzy expressions. Fuzzy Sets and Systems, 2020, 401, 78-90.	1.6	2
5	A fuzzy model to enhance user profiles in microblogging sites using deep relations. Fuzzy Sets and Systems, 2020, 401, 133-149.	1.6	5
6	Snomed2Vec: Representation of SNOMED CT Terms with Word2Vec. , 2019, , .		5
7	A PageRank-Based Method to Extract Fuzzy Expressions as Features in Supervised Classification Problems. Lecture Notes in Computer Science, 2018, , 154-163.	1.0	0
8	Towards portable natural language interfaces based on case-based reasoning. Journal of Intelligent Information Systems, 2017, 49, 281-314.	2.8	1
9	A multi-agent conversational system with heterogeneous data sources access. Expert Systems With Applications, 2016, 53, 172-191.	4.4	16
10	Visualization models for Virtual Learning Environments. , 2015, , .		2
11	Virtual Tissue Engineering and Optic Pathways: Plotting the Course of the Axons in the Retinal Nerve Fiber Layer. , 2014, 55, 3107.		14
12	Learning regular expressions to template-based FAQ retrieval systems. Knowledge-Based Systems, 2013, 53, 108-128.	4.0	12
13	A cloud of FAQ: A highly-precise FAQ retrieval system for the Web 2.0. Knowledge-Based Systems, 2013, 49, 81-96.	4.0	6
14	Handling Context in Lexicon-Based Sentiment Analysis. Communications in Computer and Information Science, 2012, , 245-254.	0.4	4
15	Using Wikipedia concepts and frequency in language to extract key terms from support documents. Expert Systems With Applications, 2012, 39, 13480-13491.	4.4	8
16	FAQtory: A framework to provide high-quality FAQ retrieval systems. Expert Systems With Applications, 2012, 39, 11525-11534.	4.4	4
17	A high-performance FAQ retrieval method using minimal differentiator expressions. Knowledge-Based Systems, 2012, 36, 9-20.	4.0	11
18	A framework for designing closed domain virtual assistants. Expert Systems With Applications, 2012, 39, 3135-3144.	4.4	15

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19	A case based reasoning model for multilingual language generation in dialogues. Expert Systems With Applications, 2012, 39, 7330-7337.	4.4	10
20	An expert fuzzy system to detect dangerous circumstances due to children in the traffic areas from the video content analysis. Expert Systems With Applications, 2012, 39, 9108-9117.	4.4	3
21	Lexicon-based Comments-oriented News Sentiment Analyzer system. Expert Systems With Applications, 2012, 39, 9166-9180.	4.4	113
22	Balancing Interpretability against Accuracy in Fuzzy Modeling by Means of ACO. Communications in Computer and Information Science, 2012, , 71-80.	0.4	1
23	An expert fuzzy system for predicting object collisions. Its application for avoiding pedestrian accidents. Expert Systems With Applications, 2011, 38, 486-494.	4.4	31
24	Intelligent surveillance system with integration of heterogeneous information for intrusion detection. Expert Systems With Applications, 2011, 38, 11182-11192.	4.4	35
25	Introducing attribute risk for retrieval in case-based reasoning. Knowledge-Based Systems, 2011, 24, 257-268.	4.0	20
26	A fuzzy expert system for business management. Expert Systems With Applications, 2010, 37, 7570-7580.	4.4	29
27	Controlling the emotional state of an embodied conversational agent with a dynamic probabilistic fuzzy rules based system. Expert Systems With Applications, 2009, 36, 9698-9708.	4.4	7
28	Loss and gain functions for CBR retrieval. Information Sciences, 2009, 179, 1738-1750.	4.0	41
29	A CBR System for Knowing the Relationship between Flexibility and Operations Strategy. Lecture Notes in Computer Science, 2009, , 463-472.	1.0	4
30	Consistency measures for feature selection. Journal of Intelligent Information Systems, 2008, 30, 273-292.	2.8	77
31	Local distance-based classification. Knowledge-Based Systems, 2008, 21, 692-703.	4.0	15
32	A Tool for Training Primary Health Care Medical Students: The Virtual Simulated Patient. , 2008, , .		13
33	Improvements in the identification of interpretable fuzzy models with exceptions based on ant colony optimization. , 2008, , .		1
34	Smooth transition autoregressive models and fuzzy rule-based systems: Functional equivalence and consequences. Fuzzy Sets and Systems, 2007, 158, 2734-2745.	1.6	33
35	Extraction of fuzzy rules from support vector machines. Fuzzy Sets and Systems, 2007, 158, 2057-2077.	1.6	41
36	An Ant Colony Optimization plug-in to Enhance the Interpretability of Fuzzy Rule Bases with Exceptions. , 2007, , 436-444.		2

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37	Fuzzy Pairwise Multiclass Support Vector Machines. Lecture Notes in Computer Science, 2006, , 562-571.	1.0	1
38	Commutativity as prior knowledge in fuzzy modeling. Fuzzy Sets and Systems, 2005, 152, 565-585.	1.6	3
39	Strategies to Identify Fuzzy Rules Directly From Certainty Degrees: A Comparison and a Proposal. IEEE Transactions on Fuzzy Systems, 2004, 12, 631-640.	6.5	13
40	Learning maximal structure fuzzy rules with exceptions. Fuzzy Sets and Systems, 2004, 146, 63-77.	1.6	11
41	Fuzzy Repertory Table: A Method for Acquiring Knowledge About Input Variables to Machine Learning Algorithm. IEEE Transactions on Fuzzy Systems, 2004, 12, 123-139.	6.5	22
42	FRIwE: Fuzzy Rule Identification With Exceptions. IEEE Transactions on Fuzzy Systems, 2004, 12, 140-151.	6.5	19
43	C-FOCUS: A continuous extension of FOCUS. , 2003, , 225-232.		7
44	Interpretation of artificial neural networks by means of fuzzy rules. IEEE Transactions on Neural Networks, 2002, 13, 101-116.	4.8	106
45	Contradiction sensitive fuzzy model-based adaptive control. International Journal of Approximate Reasoning, 2002, 30, 107-129.	1.9	5
46	A new approach for the execution and adjustment of a fuzzy algorithm. Fuzzy Sets and Systems, 2001, 121, 491-503.	1.6	6
47	Use of a fuzzy machine learning technique in the knowledge acquisition process. Fuzzy Sets and Systems, 2001, 123, 307-320.	1.6	33
48	A fuzzy rule-based algorithm to train perceptrons. Fuzzy Sets and Systems, 2001, 118, 359-367.	1.6	3
49	MORSE: A general model to represent structured knowledge. International Journal of Intelligent Systems, 2000, 15, 27-43.	3.3	3
50	Neural networks with a continuous squashing function in the output are universal approximators. Neural Networks, 2000, 13, 561-563.	3.3	58
51	SEPARATE: a machine learning method based on semi-global partitions. IEEE Transactions on Neural Networks, 2000, 11, 710-720.	4.8	6
52	FUZZY GRAMMAR FOR HANDLING FUZZY ALGORITHMS. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 1999, 07, 277-286.	0.9	0
53	Learning maximal structure rules in fuzzy logic for knowledge acquisition in expert systems. Fuzzy Sets and Systems, 1999, 101, 331-342.	1.6	79
54	A heuristic in rules based systems for searching of inconsistencies. Information Sciences, 1998, 108, 135-148.	4.0	2

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55	A multivalued logic ATMS. International Journal of Intelligent Systems, 1998, 11, 185-195.	3.3	4
56	Non-monotonic fuzzy reasoning. Fuzzy Sets and Systems, 1998, 94, 217-225.	1.6	19
57	Are artificial neural networks black boxes?. IEEE Transactions on Neural Networks, 1997, 8, 1156-1164.	4.8	415
58	An inductive learning algorithm in fuzzy systems. Fuzzy Sets and Systems, 1997, 89, 193-203.	1.6	22
59	Fuzzy systems with defuzzification are universal approximators. IEEE Transactions on Systems, Man, and Cybernetics, 1996, 26, 149-152.	5.5	167
60	A generic ATMS. International Journal of Approximate Reasoning, 1996, 14, 259-280.	1.9	6
61	Conjunction and disjunction on $([0,1]^{\wedge 1/2})$. Fuzzy Sets and Systems, 1995, 72, 155-165.	1.6	25
62	Fuzzy logic controllers are universal approximators. IEEE Transactions on Systems, Man, and Cybernetics, 1995, 25, 629-635.	0.9	508
63	On consequence in approximate reasoning. Journal of Applied Non-Classical Logics, 1994, 4, 91-103.	0.4	30
64	Knowledge-based systems and fuzzy boolean programming. International Journal of Intelligent Systems, 1994, 9, 211-225.	3.3	9
65	Inducing implication relations. International Journal of Approximate Reasoning, 1994, 10, 235-250.	1.9	9
66	Research on fuzzy expert systems validation from the University of Granada. Fuzzy Sets and Systems, 1994, 65, 327.	1.6	0
67	Fuzzy logics as families of bivaluated logics. Fuzzy Sets and Systems, 1994, 64, 321-332.	1.6	6
68	A heuristic in rules-based systems. Information Sciences, 1993, 74, 97-110.	4.0	2
69	The management of the inconsistency in expert systems. Fuzzy Sets and Systems, 1993, 58, 51-57.	1.6	6