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	Divergence measure of Pythagorean fuzzy sets and its application in medical diagnosis. Applied Soft Computing Journal, 2019, 79, 254-267.	7.2	206
2	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
3	Feature selection using Fisher score and multilabel neighborhood rough sets for multilabel classification. Information Sciences, 2021, 578, 887-912.	6.9	105
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	A novel fuzzy rough set model with fuzzy neighborhood operators. Information Sciences, 2021, 544, 266-297.	6.9	95
6	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
7	Discovering high utility-occupancy patterns from uncertain data. Information Sciences, 2021, 546, 1208-1229.	6.9	87
8	Multilabel feature selection using ML-ReliefF and neighborhood mutual information for multilabel neighborhood decision systems. Information Sciences, 2020, 537, 401-424.	6.9	77
9	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
10	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
11	Sequential three-way classifier with justifiable granularity. Knowledge-Based Systems, 2019, 163, 103-119.	7.1	69
12	Effects of repetitive SSVEPs on EEG complexity using multiscale inherent fuzzy entropy. Neurocomputing, 2020, 389, 198-206.	5.9	69
13	A memetic algorithm using emperor penguin and social engineering optimization for medical data classification. Applied Soft Computing Journal, 2019, 85, 105773.	7.2	54
14	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
15	Multigranulation Supertrust Model for Attribute Reduction. IEEE Transactions on Fuzzy Systems, 2021, 29, 1395-1408.	9.8	45
16	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
17	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
18	Multiple Relevant Feature Ensemble Selection Based on Multilayer Co-Evolutionary Consensus MapReduce. IEEE Transactions on Cybernetics, 2020, 50, 425-439.	9.5	39

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19	Robust supervised rough granular description model with the principle of justifiable granularity. Applied Soft Computing Journal, 2021, 110, 107612.	7.2	36
20	Robust Image Hashing Based Efficient Authentication for Smart Industrial Environment. IEEE Transactions on Industrial Informatics, 2019, 15, 6541-6550.	11.3	35
21	Multiagent-consensus-MapReduce-based attribute reduction using co-evolutionary quantum PSO for big data applications. Neurocomputing, 2018, 272, 136-153.	5.9	34
22	Fusing Fuzzy Monotonic Decision Trees. IEEE Transactions on Fuzzy Systems, 2020, 28, 887-900.	9.8	30
23	Multimodal Infant Brain Segmentation by Fuzzy-Informed Deep Learning. IEEE Transactions on Fuzzy Systems, 2022, 30, 1088-1101.	9.8	24
24	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
25	Robust weakly supervised learning for COVID-19 recognition using multi-center CT images. Applied Soft Computing Journal, 2022, 116, 108291.	7.2	23
26	Multigranulation consensus fuzzy-rough based attribute reduction. Knowledge-Based Systems, 2020, 198, 105945.	7.1	20
27	Nearest neighbors-based adaptive density peaks clustering with optimized allocation strategy. Neurocomputing, 2022, 473, 159-181.	5.9	20
28	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
29	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
30	Hybrid Multilabel Feature Selection Using BPSO and Neighborhood Rough Sets for Multilabel Neighborhood Decision Systems. IEEE Access, 2019, 7, 175793-175815.	4.2	17
31	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
32	CDE-GAN: Cooperative Dual Evolution-Based Generative Adversarial Network. IEEE Transactions on Evolutionary Computation, 2021, 25, 986-1000.	10.0	16
33	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
34	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
35	Evolutionary Deep Fusion Method and its Application in Chemical Structure Recognition. IEEE Transactions on Evolutionary Computation, 2021, 25, 883-893.	10.0	15
36	Cooperative extended rough attribute reduction algorithm based on improved PSO. Journal of Systems Engineering and Electronics, 2012, 23, 160-166.	2.2	14

#	Article	IF	Citations
37	Twoâ€stageâ€neighborhoodâ€based multilabel classification for incomplete data with missing labels. International Journal of Intelligent Systems, 2022, 37, 6773-6810.	5.7	13
38	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
39	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
40	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
41	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
42	A hierarchical-coevolutionary-MapReduce-based knowledge reduction algorithm with robust ensemble Pareto equilibrium. Information Sciences, 2016, 342, 153-175.	6.9	7
43	On-shelf utility mining from transaction database. Engineering Applications of Artificial Intelligence, 2022, 107, 104516.	8.1	7
44	Memory augmented convolutional neural network and its application in bioimages. Neurocomputing, 2021, 466, 128-138.	5.9	5
45	Ensemble feature selection integrating elitist roles and quantum game model. Journal of Systems Engineering and Electronics, 2015, 26, 584-594.	2.2	2
46	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
47	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