List of Publications by Year
in descending order

42 papers	**4,970** citations	117571 **34** h-index	265120 **42** g-index
42 all docs	**42** docs citations	**42** times ranked	**1817** citing authors

#	Article	IF	Citations
1	Positive approximation: An accelerator for attribute reduction in rough set theory. Artificial Intelligence, 2010, 174, 597-618.	3.9	638
2	MGRS: A multi-granulation rough set. Information Sciences, 2010, 180, 949-970.	4.0	597
3	Incomplete Multigranulation Rough Set. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2010, 40, 420-431.	3.4	294
4	A new method for measuring uncertainty and fuzziness in rough set theory. International Journal of General Systems, 2002, 31, 331-342.	1.2	293
5	Stability Analysis of Positive Switched Linear Systems With Delays. IEEE Transactions on Automatic Control, 2011, 56, 1684-1690.	3.6	287
6	A Group Incremental Approach to Feature Selection Applying Rough Set Technique. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 294-308.	4.0	238
7	Knowledge structure, knowledge granulation and knowledge distance in a knowledge base. International Journal of Approximate Reasoning, 2009, 50, 174-188.	1.9	181
8	An efficient accelerator for attribute reduction from incomplete data in rough set framework. Pattern Recognition, 2011, 44, 1658-1670.	5.1	172
9	Information Granularity in Fuzzy Binary GrC Model. IEEE Transactions on Fuzzy Systems, 2011, 19, 253-264.	6.5	162
10	An efficient rough feature selection algorithm with a multi-granulation view. International Journal of Approximate Reasoning, 2012, 53, 912-926.	1.9	153
11	Set-valued ordered information systems. Information Sciences, 2009, 179, 2809-2832.	4.0	152
12	Interval ordered information systems. Computers and Mathematics With Applications, 2008, 56, 1994-2009.	1.4	140
13	Fuzzy-rough feature selection accelerator. Fuzzy Sets and Systems, 2015, 258, 61-78.	1.6	128
14	An Evolutionary Algorithm for Global Optimization Based on Level-Set Evolution and Latin Squares. IEEE Transactions on Evolutionary Computation, 2007, 11, 579-595.	7.5	117
15	Local rough set: A solution to rough data analysis in big data. International Journal of Approximate Reasoning, 2018, 97, 38-63.	1.9	114
16	Determining the number of clusters using information entropy for mixed data. Pattern Recognition, 2012, 45, 2251-2265.	5.1	109
17	Measures for evaluating the decision performance of a decision table in rough set theory. Information Sciences, 2008, 178, 181-202.	4.0	96
18	Attribute reduction for dynamic data sets. Applied Soft Computing Journal, 2013, 13, 676-689.	4.1	95

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19	A dissimilarity measure for the k-Modes clustering algorithm. Knowledge-Based Systems, 2012, 26, 120-127.	4.0	91
20	A novel attribute weighting algorithm for clustering high-dimensional categorical data. Pattern Recognition, 2011, 44, 2843-2861.	5.1	75
21	Grouping granular structures in human granulation intelligence. Information Sciences, 2017, 382-383, 150-169.	4.0	66
22	An initialization method to simultaneously find initial cluster centers and the number of clusters for clustering categorical data. Knowledge-Based Systems, 2011, 24, 785-795.	4.0	63
23	Attribute reduction for sequential three-way decisions under dynamic granulation. International Journal of Approximate Reasoning, 2017, 85, 196-216.	1.9	63
24	Space Structure and Clustering of Categorical Data. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2047-2059.	7.2	62
25	Converse approximation and rule extraction from decision tables in rough set theory. Computers and Mathematics With Applications, 2008, 55, 1754-1765.	1.4	59
26	Fuzzy Granular Structure Distance. IEEE Transactions on Fuzzy Systems, 2015, 23, 2245-2259.	6.5	54
27	Consistency measure, inclusion degree and fuzzy measure in decision tables. Fuzzy Sets and Systems, 2008, 159, 2353-2377.	1.6	49
28	Clustering ensemble selection for categorical data based on internal validity indices. Pattern Recognition, 2017, 69, 150-168.	5.1	49
29	A Framework for Clustering Categorical Time-Evolving Data. IEEE Transactions on Fuzzy Systems, 2010, 18, 872-882.	6.5	47
30	A New Evolutionary Algorithm for a Class of Nonlinear Bilevel Programming Problems and Its Global Convergence. INFORMS Journal on Computing, 2011, 23, 618-629.	1.0	43
31	A stratified sampling based clustering algorithm for large-scale data. Knowledge-Based Systems, 2019, 163, 416-428.	4.0	38
32	Compacted decision tables based attribute reduction. Knowledge-Based Systems, 2015, 86, 261-277.	4.0	37
33	Stability Analysis and Constrained Control of a Class of Fuzzy Positive Systems with Delays Using Linear Copositive Lyapunov Functional. Circuits, Systems, and Signal Processing, 2012, 31, 1863-1875.	1.2	36
34	A novel fuzzy clustering algorithm with between-cluster information for categorical data. Fuzzy Sets and Systems, 2013, 215, 55-73.	1.6	35
35	On the evaluation of the decision performance of an incomplete decision table. Data and Knowledge Engineering, 2008, 65, 373-400.	2.1	32
36	Stability and Constrained Control of a Class of Discrete-Time Fuzzy Positive Systems with Time-Varying Delays. Circuits, Systems, and Signal Processing, 2013, 32, 889-904.	1.2	24

#	Article	IF	Citations
37	Can fuzzy entropies be effective measures for evaluating the roughness of a rough set?. Information Sciences, 2013, 232, 143-166.	4.0	19
38	Comparative study of decision performance of decision tables induced by attribute reductions. International Journal of General Systems, 2010, 39, 813-838.	1.2	18
39	Knowledge distance in information systems. Journal of Systems Science and Systems Engineering, 2007, 16, 434-449.	0.8	14
40	UNCERTAINTY MEASURE OF ROUGH SETS BASED ON A KNOWLEDGE GRANULATION FOR INCOMPLETE INFORMATION SYSTEMS. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2008, 16, 233-244.	0.9	14
41	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
42	Partial ordering of information granulations: a further investigation. Expert Systems, 2012, 29, 3-24.	2.9	5