List of Publications by Year
in descending order

47 papers	1,928 citations	279798 23 h-index	254184 43 g-index
49 all docs	49 docs citations	49 times ranked	983 citing authors

#	Article	IF	Citations
1	A Majority Rule-Based Measure for Atanassov-Type Intuitionistic Membership Grades in MCDM. IEEE Transactions on Fuzzy Systems, 2022, 30, 121-132.	9.8	16
2	Multimodal Infant Brain Segmentation by Fuzzy-Informed Deep Learning. IEEE Transactions on Fuzzy Systems, 2022, 30, 1088-1101.	9.8	24
3	Feature Selection With Missing Labels Using Multilabel Fuzzy Neighborhood Rough Sets and Maximum Relevance Minimum Redundancy. IEEE Transactions on Fuzzy Systems, 2022, 30, 1197-1211.	9.8	75
4	A Novel Three-Way Decision Model Based on Utility Theory in Incomplete Fuzzy Decision Systems. IEEE Transactions on Fuzzy Systems, 2022, 30, 2210-2226.	9.8	99
5	On-shelf utility mining from transaction database. Engineering Applications of Artificial Intelligence, 2022, 107, 104516.	8.1	7
6	Robust weakly supervised learning for COVID-19 recognition using multi-center CT images. Applied Soft Computing Journal, 2022, 116, 108291.	7.2	23
7	Nearest neighbors-based adaptive density peaks clustering with optimized allocation strategy. Neurocomputing, 2022, 473, 159-181.	5.9	20
8	Twoâ€stageâ€neighborhoodâ€based multilabel classification for incomplete data with missing labels. International Journal of Intelligent Systems, 2022, 37, 6773-6810.	5.7	13
9	Feature reduction for imbalanced data classification using similarity-based feature clustering with adaptive weighted K-nearest neighbors. Information Sciences, 2022, 593, 591-613.	6.9	40
10	Feature Selection Using Fuzzy Neighborhood Entropy-Based Uncertainty Measures for Fuzzy Neighborhood Multigranulation Rough Sets. IEEE Transactions on Fuzzy Systems, 2021, 29, 19-33.	9.8	150
11	An Efficient and Scalable Simulation Model for Autonomous Vehicles With Economical Hardware. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1718-1732.	8.0	15
12	Multigranulation Supertrust Model for Attribute Reduction. IEEE Transactions on Fuzzy Systems, 2021, 29, 1395-1408.	9.8	45
13	Coevolutionary Fuzzy Attribute Order Reduction With Complete Attribute-Value Space Tree. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 130-142.	4.9	11
14	A novel fuzzy rough set model with fuzzy neighborhood operators. Information Sciences, 2021, 544, 266-297.	6.9	95
15	Discovering high utility-occupancy patterns from uncertain data. Information Sciences, 2021, 546, 1208-1229.	6.9	87
16	Density peaks clustering based on k-nearest neighbors and self-recommendation. International Journal of Machine Learning and Cybernetics, 2021, 12, 1913-1938.	3.6	23
17	Can Clinical Symptoms and Laboratory Results Predict CT Abnormality? Initial Findings Using Novel Machine Learning Techniques in Children With COVID-19 Infections. Frontiers in Medicine, 2021, 8, 699984.	2.6	11
18	Evolutionary Deep Fusion Method and its Application in Chemical Structure Recognition. IEEE Transactions on Evolutionary Computation, 2021, 25, 883-893.	10.0	15

#	Article	IF	Citations
19	Robust supervised rough granular description model with the principle of justifiable granularity. Applied Soft Computing Journal, 2021, 110, 107612.	7.2	36
20	CDE-GAN: Cooperative Dual Evolution-Based Generative Adversarial Network. IEEE Transactions on Evolutionary Computation, 2021, 25, 986-1000.	10.0	16
21	Feature selection using Fisher score and multilabel neighborhood rough sets for multilabel classification. Information Sciences, 2021, 578, 887-912.	6.9	105
22	Memory augmented convolutional neural network and its application in bioimages. Neurocomputing, 2021, 466, 128-138.	5.9	5
23	Effects of repetitive SSVEPs on EEG complexity using multiscale inherent fuzzy entropy. Neurocomputing, 2020, 389, 198-206.	5.9	69
24	Multiple Relevant Feature Ensemble Selection Based on Multilayer Co-Evolutionary Consensus MapReduce. IEEE Transactions on Cybernetics, 2020, 50, 425-439.	9.5	39
25	Neighborhood multi-granulation rough sets-based attribute reduction using Lebesgue and entropy measures in incomplete neighborhood decision systems. Knowledge-Based Systems, 2020, 192, 105373.	7.1	90
26	Fusing Fuzzy Monotonic Decision Trees. IEEE Transactions on Fuzzy Systems, 2020, 28, 887-900.	9.8	30
27	Multigranulation consensus fuzzy-rough based attribute reduction. Knowledge-Based Systems, 2020, 198, 105945.	7.1	20
28	Multilabel feature selection using ML-ReliefF and neighborhood mutual information for multilabel neighborhood decision systems. Information Sciences, 2020, 537, 401-424.	6.9	77
29	Deep Neuro-Cognitive Co-Evolution for Fuzzy Attribute Reduction by Quantum Leaping PSO With Nearest-Neighbor Memeplexes. IEEE Transactions on Cybernetics, 2019, 49, 2744-2757.	9.5	70
30	Sequential three-way classifier with justifiable granularity. Knowledge-Based Systems, 2019, 163, 103-119.	7.1	69
31	A memetic algorithm using emperor penguin and social engineering optimization for medical data classification. Applied Soft Computing Journal, 2019, 85, 105773.	7.2	54
32	SVM-Based Feature Selection for Differential Space Fusion and Its Application to Diabetic Fundus Image Classification. IEEE Access, 2019, 7, 149493-149502.	4.2	8
33	Robust Image Hashing Based Efficient Authentication for Smart Industrial Environment. IEEE Transactions on Industrial Informatics, 2019, 15, 6541-6550.	11.3	35
34	Shared Nearest-Neighbor Quantum Game-Based Attribute Reduction With Hierarchical Coevolutionary Spark and Its Application in Consistent Segmentation of Neonatal Cerebral Cortical Surfaces. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2013-2027.	11.3	39
35	Divergence measure of Pythagorean fuzzy sets and its application in medical diagnosis. Applied Soft Computing Journal, 2019, 79, 254-267.	7.2	206
36	Hybrid Multilabel Feature Selection Using BPSO and Neighborhood Rough Sets for Multilabel Neighborhood Decision Systems. IEEE Access, 2019, 7, 175793-175815.	4.2	17

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37	Hierarchical co-evolutionary clustering tree-based rough feature game equilibrium selection and its application in neonatal cerebral cortex MRI. Expert Systems With Applications, 2018, 101, 243-257.	7.6	19
38	A Layered-Coevolution-Based Attribute-Boosted Reduction Using Adaptive Quantum-Behavior PSO and Its Consistent Segmentation for Neonates Brain Tissue. IEEE Transactions on Fuzzy Systems, 2018, 26, 1177-1191.	9.8	51
39	Multiagent-consensus-MapReduce-based attribute reduction using co-evolutionary quantum PSO for big data applications. Neurocomputing, 2018, 272, 136-153.	5.9	34
40	A Cascaded Coâ€evolutionary Model for Attribute Reduction and Classification Based on Coordinating Architecture with Bidirectional Elitist Optimization. Chinese Journal of Electronics, 2017, 26, 13-21.	1.5	2
41	A Layered Coâ€evolution Based Rough Feature Selection Using Adaptive Neighborhood Radius Hierarchy and Its Application in 3Dâ€MRI. Chinese Journal of Electronics, 2017, 26, 1168-1176.	1.5	1
42	A hierarchical-coevolutionary-MapReduce-based knowledge reduction algorithm with robust ensemble Pareto equilibrium. Information Sciences, 2016, 342, 153-175.	6.9	7
43	Ensemble feature selection integrating elitist roles and quantum game model. Journal of Systems Engineering and Electronics, 2015, 26, 584-594.	2.2	2
44	A more efficient attribute self-adaptive co-evolutionary reduction algorithm by combining quantum elitist frogs and cloud model operators. Information Sciences, 2015, 293, 214-234.	6.9	15
45	Enhanced minimum attribute reduction based on quantum-inspired shuffled frog leaping algorithm. Journal of Systems Engineering and Electronics, 2013, 24, 426-434.	2.2	7
46	A novel approach to minimum attribute reduction based on quantum-inspired self-adaptive cooperative co-evolution. Knowledge-Based Systems, 2013, 50, 1-13.	7.1	17
47	Cooperative extended rough attribute reduction algorithm based on improved PSO. Journal of Systems Engineering and Electronics, 2012, 23, 160-166.	2.2	14