Rami Al-Hmouz

List of Publications by Year
in descending order

53	1,224	567144 15	395590 33
papers	citations	h-index	g-index

53	53	53	1163
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Fuzzy decision making and consensus: Challenges. Journal of Intelligent and Fuzzy Systems, 2015, 29, 1109-1118.	0.8	172
3	Soft consensus measures in group decision making using unbalanced fuzzy linguistic information. Soft Computing, 2017, 21, 3037-3050.	2.1	134
4	A novel multi-criteria group decision-making method for heterogeneous and dynamic contexts using multi-granular fuzzy linguistic modelling and consensus measures. Information Fusion, 2020, 53, 240-250.	11.7	79
5	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
6	Description and prediction of time series: A general framework of Granular Computing. Expert Systems With Applications, 2015, 42, 4830-4839.	4.4	52
7	Hierarchical Granular Clustering: An Emergence of Information Granules of Higher Type and Higher Order. IEEE Transactions on Fuzzy Systems, 2015, 23, 2270-2283.	6.5	45
8	Estimating incomplete information in group decision making: A framework of granular computing. Applied Soft Computing Journal, 2020, 86, 105930.	4.1	43
9	Building granular fuzzy decision support systems. Knowledge-Based Systems, 2014, 58, 3-10.	4.0	41
10	Can we trust trusted nodes in wireless sensor networks?. , 2008, , .		30
11	License plate localization based on a probabilistic model. Machine Vision and Applications, 2010, 21, 319-330.	1.7	30
12	Designing granular fuzzy models: A hierarchical approach to fuzzy modeling. Knowledge-Based Systems, 2015, 76, 42-52.	4.0	29
13	Bayesian Fusion Algorithm for Inferring Trust in Wireless Sensor Networks. Journal of Networks, 2010, 5, .	0.4	24
14	Enhanced learner model for adaptive mobile learning. , 2010, , .		21
15	Quantifying dynamic time warping distance using probabilistic model in verification of dynamic signatures. Soft Computing, 2019, 23, 407-418.	2.1	21
16	BNWSN: Bayesian network trust model for wireless sensor networks. , 2008, , .		19
17	Hierarchical System Modeling. IEEE Transactions on Fuzzy Systems, 2018, 26, 258-269.	6.5	17
18	Probabilistic Road Maps with Obstacle Avoidance in Cluttered Dynamic Environment. , 0, , .		15

#	Article	IF	Citations
19	License plate localization using a statistical analysis of Discrete Fourier Transform signal. Computers and Electrical Engineering, 2014, 40, 982-992.	3.0	15
20	Description and classification of granular time series. Soft Computing, 2015, 19, 1003-1017.	2.1	15
21	Logic-driven autoencoders. Knowledge-Based Systems, 2019, 183, 104874.	4.0	12
22	Logic-Oriented Autoencoders and Granular Logic Autoencoders: Developing Interpretable Data Representation. IEEE Transactions on Fuzzy Systems, 2022, 30, 869-877.	6.5	11
23	An expansion of fuzzy information granules through successive refinements of their information content and their use to system modeling. Expert Systems With Applications, 2015, 42, 2985-2997.	4.4	10
24	Development of Multimodal Biometric Systems with Three-Way and Fuzzy Set-Based Decision Mechanisms. International Journal of Fuzzy Systems, 2018, 20, 128-140.	2.3	10
25	Fuzzy-Based Histogram Partitioning for Bi-Histogram Equalisation of Low Contrast Images. IEEE Access, 2020, 8, 11595-11614.	2.6	10
26	Modeling with linguistic entities and linguistic descriptors: a perspective of granular computing. Soft Computing, 2017, 21, 1833-1845.	2.1	8
27	Enhanced Numeral Recognition for Handwritten Multi-language Numerals Using Fuzzy Set-Based Decision Mechanism. International Journal of Machine Learning and Computing, 2020, 10, 99-107.	0.8	8
28	Modeling Mobile Learning System Using ANFIS. , 2011, , .		7
29	Models of time series with time granulation. Knowledge and Information Systems, 2016, 48, 561-580.	2.1	7
30	Granular classifiers and their design through refinement of information granules. Soft Computing, 2017, 21, 2745-2759.	2.1	7
31	Workplace assessment by fuzzy decision tree and TOPSIS methodologies to manage the occupational safety and health performance. Journal of Intelligent and Fuzzy Systems, 2017, 33, 1209-1224.	0.8	7
32	Distributed proximity-based granular clustering: towards a development of global structural relationships in data. Soft Computing, 2015, 19, 2751-2767.	2.1	6
33	Reinforcing Synthetic Data for Meticulous Survival Prediction of Patients Suffering From Left Ventricular Systolic Dysfunction. IEEE Access, 2021, 9, 72661-72669.	2.6	6
34	Granular representation schemes of time series: A study in an optimal allocation of information granularity. , 2013, , .		5
35	From data to granular data and granular classifiers. , 2014, , .		5
36	An Overview of Image Analysis Algorithms for License Plate Recognition. Organizacija, 2017, 50, 285-295.	0.7	5

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37	Reducing Criteria in Multicriteria Group Decision-Making Methods Using Hierarchical Clustering Methods and Fuzzy Ontologies. IEEE Transactions on Fuzzy Systems, 2022, 30, 1585-1598.	6.5	5
38	A three-level classifier: Fuzzy C Means, Support Vector Machine and unique pixels for Arabic handwritten digits. , 2014, , .		4
39	OCR Based Pixel Fusion. Journal of Applied Sciences, 2012, 12, 2319-2325.	0.1	4
40	Intelligent Stolen Vehicle Detection using Video Sensing. , 2007, , .		3
41	Granular description of data in a non-stationary environment. Soft Computing, 2018, 22, 523-540.	2.1	3
42	Granular autoencoders: concepts and design. Soft Computing, 2019, 23, 9869-9880.	2.1	3
43	Data Description Through Information Granules: A Multiview Perspective. International Journal of Fuzzy Systems, 2020, 22, 1731-1747.	2.3	3
44	Application of Wavelet Transform for PDZ Domain Classification. PLoS ONE, 2015, 10, e0122873.	1.1	3
45	Multimodal biometrics using multiple feature representations to speaker identification system. , 2015, , .		2
46	Perspective-oriented data analysis through the development of information granules of order 2. International Journal of Approximate Reasoning, 2017, 85, 97-106.	1.9	2
47	Application of ECG Arrhythmia Classification by Means of Bayesian Theorem. Journal of Applied Sciences, 2014, 14, 165-170.	0.1	2
48	Fuzzy relational representation, modeling and interpretation of temporal data. Knowledge-Based Systems, 2022, 244, 108548.	4.0	2
49	An Investigation of Wavelet Average Framing LPC for Noisy Speaker Identification Environment. Mathematical Problems in Engineering, 2015, 2015, 1-10.	0.6	1
50	Speaker Identification Using Bayesian Algorithm. Trends in Applied Sciences Research, 2014, 9, 472-479.	0.4	1
51	Editorial on Special Issue: â€œApplications of Intelligent and Fuzzy Theory in Data Scienceâ€• International Journal of Fuzzy Systems, 2021, 23, 492-493.	2.3	0
52	Information fusion in recognition of Saudi Arabia license plates. WSEAS Transactions on Systems and Control, 2020, 15, 709-715.	0.5	0
53	A data variability index: Quantifying complexity of models and analyzing adversarial data. International Journal of Intelligent Systems, 0, , .	3.3	0