

# Xiubin Zhu

## List of Publications by Year in descending order

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22  
papers

390  
citations

1039880

9  
h-index

794469

19  
g-index

22  
all docs

22  
docs citations

22  
times ranked

200  
citing authors

#	ARTICLE	IF	CITATIONS
1	Granular Data Description: Designing Ellipsoidal Information Granules. IEEE Transactions on Cybernetics, 2017, 47, 4475-4484.	6.2	59
2	A Design of Granular Takagi-Sugeno Fuzzy Model Through the Synergy of Fuzzy Subspace Clustering and Optimal Allocation of Information Granularity. IEEE Transactions on Fuzzy Systems, 2018, 26, 2499-2509.	6.5	46
3	Granular Models and Granular Outliers. IEEE Transactions on Fuzzy Systems, 2018, 26, 3835-3846.	6.5	43
4	Fuzzy clustering with nonlinearly transformed data. Applied Soft Computing Journal, 2017, 61, 364-376.	4.1	41
5	Granular Encoders and Decoders: A Study in Processing Information Granules. IEEE Transactions on Fuzzy Systems, 2017, 25, 1115-1126.	6.5	41
6	Granular Representation of Data: A Design of Families of $\mu$ -Information Granules. IEEE Transactions on Fuzzy Systems, 2018, 26, 2107-2119.	6.5	32
7	A Development of Granular Input Space in System Modeling. IEEE Transactions on Cybernetics, 2021, 51, 1639-1650.	6.2	25
8	A design of information granule-based under-sampling method in imbalanced data classification. Soft Computing, 2020, 24, 17333-17347.	2.1	15
9	Development and Analysis of Neural Networks Realized in the Presence of Granular Data. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3606-3619.	7.2	12
10	Horizontal Federated Learning of Takagi-Sugeno Fuzzy Rule-Based Models. IEEE Transactions on Fuzzy Systems, 2022, 30, 3537-3547.	6.5	11
11	A Design of Granular Classifier Based on Granular Data Descriptors. IEEE Transactions on Cybernetics, 2023, 53, 1790-1801.	6.2	10
12	Construction and Evaluation of Information Granules: From the Perspective of Clustering. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2024-2037.	5.9	9
13	A Granular Approach to Interval Output Estimation for Rule-Based Fuzzy Models. IEEE Transactions on Cybernetics, 2022, 52, 7029-7038.	6.2	9
14	A Development of Hierarchically Structured Granular Models Realized Through Allocation of Information Granularity. IEEE Transactions on Fuzzy Systems, 2021, 29, 3845-3858.	6.5	8
15	Granular description of data: Building information granules with the aid of the principle of justifiable granularity. , 2016, , .		6
16	Designing of higher order information granules through clustering heterogeneous granular data. Applied Soft Computing Journal, 2021, 112, 107820.	4.1	6
17	A Two-Stage Approach for Constructing Type-2 Information Granules. IEEE Transactions on Cybernetics, 2022, 52, 2214-2224.	6.2	5
18	Development of Granular Fuzzy Relation Equations Based on a Subset of Data. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 1416-1427.	8.5	4

#	ARTICLE	IF	CITATIONS
19	From Numeric to Granular Models: A Quest for Error and Performance Analysis. IEEE Transactions on Cybernetics, 2024, 54, 150-161.	6.2	3
20	A randomization mechanism for realizing granular models in distributed system modeling. Knowledge-Based Systems, 2021, 232, 107376.	4.0	2
21	Design and Development of Granular Fuzzy Rule-Based Models for Knowledge Transfer. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 704-715.	5.9	2
22	Optimization of Granulationâ€“Degranulation Mechanism Through Neurocomputing. IEEE Transactions on Cybernetics, 2022, 52, 4126-4135.	6.2	1