

# Joao Paulo Carvalho

## List of Publications by Year in descending order

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Version: 2024-02-01

82  
papers

1,454  
citations

567247

15  
h-index

414395

32  
g-index

86  
all docs

86  
docs citations

86  
times ranked

1171  
citing authors

#	ARTICLE	IF	CITATIONS
1	Model Order Determination: A Multi-Objective Evolutionary Neural Network Scheme. SN Computer Science, 2022, 3, 1.	3.6	0
2	Prosociality in Cyberspace: Developing Emotion and Behavioral Regulation to Decrease Aggressive Communication. Cognitive Computation, 2021, 13, 736-750.	5.2	8
3	Comparing different solutions for forecasting the energy production of a wind farm. Neural Computing and Applications, 2020, 32, 15825-15833.	5.6	10
4	FUZY: A Fuzzy $\{c\}$ -Means Analog IC Yield Optimization Using Evolutionary-Based Algorithms. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2020, 39, 1-13.	2.7	16
5	Relevance Ranking for Web Search. , 2020, , .		0
6	Creating Classification Models from Textual Descriptions of Companies Using Crunchbase. Communications in Computer and Information Science, 2020, , 695-707.	0.5	6
7	On the Implementation of Evolving Dynamic Cognitive Maps. Advances in Intelligent Systems and Computing, 2019, , 201-213.	0.6	1
8	Automatic cyberbullying detection: A systematic review. Computers in Human Behavior, 2019, 93, 333-345.	8.5	160
9	Fuzzy Fingerprints for Item-Based Collaborative Filtering. Advances in Intelligent Systems and Computing, 2018, , 419-430.	0.6	2
10	Towards Computational Fact-Checking: Is the information checkable?. , 2018, , .		2
11	FUSE (Fuzzy Similarity Measure) - A measure for determining fuzzy short text similarity using Interval Type-2 fuzzy sets. , 2018, , .		9
12	Using Fuzzy Fingerprints for Cyberbullying Detection in Social Networks. , 2018, , .		24
13	Tag-Based User Fuzzy Fingerprints for Recommender Systems. Communications in Computer and Information Science, 2018, , 748-758.	0.5	0
14	Daily prediction of ICU readmissions using feature engineering and ensemble fuzzy modeling. Expert Systems With Applications, 2017, 79, 244-253.	7.6	16
15	Application of fuzzy semantic similarity measures to event detection within tweets. , 2017, , .		5
16	Combining ratings and item descriptions in recommendation systems using fuzzy fingerprints. , 2017, , .		2
17	MISNIS: An intelligent platform for twitter topic mining. Expert Systems With Applications, 2017, 89, 374-388.	7.6	37
18	Optimization of sleep apnea detection using SpO2 and ANN. , 2017, , .		19

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19	Detecting relevant tweets in very large tweet collections: The London Riots case study. , 2017, , .		3
20	A Smart System for Twitter Corpus Collection, Management and Visualization. International Journal of Technology and Human Interaction, 2017, 13, 13-32.	0.4	3
21	Using geolocated tweets for characterization of Twitter in Portugal and the Portuguese administrative regions. Social Network Analysis and Mining, 2016, 6, 1.	2.8	6
22	Predicting ICU readmissions based on bedside medical text notes. , 2016, , .		10
23	Textual Event Detection Using Fuzzy Fingerprints. Advances in Intelligent Systems and Computing, 2015, , 825-836.	0.6	3
24	Twitter gender classification using user unstructured information. , 2015, , .		15
25	Using Unstructured Profile Information for Gender Classification of Portuguese and English Twitter Users. Communications in Computer and Information Science, 2015, , 57-64.	0.5	2
26	Text based classification of companies in CrunchBase. , 2015, , .		9
27	A knowledge-based model for evaluating the impact of gear-based management measures under Europe's new Common Fisheries Policy. ICES Journal of Marine Science, 2015, 72, 1140-1151.	2.5	5
28	Incremental dataflow execution, resource efficiency and probabilistic guarantees with Fuzzy Boolean nets. Journal of Parallel and Distributed Computing, 2015, 79-80, 52-66.	4.1	5
29	Twitter Topic Fuzzy Fingerprints. , 2014, , .		22
30	A hybrid simulated annealing approach to handle energy resource management considering an intensive use of electric vehicles. Energy, 2014, 67, 81-96.	8.8	49
31	An integrated recycling approach for GFRP pultrusion wastes: recycling and reuse assessment into new composite materials using Fuzzy Boolean Nets. Journal of Cleaner Production, 2014, 66, 420-430.	9.3	86
32	Fuzzy Boolean Nets " a nature inspired model for learning and reasoning. Fuzzy Sets and Systems, 2014, 253, 1-27.	2.7	4
33	Solutions to the Failures and Limitations of Mamdani Fuzzy Inference in Ship Navigation. IEEE Transactions on Vehicular Technology, 2014, 63, 1539-1554.	6.3	40
34	Fuzzy preprocessing of medical text annotations of intensive care units patients. , 2014, , .		4
35	Portuguese geolocated tweets. , 2014, , .		1
36	Towards Unsupervised Word Error Correction in Textual Big Data. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
37	On the semantics and the use of fuzzy cognitive maps and dynamic cognitive maps in social sciences. Fuzzy Sets and Systems, 2013, 214, 6-19.	2.7	115
38	A decision support system for ICU readmissions prevention. , 2013, , .		5
39	Introducing UWS - A fuzzy based word similarity function with good discrimination capability: Preliminary results. , 2013, , .		10
40	Towards intelligent mining of public social networks' influence in society. , 2013, , .		6
41	Comparative Evaluation of Occupancy Grid Mapping Methods Using Sonar Sensors. Lecture Notes in Computer Science, 2013, , 889-896.	1.3	1
42	A qualitative description of soil parameters variation due to a prescribed fire in Portuguese northwestern forests using Fuzzy Boolean Nets – The case study of Cabreira mountain. Geoderma, 2012, 191, 89-96.	5.1	10
43	A critical survey on the use of Fuzzy Sets in Speech and Natural Language Processing. , 2012, , .		17
44	Qualitative modelling of fishermen's behaviour in a pelagic fishery. Ecological Modelling, 2012, 228, 112-122.	2.5	17
45	Intelligent Ocean Navigation and Fuzzy-Bayesian Decision/Action Formulation. IEEE Journal of Oceanic Engineering, 2012, 37, 204-219.	3.8	91
46	On Cluster Validity for Fuzzy Clustering of Incomplete Data. Lecture Notes in Computer Science, 2012, , 612-618.	1.3	0
47	Authorship identification and author fuzzy fingerprints, 2011, , .		33
48	Prescribed burning impact on forest soil properties – A Fuzzy Boolean Nets approach. Environmental Research, 2011, 111, 199-204.	7.5	11
49	Fuzzy logic based decision making system for collision avoidance of ocean navigation under critical collision conditions. Journal of Marine Science and Technology, 2011, 16, 84-99.	2.9	146
50	Finding top-k elements in a time-sliding window. Evolving Systems, 2011, 2, 51-70.	3.9	17
51	Mamdani type fuzzy inference failures in navigation. , 2011, , .		4
52	Web user identification with fuzzy fingerprints. , 2011, , .		7
53	Mobile Phone User Identification with Fuzzy Fingerprints. , 2011, , .		3
54	Fuzzy-logic based parallel collisions avoidance decision formulation for an Ocean Navigational System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 260-265.	0.4	6

#	ARTICLE	IF	CITATIONS
55	Bayesian Network based sequential collision avoidance action execution for an Ocean Navigational System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 266-271.	0.4	11
56	Finding top-k elements in data streams. Information Sciences, 2010, 180, 4958-4974.	6.9	46
57	On the semantics and the use of Fuzzy Cognitive Maps in social sciences. , 2010, , .		26
58	Estimating Top-k Destinations in Data Streams. Lecture Notes in Computer Science, 2010, , 290-299.	1.3	2
59	Dispersion Estimates for Telecommunications Fraud. Lecture Notes in Computer Science, 2010, , 370-379.	1.3	0
60	Fuzzy modelling of prescribed burning effects on soil physical properties. , 2009, , .		0
61	Distributed Routing Path Optimization for OBS Networks Based on Ant Colony Optimization. , 2009, , .		4
62	Fuzzy modeling and simulation of purse-seine fishing skippers behavior. , 2008, , .		1
63	Issues on Dynamic Cognitive Map modelling of purse-seine fishing skippers behavior. , 2008, , .		6
64	Fuzzy Boolean Nets Based Paediatrics First Aid Diagnosis. , 2007, , .		4
65	Fuzzy Boolean Networks Learning Behaviour. , 2007, , .		1
66	Qualitative optimization of Fuzzy Causal Rule Bases using Fuzzy Boolean Nets. Fuzzy Sets and Systems, 2007, 158, 1931-1946.	2.7	29
67	An experimental methodology to quantify the spray cooling event at intermittent spray impact. International Journal of Heat and Fluid Flow, 2007, 28, 191-202.	2.4	35
68	Two-Input Fuzzy TPE Systems. , 2007, , 539-548.		2
69	Fuzzy Boolean Networks Learning Behaviour. , 2007, , .		0
70	Forest Fire Modelling using Rule-Based Fuzzy Cognitive Maps and Voronoi Based Cellular Automata. , 2006, , .		19
71	Using Rule-based Fuzzy Cognitive Maps to Model Dynamic Cell Behavior in Voronoi Based Cellular Automata. , 2006, , .		14
72	Market index prediction using fuzzy Boolean nets. , 2005, , .		5

#	ARTICLE	IF	CITATIONS
73	Automatic Implementation and Simulation of Qualitative Cognitive Maps. Lecture Notes in Computer Science, 2001, , 217-220.	1.3	1
74	Rule based fuzzy cognitive maps and fuzzy cognitive maps-a comparative study. , 0, , .		34
75	Rule based fuzzy cognitive maps-qualitative systems dynamics. , 0, , .		38
76	Automatic implementation and simulation of dynamic qualitative systems using fuzzy boolean networks and fuzzy rule-based cognitive maps. , 0, , .		1
77	Rule based fuzzy cognitive maps - expressing time in qualitative system dynamics. , 0, , .		39
78	Issues on the stability of fuzzy cognitive maps and rule-based fuzzy cognitive maps. , 0, , .		15
79	Interpolated linguistic terms: uncertainty representation in Feedback Rule Based Fuzzy Systems. , 0, , .		3
80	Qualitative modelling of an economic system using rule-based fuzzy cognitive maps. , 0, , .		19
81	One Day Ahead Stream Flow Forecasting. , 0, , .		0
82	A Case Study on Wildfire Propagation Modelling Using Evolving Rule Based Fuzzy Cognitive Maps. , 0, , .		1