

# Rami Al-Hmouz

## List of Publications by Year in descending order

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53  
papers

1,224  
citations

567144

15  
h-index

395590

33  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1163  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reducing Criteria in Multicriteria Group Decision-Making Methods Using Hierarchical Clustering Methods and Fuzzy Ontologies. <i>IEEE Transactions on Fuzzy Systems</i> , 2022, 30, 1585-1598.	6.5	5
2	Logic-Oriented Autoencoders and Granular Logic Autoencoders: Developing Interpretable Data Representation. <i>IEEE Transactions on Fuzzy Systems</i> , 2022, 30, 869-877.	6.5	11
3	Fuzzy relational representation, modeling and interpretation of temporal data. <i>Knowledge-Based Systems</i> , 2022, 244, 108548.	4.0	2
4	Reinforcing Synthetic Data for Meticulous Survival Prediction of Patients Suffering From Left Ventricular Systolic Dysfunction. <i>IEEE Access</i> , 2021, 9, 72661-72669.	2.6	6
5	Editorial on Special Issue: "Applications of Intelligent and Fuzzy Theory in Data Science". <i>International Journal of Fuzzy Systems</i> , 2021, 23, 492-493.	2.3	0
6	A novel multi-criteria group decision-making method for heterogeneous and dynamic contexts using multi-granular fuzzy linguistic modelling and consensus measures. <i>Information Fusion</i> , 2020, 53, 240-250.	11.7	79
7	Estimating incomplete information in group decision making: A framework of granular computing. <i>Applied Soft Computing Journal</i> , 2020, 86, 105930.	4.1	43
8	Data Description Through Information Granules: A Multiview Perspective. <i>International Journal of Fuzzy Systems</i> , 2020, 22, 1731-1747.	2.3	3
9	Fuzzy-Based Histogram Partitioning for Bi-Histogram Equalisation of Low Contrast Images. <i>IEEE Access</i> , 2020, 8, 11595-11614.	2.6	10
10	Enhanced Numeral Recognition for Handwritten Multi-language Numerals Using Fuzzy Set-Based Decision Mechanism. <i>International Journal of Machine Learning and Computing</i> , 2020, 10, 99-107.	0.8	8
11	Information fusion in recognition of Saudi Arabia license plates. <i>WSEAS Transactions on Systems and Control</i> , 2020, 15, 709-715.	0.5	0
12	Granular autoencoders: concepts and design. <i>Soft Computing</i> , 2019, 23, 9869-9880.	2.1	3
13	Logic-driven autoencoders. <i>Knowledge-Based Systems</i> , 2019, 183, 104874.	4.0	12
14	Quantifying dynamic time warping distance using probabilistic model in verification of dynamic signatures. <i>Soft Computing</i> , 2019, 23, 407-418.	2.1	21
15	Hierarchical System Modeling. <i>IEEE Transactions on Fuzzy Systems</i> , 2018, 26, 258-269.	6.5	17
16	Development of Multimodal Biometric Systems with Three-Way and Fuzzy Set-Based Decision Mechanisms. <i>International Journal of Fuzzy Systems</i> , 2018, 20, 128-140.	2.3	10
17	Granular description of data in a non-stationary environment. <i>Soft Computing</i> , 2018, 22, 523-540.	2.1	3
18	Granular classifiers and their design through refinement of information granules. <i>Soft Computing</i> , 2017, 21, 2745-2759.	2.1	7

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19	Soft consensus measures in group decision making using unbalanced fuzzy linguistic information. <i>Soft Computing</i> , 2017, 21, 3037-3050.	2.1	134
20	Modeling with linguistic entities and linguistic descriptors: a perspective of granular computing. <i>Soft Computing</i> , 2017, 21, 1833-1845.	2.1	8
21	Perspective-oriented data analysis through the development of information granules of order 2. <i>International Journal of Approximate Reasoning</i> , 2017, 85, 97-106.	1.9	2
22	An Overview of Image Analysis Algorithms for License Plate Recognition. <i>Organizacija</i> , 2017, 50, 285-295.	0.7	5
23	Workplace assessment by fuzzy decision tree and TOPSIS methodologies to manage the occupational safety and health performance. <i>Journal of Intelligent and Fuzzy Systems</i> , 2017, 33, 1209-1224.	0.8	7
24	Models of time series with time granulation. <i>Knowledge and Information Systems</i> , 2016, 48, 561-580.	2.1	7
25	Fuzzy decision making and consensus: Challenges. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015, 29, 1109-1118.	0.8	172
26	An Investigation of Wavelet Average Framing LPC for Noisy Speaker Identification Environment. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-10.	0.6	1
27	Hierarchical Granular Clustering: An Emergence of Information Granules of Higher Type and Higher Order. <i>IEEE Transactions on Fuzzy Systems</i> , 2015, 23, 2270-2283.	6.5	45
28	Designing granular fuzzy models: A hierarchical approach to fuzzy modeling. <i>Knowledge-Based Systems</i> , 2015, 76, 42-52.	4.0	29
29	Description and prediction of time series: A general framework of Granular Computing. <i>Expert Systems With Applications</i> , 2015, 42, 4830-4839.	4.4	52
30	Distributed proximity-based granular clustering: towards a development of global structural relationships in data. <i>Soft Computing</i> , 2015, 19, 2751-2767.	2.1	6
31	Multimodal biometrics using multiple feature representations to speaker identification system. , 2015, , .		2
32	An expansion of fuzzy information granules through successive refinements of their information content and their use to system modeling. <i>Expert Systems With Applications</i> , 2015, 42, 2985-2997.	4.4	10
33	Description and classification of granular time series. <i>Soft Computing</i> , 2015, 19, 1003-1017.	2.1	15
34	Application of Wavelet Transform for PDZ Domain Classification. <i>PLoS ONE</i> , 2015, 10, e0122873.	1.1	3
35	From data to granular data and granular classifiers. , 2014, , .		5
36	Building granular fuzzy decision support systems. <i>Knowledge-Based Systems</i> , 2014, 58, 3-10.	4.0	41

#	ARTICLE	IF	CITATIONS
37	License plate localization using a statistical analysis of Discrete Fourier Transform signal. Computers and Electrical Engineering, 2014, 40, 982-992.	3.0	15
38	A three-level classifier: Fuzzy C Means, Support Vector Machine and unique pixels for Arabic handwritten digits. , 2014, , .		4
39	Application of ECG Arrhythmia Classification by Means of Bayesian Theorem. Journal of Applied Sciences, 2014, 14, 165-170.	0.1	2
40	Speaker Identification Using Bayesian Algorithm. Trends in Applied Sciences Research, 2014, 9, 472-479.	0.4	1
41	Granular representation schemes of time series: A study in an optimal allocation of information granularity. , 2013, , .		5
42	The Design of Free Structure Granular Mappings: The Use of the Principle of Justifiable Granularity. IEEE Transactions on Cybernetics, 2013, 43, 2105-2113.	6.2	56
43	Modeling and Simulation of an Adaptive Neuro-Fuzzy Inference System (ANFIS) for Mobile Learning. IEEE Transactions on Learning Technologies, 2012, 5, 226-237.	2.2	204
44	OCR Based Pixel Fusion. Journal of Applied Sciences, 2012, 12, 2319-2325.	0.1	4
45	Modeling Mobile Learning System Using ANFIS. , 2011, , .		7
46	License plate localization based on a probabilistic model. Machine Vision and Applications, 2010, 21, 319-330.	1.7	30
47	Enhanced learner model for adaptive mobile learning. , 2010, , .		21
48	Bayesian Fusion Algorithm for Inferring Trust in Wireless Sensor Networks. Journal of Networks, 2010, 5, .	0.4	24
49	BNWSN: Bayesian network trust model for wireless sensor networks. , 2008, , .		19
50	Can we trust trusted nodes in wireless sensor networks?. , 2008, , .		30
51	Intelligent Stolen Vehicle Detection using Video Sensing. , 2007, , .		3
52	Probabilistic Road Maps with Obstacle Avoidance in Cluttered Dynamic Environment. , 0, , .		15
53	A data variability index: Quantifying complexity of models and analyzing adversarial data. International Journal of Intelligent Systems, 0, , .	3.3	0