

# Wei Lu

## List of Publications by Year in descending order

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35  
papers

749  
citations

687220

13  
h-index

526166

27  
g-index

35  
all docs

35  
docs citations

35  
times ranked

586  
citing authors

#	ARTICLE	IF	CITATIONS
1	Using interval information granules to improve forecasting in fuzzy time series. <i>International Journal of Approximate Reasoning</i> , 2015, 57, 1-18.	1.9	109
2	Fuzzy C-Means clustering of incomplete data based on probabilistic information granules of missing values. <i>Knowledge-Based Systems</i> , 2016, 99, 51-70.	4.0	97
3	The modeling of time series based on fuzzy information granules. <i>Expert Systems With Applications</i> , 2014, 41, 3799-3808.	4.4	92
4	The modeling and prediction of time series based on synergy of high-order fuzzy cognitive map and fuzzy c-means clustering. <i>Knowledge-Based Systems</i> , 2014, 70, 242-255.	4.0	81
5	Imputations of missing values using a tracking-removed autoencoder trained with incomplete data. <i>Neurocomputing</i> , 2019, 366, 54-65.	3.5	40
6	Fuzzy granular classification based on the principle of justifiable granularity. <i>Knowledge-Based Systems</i> , 2019, 170, 89-101.	4.0	33
7	An interval weighed fuzzy c-means clustering by genetically guided alternating optimization. <i>Expert Systems With Applications</i> , 2014, 41, 5960-5971.	4.4	27
8	Human-centric analysis and interpretation of time series: a perspective of granular computing. <i>Soft Computing</i> , 2014, 18, 2397-2411.	2.1	26
9	The granular extension of Sugeno-type fuzzy models based on optimal allocation of information granularity and its application to forecasting of time series. <i>Applied Soft Computing Journal</i> , 2016, 42, 38-52.	4.1	20
10	Granular Fuzzy Modeling for Multidimensional Numeric Data: A Layered Approach Based on Hyperbox. <i>IEEE Transactions on Fuzzy Systems</i> , 2019, 27, 775-789.	6.5	19
11	The Learning of Fuzzy Cognitive Maps With Noisy Data: A Rapid and Robust Learning Method With Maximum Entropy. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 2080-2092.	6.2	17
12	Rule-based granular classification: A hypersphere information granule-based method. <i>Knowledge-Based Systems</i> , 2020, 194, 105500.	4.0	16
13	The linguistic modeling of interval-valued time series: A perspective of granular computing. <i>Information Sciences</i> , 2019, 478, 476-498.	4.0	15
14	Dynamic Background Subtraction Using Histograms Based on Fuzzy C-Means Clustering and Fuzzy Nearness Degree. <i>IEEE Access</i> , 2019, 7, 14671-14679.	2.6	13
15	Fast and Effective Learning for Fuzzy Cognitive Maps: A Method Based on Solving Constrained Convex Optimization Problems. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 2958-2971.	6.5	12
16	Granular Description With Multigranularity for Multidimensional Data: A Cone-Shaped Fuzzy Set-Based Method. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 1786-1801.	6.5	11
17	Granular Fuzzy Modeling Guided Through the Synergy of Granulating Output Space and Clustering Input Subspaces. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 2625-2638.	6.2	11
18	The Hybrids Algorithm Based on Fuzzy Cognitive Map for Fuzzy Time Series Prediction. <i>Journal of Information and Computational Science</i> , 2014, 11, 357-366.	0.1	11

#	ARTICLE	IF	CITATIONS
19	The Long-Term Prediction of Time Series: A Granular Computing-Based Design Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 6326-6338.	5.9	10
20	The linguistic forecasting of time series based on fuzzy cognitive maps. , 2013, , .		9
21	A Global Clustering Approach Using Hybrid Optimization for Incomplete Data Based on Interval Reconstruction of Missing Value. International Journal of Intelligent Systems, 2016, 31, 297-313.	3.3	9
22	Combining Background Subtraction and Convolutional Neural Network for Anomaly Detection in Pumping-Unit Surveillance. Algorithms, 2019, 12, 115.	1.2	9
23	Interval Granular Fuzzy Models: Concepts and Development. IEEE Access, 2019, 7, 24140-24153.	2.6	8
24	Bearing fault diagnosis algorithm based on granular computing. Granular Computing, 2023, 8, 333-344.	4.4	7
25	Control method based on Fuzzy cognitive map and its application on district heating network. , 2010, , .		6
26	A Human-Computer Cooperation Fuzzy c-Means Clustering with Interval-Valued Weights. International Journal of Intelligent Systems, 2015, 30, 81-98.	3.3	6
27	The Modeling of Time Series Based on Least Square Fuzzy Cognitive Map. Algorithms, 2021, 14, 69.	1.2	6
28	Design of Granular Model: A Method Driven by Hyper-Box Iteration Granulation. IEEE Transactions on Cybernetics, 2023, 53, 2899-2913.	6.2	6
29	The Modeling of Interval-Valued Time Series: A Method Based on Fuzzy Set Theory and Artificial Neural Networks. International Journal of Computational Intelligence and Applications, 2019, 18, .	0.6	5
30	A CNN Accelerator on FPGA with a Flexible Structure. , 2020, , .		5
31	A rule-based granular model development for interval-valued time series. International Journal of Approximate Reasoning, 2021, 136, 201-222.	1.9	5
32	Refinement of Background-Subtraction Methods Based on Convolutional Neural Network Features for Dynamic Background. Algorithms, 2019, 12, 128.	1.2	4
33	THE LINGUISTIC FORECASTING OF TIME SERIES USING IMPROVED FUZZY COGNITIVE MAP. International Journal of Computational Intelligence and Applications, 2013, 12, 1350014.	0.6	2
34	Granular Description of Data: A Comparative Study Regarding to Different Distance Measures. IEEE Access, 2020, 8, 130476-130485.	2.6	2
35	Circuit Design of Moving Object Recognition System. , 2020, , .		0