

Yuhua Qian

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/848157/publications.pdf>

Version: 2024-02-01

154
papers

9,997
citations

26567

56
h-index

35952

97
g-index

156
all docs

156
docs citations

156
times ranked

2291
citing authors

#	ARTICLE	IF	CITATIONS
1	Positive approximation: An accelerator for attribute reduction in rough set theory. <i>Artificial Intelligence</i> , 2010, 174, 597-618.	3.9	638
2	MGRS: A multi-granulation rough set. <i>Information Sciences</i> , 2010, 180, 949-970.	4.0	597
3	Multigranulation decision-theoretic rough sets. <i>International Journal of Approximate Reasoning</i> , 2014, 55, 225-237.	1.9	320
4	Three-way cognitive concept learning via multi-granularity. <i>Information Sciences</i> , 2017, 378, 244-263.	4.0	319
5	Incomplete Multigranulation Rough Set. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2010, 40, 420-431.	3.4	294
6	Concept learning via granular computing: A cognitive viewpoint. <i>Information Sciences</i> , 2015, 298, 447-467.	4.0	250
7	A Group Incremental Approach to Feature Selection Applying Rough Set Technique. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2014, 26, 294-308.	4.0	238
8	Test-cost-sensitive attribute reduction. <i>Information Sciences</i> , 2011, 181, 4928-4942.	4.0	228
9	NMGRS: Neighborhood-based multigranulation rough sets. <i>International Journal of Approximate Reasoning</i> , 2012, 53, 1080-1093.	1.9	196
10	A Fitting Model for Feature Selection With Fuzzy Rough Sets. <i>IEEE Transactions on Fuzzy Systems</i> , 2017, 25, 741-753.	6.5	192
11	Knowledge structure, knowledge granulation and knowledge distance in a knowledge base. <i>International Journal of Approximate Reasoning</i> , 2009, 50, 174-188.	1.9	181
12	Feature subset selection based on fuzzy neighborhood rough sets. <i>Knowledge-Based Systems</i> , 2016, 111, 173-179.	4.0	179
13	Feature selection using neighborhood entropy-based uncertainty measures for gene expression data classification. <i>Information Sciences</i> , 2019, 502, 18-41.	4.0	178
14	An efficient accelerator for attribute reduction from incomplete data in rough set framework. <i>Pattern Recognition</i> , 2011, 44, 1658-1670.	5.1	172
15	Maximal-Discernibility-Pair-Based Approach to Attribute Reduction in Fuzzy Rough Sets. <i>IEEE Transactions on Fuzzy Systems</i> , 2018, 26, 2174-2187.	6.5	170
16	Information Granularity in Fuzzy Binary GrC Model. <i>IEEE Transactions on Fuzzy Systems</i> , 2011, 19, 253-264.	6.5	162
17	An efficient rough feature selection algorithm with a multi-granulation view. <i>International Journal of Approximate Reasoning</i> , 2012, 53, 912-926.	1.9	153
18	Set-valued ordered information systems. <i>Information Sciences</i> , 2009, 179, 2809-2832.	4.0	152

#	ARTICLE	IF	CITATIONS
19	COMBINATION ENTROPY AND COMBINATION GRANULATION IN ROUGH SET THEORY. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2008, 16, 179-193.	0.9	150
20	Feature Selection Using Fuzzy Neighborhood Entropy-Based Uncertainty Measures for Fuzzy Neighborhood Multigranulation Rough Sets. IEEE Transactions on Fuzzy Systems, 2021, 29, 19-33.	6.5	150
21	Multigranulation rough sets: From partition to covering. Information Sciences, 2013, 241, 101-118.	4.0	148
22	A comparative study of multigranulation rough sets and concept lattices via rule acquisition. Knowledge-Based Systems, 2016, 91, 152-164.	4.0	147
23	Pessimistic rough set based decisions: A multigranulation fusion strategy. Information Sciences, 2014, 264, 196-210.	4.0	146
24	Multigranulation fuzzy rough set over two universes and its application to decision making. Knowledge-Based Systems, 2017, 123, 61-74.	4.0	141
25	Fuzzy Rough Attribute Reduction for Categorical Data. IEEE Transactions on Fuzzy Systems, 2020, 28, 818-830.	6.5	141
26	Interval ordered information systems. Computers and Mathematics With Applications, 2008, 56, 1994-2009.	1.4	140
27	A new measure of uncertainty based on knowledge granulation for rough sets. Information Sciences, 2009, 179, 458-470.	4.0	139
28	Fuzzy-rough feature selection accelerator. Fuzzy Sets and Systems, 2015, 258, 61-78.	1.6	128
29	An information fusion approach by combining multigranulation rough sets and evidence theory. Information Sciences, 2015, 314, 184-199.	4.0	118
30	Local rough set: A solution to rough data analysis in big data. International Journal of Approximate Reasoning, 2018, 97, 38-63.	1.9	114
31	Local multigranulation decision-theoretic rough sets. International Journal of Approximate Reasoning, 2017, 82, 119-137.	1.9	112
32	On rule acquisition in incomplete multi-scale decision tables. Information Sciences, 2017, 378, 282-302.	4.0	111
33	Approximation reduction in inconsistent incomplete decision tables. Knowledge-Based Systems, 2010, 23, 427-433.	4.0	109
34	Pseudo-label neighborhood rough set: Measures and attribute reductions. International Journal of Approximate Reasoning, 2019, 105, 112-129.	1.9	108
35	Intuitionistic Fuzzy Rough Set-Based Granular Structures and Attribute Subset Selection. IEEE Transactions on Fuzzy Systems, 2019, 27, 527-539.	6.5	104
36	An efficient selector for multi-granularity attribute reduction. Information Sciences, 2019, 505, 457-472.	4.0	101

#	ARTICLE	IF	CITATIONS
37	Attribute reduction: A dimension incremental strategy. Knowledge-Based Systems, 2013, 39, 95-108.	4.0	100
38	Measures for evaluating the decision performance of a decision table in rough set theory. Information Sciences, 2008, 178, 181-202.	4.0	96
39	Local neighborhood rough set. Knowledge-Based Systems, 2018, 153, 53-64.	4.0	96
40	Neighborhood multi-granulation rough sets-based attribute reduction using Lebesgue and entropy measures in incomplete neighborhood decision systems. Knowledge-Based Systems, 2020, 192, 105373.	4.0	90
41	Feature Selection Based on Neighborhood Discrimination Index. IEEE Transactions on Neural Networks and Learning Systems, 2017, 29, 1-14.	7.2	89
42	Multilabel feature selection using ML-ReliefF and neighborhood mutual information for multilabel neighborhood decision systems. Information Sciences, 2020, 537, 401-424.	4.0	77
43	Clustering ensemble based on sample's stability. Artificial Intelligence, 2019, 273, 37-55.	3.9	76
44	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.	6.5	75
45	Information granules and entropy theory in information systems. Science in China Series F: Information Sciences, 2008, 51, 1427-1444.	1.1	72
46	Accelerator for supervised neighborhood based attribute reduction. International Journal of Approximate Reasoning, 2020, 119, 122-150.	1.9	72
47	Attribute group for attribute reduction. Information Sciences, 2020, 535, 64-80.	4.0	72
48	A Regret-Based Three-Way Decision Model Under Interval Type-2 Fuzzy Environment. IEEE Transactions on Fuzzy Systems, 2022, 30, 175-189.	6.5	71
49	A fuzzy multigranulation decision-theoretic approach to multi-source fuzzy information systems. Knowledge-Based Systems, 2016, 91, 102-113.	4.0	70
50	Environmental sound classification with dilated convolutions. Applied Acoustics, 2019, 148, 123-132.	1.7	70
51	Grouping granular structures in human granulation intelligence. Information Sciences, 2017, 382-383, 150-169.	4.0	66
52	Space Structure and Clustering of Categorical Data. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2047-2059.	7.2	62
53	A comparative study of rough sets for hybrid data. Information Sciences, 2012, 190, 1-16.	4.0	60
54	Multigranulation information fusion: A Dempster-Shafer evidence theory-based clustering ensemble method. Information Sciences, 2017, 378, 389-409.	4.0	60

#	ARTICLE	IF	CITATIONS
55	Converse approximation and rule extraction from decision tables in rough set theory. <i>Computers and Mathematics With Applications</i> , 2008, 55, 1754-1765.	1.4	59
56	Fusing Monotonic Decision Trees. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2015, 27, 2717-2728.	4.0	57
57	A NEW METHOD FOR MEASURING THE UNCERTAINTY IN INCOMPLETE INFORMATION SYSTEMS. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2009, 17, 855-880.	0.9	54
58	Fuzzy Granular Structure Distance. <i>IEEE Transactions on Fuzzy Systems</i> , 2015, 23, 2245-2259.	6.5	54
59	Set-based granular computing: A lattice model. <i>International Journal of Approximate Reasoning</i> , 2014, 55, 834-852.	1.9	53
60	Accelerator for multi-granularity attribute reduction. <i>Knowledge-Based Systems</i> , 2019, 177, 145-158.	4.0	53
61	Consistency measure, inclusion degree and fuzzy measure in decision tables. <i>Fuzzy Sets and Systems</i> , 2008, 159, 2353-2377.	1.6	49
62	Decision-theoretic rough sets under dynamic granulation. <i>Knowledge-Based Systems</i> , 2016, 91, 84-92.	4.0	47
63	Feature selection using Lebesgue and entropy measures for incomplete neighborhood decision systems. <i>Knowledge-Based Systems</i> , 2019, 186, 104942.	4.0	47
64	Distance: A more comprehensible perspective for measures in rough set theory. <i>Knowledge-Based Systems</i> , 2012, 27, 126-136.	4.0	45
65	Latent Complete Row Space Recovery for Multi-View Subspace Clustering. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 8083-8096.	6.0	44
66	Determining decision makers' weights in group ranking: a granular computing method. <i>International Journal of Machine Learning and Cybernetics</i> , 2015, 6, 511-521.	2.3	41
67	Feature Selection With Fuzzy-Rough Minimum Classification Error Criterion. <i>IEEE Transactions on Fuzzy Systems</i> , 2022, 30, 2930-2942.	6.5	40
68	A multiple-valued logic approach for multigranulation rough set model. <i>International Journal of Approximate Reasoning</i> , 2017, 82, 270-284.	1.9	39
69	Noise-Tolerant Fuzzy- η -Covering-Based Multigranulation Rough Sets and Feature Subset Selection. <i>IEEE Transactions on Fuzzy Systems</i> , 2022, 30, 2721-2735.	6.5	38
70	On the evaluation of the decision performance of an incomplete decision table. <i>Data and Knowledge Engineering</i> , 2008, 65, 373-400.	2.1	32
71	Unsupervised feature selection with adaptive multiple graph learning. <i>Pattern Recognition</i> , 2020, 105, 107375.	5.1	32
72	Quickly calculating reduct: An attribute relationship based approach. <i>Knowledge-Based Systems</i> , 2020, 200, 106014.	4.0	31

#	ARTICLE	IF	CITATIONS
73	A two-grade approach to ranking interval data. Knowledge-Based Systems, 2012, 27, 234-244.	4.0	30
74	Fusing Fuzzy Monotonic Decision Trees. IEEE Transactions on Fuzzy Systems, 2020, 28, 887-900.	6.5	30
75	An Approach to Cold-Start Link Prediction: Establishing Connections between Non-Topological and Topological Information. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 2857-2870.	4.0	29
76	Identifying advisor-advisee relationships from co-author networks via a novel deep model. Information Sciences, 2018, 466, 258-269.	4.0	28
77	Assessment model for perceived visual complexity of painting images. Knowledge-Based Systems, 2018, 159, 110-119.	4.0	27
78	3D shape reconstruction from multifocus image fusion using a multidirectional modified Laplacian operator. Pattern Recognition, 2020, 98, 107065.	5.1	26
79	Guide to Match: Multi-Layer Feature Matching With a Hybrid Gaussian Mixture Model. IEEE Transactions on Multimedia, 2020, 22, 2246-2261.	5.2	26
80	Granular Matrix: A New Approach for Granular Structure Reduction and Redundancy Evaluation. IEEE Transactions on Fuzzy Systems, 2020, 28, 3133-3144.	6.5	26
81	A multi-view OVA model based on decision tree for multi-classification tasks. Knowledge-Based Systems, 2017, 138, 208-219.	4.0	23
82	Fusing attribute reduction accelerators. Information Sciences, 2022, 587, 354-370.	4.0	23
83	Fusing Complete Monotonic Decision Trees. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 2223-2235.	4.0	22
84	Multi-granularity feature selection on cost-sensitive data with measurement errors and variable costs. Knowledge-Based Systems, 2018, 158, 25-42.	4.0	22
85	3D pulse EPR imaging from sparse-view projections via constrained, total variation minimization. Journal of Magnetic Resonance, 2015, 258, 49-57.	1.2	21
86	AF: An Association-Based Fusion Method for Multi-Modal Classification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 9236-9254.	9.7	21
87	Quantifying edge significance on maintaining global connectivity. Scientific Reports, 2017, 7, 45380.	1.6	20
88	Can fuzzy entropies be effective measures for evaluating the roughness of a rough set?. Information Sciences, 2013, 232, 143-166.	4.0	19
89	Decision-relative discernibility matrices in the sense of entropies. International Journal of General Systems, 2013, 42, 721-738.	1.2	19
90	Comparative study of decision performance of decision tables induced by attribute reductions. International Journal of General Systems, 2010, 39, 813-838.	1.2	18

#	ARTICLE	IF	CITATIONS
91	A rule-extraction framework under multigranulation rough sets. International Journal of Machine Learning and Cybernetics, 2014, 5, 319-326.	2.3	18
92	A Normalized Numerical Scaling Method for the Unbalanced Multi-Granular Linguistic Sets. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2015, 23, 221-243.	0.9	18
93	Active and Semi-Supervised Graph Neural Networks for Graph Classification. IEEE Transactions on Big Data, 2022, 8, 920-932.	4.4	18
94	Consistency-preserving attribute reduction in fuzzy rough set framework. International Journal of Machine Learning and Cybernetics, 2013, 4, 287-299.	2.3	17
95	Uncertainty Measures for Multigranulation Approximation Space. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2015, 23, 443-457.	0.9	17
96	On Characterizing Hierarchies of Granulation Structures via Distances. Fundamenta Informaticae, 2013, 123, 365-380.	0.3	15
97	Cluster's Quality Evaluation and Selective Clustering Ensemble. ACM Transactions on Knowledge Discovery From Data, 2018, 12, 1-27.	2.5	15
98	Evolutionary Deep Fusion Method and its Application in Chemical Structure Recognition. IEEE Transactions on Evolutionary Computation, 2021, 25, 883-893.	7.5	15
99	Locality-Constrained Discriminative Matrix Regression for Robust Face Identification. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1254-1268.	7.2	15
100	Knowledge distance in information systems. Journal of Systems Science and Systems Engineering, 2007, 16, 434-449.	0.8	14
101	Topological approach to multigranulation rough sets. International Journal of Machine Learning and Cybernetics, 2014, 5, 233-243.	2.3	14
102	Rough Set Approximation Based on Dynamic Granulation. Lecture Notes in Computer Science, 2005, , 701-708.	1.0	13
103	Enhanced Group Sparse Regularized Nonconvex Regression for Face Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, PP, 1-1.	9.7	13
104	åšæ°æ@æCE-æŽ'çš,,ç2'è@;ç@-ç†è@ä,Žæ-1æ3•. Scientia Sinica Informationis, 2015, 45, 1355-1369.	0.2	13
105	Accelerator for crosswise computing reduct. Applied Soft Computing Journal, 2021, 98, 106740.	4.1	12
106	Data-guided multi-granularity selector for attribute reduction. Applied Intelligence, 2021, 51, 876-888.	3.3	12
107	Evaluation of the decision performance of the decision rule set from an ordered decision table. Knowledge-Based Systems, 2012, 36, 39-50.	4.0	11
108	Three novel accurate pixel-driven projection methods for 2D CT and 3D EPR imaging. Journal of X-Ray Science and Technology, 2018, 26, 83-102.	0.7	11

#	ARTICLE	IF	CITATIONS
109	Multi-level preference regression for cold-start recommendations. International Journal of Machine Learning and Cybernetics, 2018, 9, 1117-1130.	2.3	11
110	Pairwise Relations Oriented Discriminative Regression. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 2646-2660.	5.6	10
111	A Tensor Generalized Weighted Linear Predictor for FDA-MIMO Radar Parameter Estimation. IEEE Transactions on Vehicular Technology, 2022, 71, 6059-6072.	3.9	10
112	Multiscale fusion and aggregation PCNN for 3D shape recovery. Information Sciences, 2020, 536, 277-297.	4.0	9
113	Label enhancement-based feature selection via fuzzy neighborhood discrimination index. Knowledge-Based Systems, 2022, 250, 109119.	4.0	9
114	Comparison study of orthonormal representations of functional data in classification. Knowledge-Based Systems, 2016, 97, 224-236.	4.0	8
115	A Seed Expansion Graph Clustering Method for Protein Complexes Detection in Protein Interaction Networks. Molecules, 2017, 22, 2179.	1.7	8
116	Object-oriented interval-set concept lattices. International Journal of Approximate Reasoning, 2019, 110, 64-81.	1.9	8
117	Association mining method based on neighborhood perspective. Scientia Sinica Informationis, 2020, 50, 824-844.	0.2	7
118	Local Feature Selection for Large-scale Data Sets Limited Labels. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-12.	4.0	7
119	An attribute reduction approach and its accelerated version for hybrid data. , 2009, , .		6
120	A heuristic method to attribute reduction for concept lattice. , 2010, , .		6
121	Featureâ€“granularity selection with variable costs for hybrid data. Soft Computing, 2019, 23, 13105-13126.	2.1	6
122	Path-based estimation for link prediction. International Journal of Machine Learning and Cybernetics, 2021, 12, 2443-2458.	2.3	6
123	Dependence space models to construct concept lattices. International Journal of Approximate Reasoning, 2020, 123, 1-16.	1.9	6
124	Partial ordering of information granulations: a further investigation. Expert Systems, 2012, 29, 3-24.	2.9	5
125	A quantitative approach to reasoning about incomplete knowledge. Information Sciences, 2018, 451-452, 100-111.	4.0	5
126	Diversity-induced fuzzy clustering. International Journal of Approximate Reasoning, 2019, 106, 89-106.	1.9	5

#	ARTICLE	IF	CITATIONS
127	Gaussian kernel fuzzy rough based attribute reduction: An acceleration approach. Journal of Intelligent and Fuzzy Systems, 2020, 39, 679-695.	0.8	5
128	BIC-based node order learning for improving Bayesian network structure learning. Frontiers of Computer Science, 2021, 15, 1.	1.6	5
129	Target control based on edge dynamics in complex networks. Scientific Reports, 2020, 10, 9991.	1.6	4
130	An Efficient Fuzzy-Rough Attribute Reduction Approach. Lecture Notes in Computer Science, 2011, , 63-70.	1.0	4
131	Multi-granulation Multi-scale Relation Network for Abstract Reasoning. International Journal of Machine Learning and Cybernetics, 2022, 13, 1751-1762.	2.3	4
132	Variable precision multi-granulation rough set. , 2012, , .		3
133	A cautious ranking methodology with its application for stock screening. Applied Soft Computing Journal, 2018, 71, 835-848.	4.1	3
134	Mining Logic Patterns from Visual Data. , 2019, , .		3
135	Learning with mitigating random consistency from the accuracy measure. Machine Learning, 2020, 109, 2247-2281.	3.4	3
136	Attributeâ€scale selection for hybrid data with test cost constraint: The approach and uncertainty measures. International Journal of Intelligent Systems, 2022, 37, 3297-3333.	3.3	3
137	Clustering mixed type data: a space structure-based approach. International Journal of Machine Learning and Cybernetics, 2022, 13, 2799-2812.	2.3	3
138	Implementation of GPU-accelerated back projection for EPR imaging. Journal of X-Ray Science and Technology, 2015, 23, 423-433.	0.7	2
139	Investigation of the preconditioner-parameter in the preconditioned Chambolle-Pock algorithm applied to optimization-based image reconstruction. Journal of X-Ray Science and Technology, 2018, 26, 435-448.	0.7	2
140	Logic could be learned from images. International Journal of Machine Learning and Cybernetics, 2021, 12, 3397-3414.	2.3	2
141	Closed-Label Concept Lattice Based Rule Extraction Approach. Lecture Notes in Computer Science, 2012, , 690-698.	1.0	2
142	Consistency and Fuzziness in Ordered Decision Tables. , 2008, , 63-71.		2
143	GLRM: Logical pattern mining in the case of inconsistent data distribution based on multigranulation strategy. International Journal of Approximate Reasoning, 2022, 143, 78-101.	1.9	2
144	A Linear Differentiator Based on the Extended Dynamics Approach. IEEE Transactions on Automatic Control, 2022, , 1-7.	3.6	2

#	ARTICLE	IF	CITATIONS
145	Granulation operators on a knowledge base. , 2008, , .		1
146	Accelerating incomplete feature selection. , 2009, , .		1
147	Preorder Information Based Attributes' Weights Learning in Multi-attribute Decision Making. Fundamenta Informaticae, 2014, 132, 331-347.	0.3	1
148	Neighborhood Information-based Method for Multivariate Association Mining. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	4.0	1
149	Incremental Feature Spaces Learning with Label Scarcity. ACM Transactions on Knowledge Discovery From Data, 2022, 16, 1-26.	2.5	1
150	Change mechanism of a decision table’s decision performance caused by attribute reductions. , 2008, , .		0
151	On Partial Order Relations in Granular Computing. , 2010, , .		0
152	How to organize data with measurement errors?. , 2011, , .		0
153	Fuzziness-Preserving Attribute Reduction from Hybrid Data. Lecture Notes in Computer Science, 2013, , 692-699.	1.0	0
154	A naive learning algorithm for classâ€bridgeâ€decomposable multidimensional Bayesian network classifiers. Concurrency Computation Practice and Experience, 2020, 32, e5778.	1.4	0