Variable precision rough set model

Citation Report

#	Article	IF	Citations
1	A GA-based approach to rough data model. , 0, , .		8
2	Design of a Compiler for the Generation of Self-Testable Macros. , 1988, , .		2
3	Self-Tuning Adaptive Control using Fourier Series Neural Networks. , 1993, , .		4
4	Anomaly detection. , 1994, , .		7
5	Machine learning: rough sets perspective. , 0, , .		2
6	VAGUENESS AND UNCERTAINTY: A ROUGH SET PERSPECTIVE. Computational Intelligence, 1995, 11, 227-232.	2.1	118
7	DATA-BASED ACQUISITION AND INCREMENTAL MODIFICATION OF CLASSIFICATION RULES. Computational Intelligence, 1995, 11, 357-370.	2.1	167
8	EXTRACTING LAWS FROM DECISION TABLES: A ROUGH SET APPROACH. Computational Intelligence, 1995, 11, 371-388.	2.1	131
9	PRIMEROSE: PROBABILISTIC RULE INDUCTION METHOD BASED ON ROUGH SETS AND RESAMPLING METHODS. Computational Intelligence, 1995, 11, 389-405.	2.1	76
10	Rough sets. Communications of the ACM, 1995, 38, 88-95.	3.3	1,817
11	A methodology for stock market analysis utilizing rough set theory. , 0, , .		26
12	Induction of classification rules from imperfect data. Lecture Notes in Computer Science, 1996, , 118-127.	1.0	2
13	TOLERANCE APPROXIMATION SPACES. Fundamenta Informaticae, 1996, 27, 245-253.	0.3	763
14	VARIABLE PRECISION EXTENSION OF ROUGH SETS. Fundamenta Informaticae, 1996, 27, 155-168.	0.3	71
15	A COMMON ALGEBRAIC FRAMEWORK OF EMPIRICAL LEARNING METHODS BASED ON ROUGH SETS AND MATROID THEORY. Fundamenta Informaticae, 1996, 27, 273-288.	0.3	6
16	ROUGH SETS, ROUGH RELATIONS AND ROUGH FUNCTIONS. Fundamenta Informaticae, 1996, 27, 103-108.	0.3	97
17	Rough sets applied to materials data. Acta Materialia, 1996, 44, 4475-4484.	3.8	19
18	Discovering rules for water demand prediction: An enhanced rough-set approach. Engineering Applications of Artificial Intelligence, 1996, 9, 645-653.	4.3	118

#	ARTICLE	IF	CITATIONS
19	A METHOD FOR COMPUTING ALL MAXIMALLY GENERAL RULES IN ATTRIBUTE-VALUE SYSTEMS. Computational Intelligence, 1996, 12, 223-234.	2.1	28
20	On Discovery of Attribute Interactions and Domain Classifications. Intelligent Automation and Soft Computing, 1996, 2, 211-218.	1.6	7
21	Extraction of diagnostic knowledge from clinical databases based on rough set theory. , 0, , .		0
22	Rough Sets Present State and Further Prospects. Intelligent Automation and Soft Computing, 1996, 2, 95-101.	1.6	7
23	Why rough sets?. , 0, , .		71
24	Extraction of domain knowledge from databases based on rough set theory. , 0, , .		7
25	Using RSDM to mine socio-economic indicators. , 0, , .		0
26	Learning maximal generalized decision rules via discretization, generalization and rough set feature selection. , 0, , .		9
27	Combination of Rough and Fuzzy Sets Based on Î±-Level Sets. , 1997, , 301-321.		113
28	Rough Sets and Data Mining. , 1997, , .		146
29	Applying knowledge discovery to predict water-supply consumption. IEEE Intelligent Systems, 1997, 12, 72-78.	1.1	38
30	Machine Learning Through Data Classification and Reduction. Fundamenta Informaticae, 1997, 30, 373-382.	0.3	5
31	Decision Algorithms: a Survey of Rough Set - Theoretic Methods. Fundamenta Informaticae, 1997, 30, 345-358.	0.3	40
32	Automated extraction of medical expert system rules from clinical databases based on rough set theory. Information Sciences, 1998, 112, 67-84.	4.0	246
33	Extraction of experts' decision rules from clinical databases using rough set model. Intelligent Data Analysis, 1998, 2, 215-227.	0.4	44
34	Discovery of Decision Rules by Matching New Objects Against Data Tables. Lecture Notes in Computer Science, 1998, , 521-528.	1.0	19
35	Handling Continuous Attributes in Discovery of Strong Decision Rules. Lecture Notes in Computer Science, 1998, , 394-401.	1.0	11
36	Knowledge discovery in medical databases based on rough sets and attribute-oriented generalization. , 0, , .		12

#	ARTICLE	IF	CITATIONS
39	Granularity of knowledge, indiscernibility and rough sets. , 0, , .		128
40	Rough-fuzzy membership functions. , 0, , .		12
41	Fuzzy-rough membership functions. , 0, , .		6
42	Calculus of Contextual Rough Sets in Contextual Spaces. Journal of Applied Non-Classical Logics, 1998, 8, 9-26.	0.4	1
43	Modal reasoning and rough set theory. Lecture Notes in Computer Science, 1998, , 317-330.	1.0	5
44	Optimizations of Rough Set Model. Fundamenta Informaticae, 1998, 36, 265-283.	0.3	12
45	Extraction of Experts' Decision Rules from Clinical Databases Using Rough Set Model. Intelligent Data Analysis, 1998, 2, 215-227.	0.4	36
47	Interactive visualisation for predictive modelling with decision tree induction. Lecture Notes in Computer Science, 1998, , 158-166.	1.0	0
48	Context-Free Fuzzy Sets in Data Mining Context. Lecture Notes in Computer Science, 1999, , 212-220.	1.0	1
49	Knowledge discovery in clinical databases: An experiment with rule induction and statistics. Lecture Notes in Computer Science, 1999, , 349-357.	1.0	2
50	Decision Making with Probabilistic Decision Tables. Lecture Notes in Computer Science, 1999, , 463-471.	1.0	19
51	Knowledge Discovery in Medical Multi-databases: A Rough Set Approach. Lecture Notes in Computer Science, 1999, , 147-155.	1.0	5
52	Rough sets and reasoning about complications-granular computation in medical reasoning. , 0, , .		0
53	Automated Discovery of Plausible Rules Based on Rough Sets and Rough Inclusion. Lecture Notes in Computer Science, 1999, , 210-219.	1.0	14
54	Rule extraction based on rough set theory and its application to medical data analysis. , 0, , .		9
55	Application of Rough Sets Algorithms to Prediction of Aircraft Component Failure. Lecture Notes in Computer Science, 1999, , 473-484.	1.0	14
56	Modelling prognostic power of cardiac tests using rough sets. Artificial Intelligence in Medicine, 1999, 15, 167-191.	3.8	76
57	Data Mining via Discretization, Generalization and Rough Set Feature Selection. Knowledge and Information Systems, 1999, 1, 33-60.	2.1	37

#	Article	IF	Citations
58	Discovery of rules for medical expert systems-rough set approach. , 0, , .		6
60	Predicting factors affecting likelihoods in engineering problems. , 0, , .		0
61	Experiments with rough sets approach to speech recognition. Lecture Notes in Computer Science, 1999, , 376-384.	1.0	2
62	Rules as Attributes in Classifier Construction. Lecture Notes in Computer Science, 1999, , 492-499.	1.0	7
64	<title>Fuzzification of attribute-oriented generalization and its application to medicine</title>. , 2000, , .		0
65	Rough Sets And Decision Analysis. Infor, 2000, 38, 132-144.	0.5	30
66	Automated Knowledge Discovery In Clinical Databases Based On Rough Set Model. Infor, 2000, 38, 196-207.	0.5	1
67	<title>Discovery of approximate concepts in clinical databases based on a rough set model</title>. , 2000, 4057, 74.		1
68	Knowledge discovery in clinical databases and evaluation of discovered knowledge in outpatient clinic. Information Sciences, 2000, 124, 125-137.	4.0	105
69	Î±-RST: a generalization of rough set theory. Information Sciences, 2000, 124, 301-316.	4.0	122
70	Classification and rule induction using rough set theory. Expert Systems, 2000, 17, 136-148.	2.9	30
71	Automated discovery of positive and negative knowledge in clinical databases. IEEE Engineering in Medicine and Biology Magazine, 2000, 19, 56-62.	1.1	50
72	Consistency and Completeness in Rough Sets. Journal of Intelligent Information Systems, 2000, 15, 207-220.	2.8	3
73	Knowledge acquisition from quantitative data using the rough-set theory. Intelligent Data Analysis, 2000, 4, 289-304.	0.4	27
74	Generalized rough sets based feature selection. Intelligent Data Analysis, 2000, 4, 3-17.	0.4	14
75	AN OVERVIEW OF ROUGH SET SEMANTICS FOR MODAL AND QUANTIFIER LOGICS. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2000, 08, 93-118.	0.9	28
76	Entropy based uncertainty measures for classification rules with inconsistency tolerance. , 0, , .		12
77	Rough Set Algorithms in Classification Problem. Studies in Fuzziness and Soft Computing, 2000, , 49-88.	0.6	283

#	ARTICLE	IF	CITATIONS
78	A handwritten numeral character classification using tolerant rough set. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2000, 22, 923-937.	9.7	63
79	Diagnostic reasoning as granular computing. , 0, , .		0
80	Rough Sets and Decision Algorithms. Lecture Notes in Computer Science, 2001, , 30-45.	1.0	27
81	Supervised Learning: A Generalized Rough Set Approach. Lecture Notes in Computer Science, 2001, , 322-329.	1.0	1
82	An Approach to Statistical Extention of Rough Set Rule Induction. Lecture Notes in Computer Science, 2001, , 362-369.	1.0	3
83	Medical diagnostic rules as upper approximation of rough sets. , 0, , .		7
84	Rule induction system based on characterization of medical diagnosis using rough sets. , 0, , .		3
86	Web Intelligence: Research and Development. Lecture Notes in Computer Science, 2001, , .	1.0	13
87	<title>Data mining and online recognition of mammographic images based on Haar wavelets, principal component analysis, and rough sets methods</title>. , 2001, , .		2
88	<title>Statistical extension of rough set rule induction</title>. , 2001, 4384, 180.		6
89	Rough Sets : Past, Present and Future. Journal of Japan Society for Fuzzy Theory and Systems, 2001, 13, 552-561.	0.0	5
90	<title>Medical knowledge discovery in hospital information systems</title>. , 2001, , .		0
91	Reducts within the variable precision rough sets model: A further investigation. European Journal of Operational Research, 2001, 134, 592-605.	3.5	281
92	Roughian: Rough information analysis. International Journal of Intelligent Systems, 2001, 16, 121-147.	3.3	27
93	Refining classifiers with neural networks. International Journal of Intelligent Systems, 2001, 16, 39-55.	3.3	11
94	The Variable Precision Rough Set Inductive Logic Programming Model and Strings. Computational Intelligence, 2001, 17, 460-471.	2.1	9
95	Rough sets as a front end of neural-networks texture classifiers. Neurocomputing, 2001, 36, 85-102.	3.5	91
96	Variable precision rough set theory and data discretisation: an application to corporate failure prediction. Omega, 2001, 29, 561-576.	3.6	219

#	Article	IF	Citations
97	Vocabulary mining for information retrieval: rough sets and fuzzy sets. Information Processing and Management, 2001, 37, 15-38.	5.4	83
98	Knowledge discovery in marketing. European Journal of Marketing, 2001, 35, 915-937.	1.7	24
100	Learning approximate fuzzy rules from training examples. , 0, , .		2
101	Using rough sets theory and database operations to construct a good ensemble of classifiers for data mining applications. , 0, , .		23
102	The Variable Precision Rough Set Model for Web Usage Mining. Lecture Notes in Computer Science, 2001, , 520-524.	1.0	8
103	Acquisition of hierarchy-structured probabilistic decision tables and rules from data. , 0, , .		9
104	Learning fuzzy rules from incomplete quantitative data by rough sets. , 0, , .		2
106	Statistical evidence for rough set analysis. , 0, , .		5
108	Accuracy and Coverage in Rough Set Rule Induction. Lecture Notes in Computer Science, 2002, , 373-380.	1.0	29
109	<title>Comparison of induced rules based on likelihood estimation</title>. , 2002, , .		0
110	Rough sets model based on partition. , 0, , .		0
111	<title>Statistical test for rough set approximation</title>. , 2002, , .		0
112	Learning rules from incomplete training examples by rough sets. Expert Systems With Applications, 2002, 22, 285-293.	4.4	93
113	Rough–fuzzy functions in classification. Fuzzy Sets and Systems, 2002, 132, 353-369.	1.6	66
114	Economic and financial prediction using rough sets model. European Journal of Operational Research, 2002, 141, 641-659.	3.5	175
115	Inclusion degree: a perspective on measures for rough set data analysis. Information Sciences, 2002, 141, 227-236.	4.0	80
116	Neighborhood operator systems and approximations. Information Sciences, 2002, 144, 201-217.	4.0	204
117	Mobile clinical support system for pediatric emergencies. Decision Support Systems, 2003, 36, 161-176.	3.5	68

#	Article	IF	Citations
118	Approaches to knowledge reductions in inconsistent systems. International Journal of Intelligent Systems, 2003, 18, 989-1000.	3.3	181
119	The introduction and utilization of (l,u)-graphs in the extended variable precision rough sets model. International Journal of Intelligent Systems, 2003, 18, 1035-1055.	3.3	9
120	Generalized fuzzy rough sets. Information Sciences, 2003, 151, 263-282.	4.0	512
121	An illustration of variable precision rough set theory: the gender classification of the European barn swallow (Hirundo rustica). Bulletin of Mathematical Biology, 2003, 65, 835-858.	0.9	8
122	On Î²-Precision aggregation. Fuzzy Sets and Systems, 2003, 139, 547-558.	1.6	9
123	Rough set analysis of a general type of fuzzy data using transitive aggregations of fuzzy similarity relations. Fuzzy Sets and Systems, 2003, 139, 635-660.	1.6	131
124	Automated extraction of hierarchical decision rules from clinical databases using rough set model. Expert Systems With Applications, 2003, 24, 189-197.	4.4	72
125	Variable-Precision Compatibility Spaces. Electronic Notes in Theoretical Computer Science, 2003, 82, 120-131.	0.9	0
126	Evidence Theory and VPRS model. Electronic Notes in Theoretical Computer Science, 2003, 82, 153-163.	0.9	3
127	Attribute Reduction in the Bayesian Version of Variable Precision Rough Set Model. Electronic Notes in Theoretical Computer Science, 2003, 82, 263-273.	0.9	51
128	A Method for Extracting Rules from Incomplete Information System. Electronic Notes in Theoretical Computer Science, 2003, 82, 310-317.	0.9	1
129	Introduction and Elucidation of the Quality of Sagacity in the Extended Variable Precision Rough Sets Model. Electronic Notes in Theoretical Computer Science, 2003, 82, 30-39.	0.9	1
130	Rough sets: current and future developments. Expert Systems, 2003, 20, 247-250.	2.9	2
131	Probabilistic approaches to rough sets. Expert Systems, 2003, 20, 287-297.	2.9	315
132	Acquisition of hierarchy-structured probabilistic decision tables and rules from data. Expert Systems, 2003, 20, 305-310.	2.9	36
133	A novel weighting formula and feature selection for text classification based on rough set theory. , 0, , .		5
134	Variable Precision Bayesian Rough Set Model. , 2003, , 312-315.		25
135	Application of rough sets in the presumptive diagnosis of urinary system diseases. , 2003, , 41-51.		62

#	ARTICLE	IF	CITATIONS
136	Advances in Web-Age Information Management. Lecture Notes in Computer Science, 2003, , .	1.0	2
137	A New Multivariate Decision Tree Construction Algorithm Based on Variable Precision Rough Set. Lecture Notes in Computer Science, 2003, , 238-246.	1.0	2
138	A fast approach to building rough data model through G-K fuzzy clustering. , 0, , .		0
139	Rough Set Based Decision Tree Model for Classification. Lecture Notes in Computer Science, 2003, , 172-181.	1.0	14
140	A comparative study of incomplete and complete information systems. , 0, , .		0
141	A CBR model for knowledge sharing in supply chain based on generalized rough set. , 0, , .		0
142	<title>Automated rule induction with grouping target concepts</title>. , 2003, , .		0
143	Using Rough Sets Theory and Minimum Description Length Principle to Improve a Î²-TSK Fuzzy Revision Method for CBR Systems. Lecture Notes in Computer Science, 2004, , 424-433.	1.0	0
144	Toward Rough Set Foundations. Mereological Approach. Lecture Notes in Computer Science, 2004, , 8-25.	1.0	33
145	Remarks on Approximation Quality in Variable Precision Fuzzy Rough Sets Model. Lecture Notes in Computer Science, 2004, , 402-411.	1.0	15
146	Variable Precision Fuzzy Rough Sets. Lecture Notes in Computer Science, 2004, , 144-160.	1.0	55
147	Dominance-Based Rough Set Approach to Knowledge Discovery (II): Extensions and Applications. , 2004, , 553-612.		13
149	Decision rule generalization algorithms on tolerance rough set model. , 0, , .		0
150	Granular data model: semantic data mining and computing with words. , 0, , .		1
151	RST-based system design of hybrid intelligent control. , 0, , .		5
152	The significance measure for attributes in inconsistent decision tables. , 0, , .		0
153	Granular entropy based hybrid knowledge reduction using uniform rough approximations. , 0, , .		1
154	Variable precision rough set model based on general relation. , 0, , .		10

#	Article	IF	Citations
155	Fuzzy control for manufacturing quality based on variable precision rough set. , 0, , .		8
156	The Rough Bayesian Model for Distributed Decision Systems. Lecture Notes in Computer Science, 2004, , 384-393.	1.0	9
157	Some Issues on Rough Sets. Lecture Notes in Computer Science, 2004, , 1-58.	1.0	156
159	PROBABILISTIC ROUGH SETS CHARACTERIZED BY FUZZY SETS. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2004, 12, 47-60.	0.9	26
160	A Note on Fuzzy Reasoning and Granularized Possible Worlds. AIP Conference Proceedings, 2004, , .	0.3	4
161	A model for valuation of the branch offices of a savings bank based on rough sets. Intelligent Systems in Accounting, Finance and Management, 2004, 12, 187-213.	2.8	1
162	The prediction of profitability using accounting narratives: a variable-precision rough set approach. Intelligent Systems in Accounting, Finance and Management, 2004, 12, 227-242.	2.8	11
163	Explaining the Diffusion of Medicaid Home Care Waiver Programs Using VPRS Decision Rules. Health Care Management Science, 2004, 7, 237-244.	1.5	7
164	Application of fuzzy logic and variable precision rough set approach in a remote monitoring manufacturing process for diagnosis rule induction. Journal of Intelligent Manufacturing, 2004, 15, 395-408.	4.4	23
165	Rough Neural Network of Variable Precision. Neural Processing Letters, 2004, 19, 73-87.	2.0	16
166	Sampling aspects of rough set theory. Computational Management Science, 2004, 1, 151.	0.8	1
167	Stability of continuous value discretisation: an application within rough set theory. International Journal of Approximate Reasoning, 2004, 35, 29-53.	1.9	24
168	Approaches to knowledge reduction based on variable precision rough set model. Information Sciences, 2004, 159, 255-272.	4.0	359
169	An axiomatic characterization of a fuzzy generalization of rough sets. Information Sciences, 2004, 160, 235-249.	4.0	344
170	Mining diagnostic rules from clinical databases using rough sets and medical diagnostic model. Information Sciences, 2004, 162, 65-80.	4.0	118
171	Approximating functions using rough sets. , 2004, , .		7
172	Semantics-preserving dimensionality reduction: rough and fuzzy-rough-based approaches. IEEE Transactions on Knowledge and Data Engineering, 2004, 16, 1457-1471.	4.0	558
173	Incremental learning with hierarchies of rough decision tables. , 2004, , .		2

#	ARTICLE	IF	CITATIONS
174	Variable precision dominance based rough set model and reduction algorithm for preference-ordered data. , 0, , .		3
175	A rough sets based approach to feature selection. , 2004, , .		42
178	A general rough set model based on tolerance. , 0, , .		3
179	A Note on Ziarko's Variable Precision Rough Set Model and Nonmonotonic Reasoning. Lecture Notes in Computer Science, 2004, , 103-108.	1.0	5
180	Toward Rough Knowledge Bases with Quantitative Measures. Lecture Notes in Computer Science, 2004, , 153-158.	1.0	2
181	An Expert System for the Utilisation of the Variable Precision Rough Sets Model. Lecture Notes in Computer Science, 2004, , 714-720.	1.0	1
182	On a Tool for Rough Non-deterministic Information Analysis and Its Perspective for Handling Numerical Data. Lecture Notes in Computer Science, 2005, , 203-214.	1.0	4
183	The investigation of the Bayesian rough set model. International Journal of Approximate Reasoning, 2005, 40, 81-91.	1.9	352
184	Expositing stages of VPRS analysis in an expert system: Application with bank credit ratings. Expert Systems With Applications, 2005, 29, 879-888.	4.4	15
185	Knowledge reduction in random information systems via Dempster–Shafer theory of evidence. Information Sciences, 2005, 174, 143-164.	4.0	198
186	An illustration of variable precision rough sets model: an analysis of the findings of the UK Monopolies and Mergers Commission. Computers and Operations Research, 2005, 32, 1739-1759.	2.4	23
187	Supporting triage of children with abdominal pain in the emergency room. European Journal of Operational Research, 2005, 160, 696-709.	3.5	42
188	On acquiring classification knowledge from noisy data based on rough set. Expert Systems With Applications, 2005, 29, 49-64.	4.4	23
189	Refining decision tree classifiers using rough set tools. International Journal of Hybrid Intelligent Systems, 2005, 2, 133-148.	0.9	3
190	Statistical Independence from the Viewpoint of Linear Algebra. Lecture Notes in Computer Science, 2005, , 56-64.	1.0	1
191	Rough Sets and Bayes Factor. Lecture Notes in Computer Science, 2005, , 202-229.	1.0	76
192	Probabilistic Rough Sets. Lecture Notes in Computer Science, 2005, , 283-293.	1.0	49
193	Approximation Spaces and Information Granulation. Lecture Notes in Computer Science, 2005, , 175-189.	1.0	62

#	ARTICLE	IF	CITATIONS
194	Analysis of using granules to find association rules. , 2005, , .		4
195	A data-driven knowledge acquisition method based on system uncertainty. , 2005, , .		3
196	Modelling Satisfaction with Automated Banking Channels. Services Marketing Quarterly, 2005, 26, 77-94.	0.7	4
197	Decision Rule Approach. , 2005, , 507-555.		89
199	Rough Set Based Classification rules generation for SARS Patients. , 2005, 2005, 6977-80.		0
200	Knowledge acquisition in incomplete information systems based on variable precision rough set model. , 2005, , .		5
201	Method of scores analysis based on rough set theory. , 2005, , .		0
202	Structure-based approaches to attribute reduction in variable precision rough set models. , 2005, , .		9
203	A generalized definition of rough approximation based on similarity in variable precision rough sets. , 2005, , .		1
204	Advanced Techniques in Knowledge Discovery and Data Mining. , 2005, , .		8
207	Attribute value reduction in variable precision rough set. , 2005, , .		1
208	Novel Approaches to Knowledge Reduction in Inconsistent Decision Systems. , 0, , .		1
209	On Rough Judgment Making by Socio-cognitive Agents. , 0, , .		1
210	Fuzzy approximation operators based on internal/external factors analysis. , 2005, , .		0
211	Several Approaches to Attribute Reduction in Variable Precision Rough Set Model. Lecture Notes in Computer Science, 2005, , 215-226.	1.0	18
212	An extended Chi2 algorithm for discretization of real value attributes. IEEE Transactions on Knowledge and Data Engineering, 2005, 17, 437-441.	4.0	136
214	Modeling Decisions for Artificial Intelligence. Lecture Notes in Computer Science, 2005, , .	1.0	1
215	Transactions on Rough Sets II. Lecture Notes in Computer Science, 2005, , .	1.0	9

#	ARTICLE	IF	CITATIONS
216	Program Realization of Rough Set Attributes Reduction. , 2006, , .		7
217	A Forecasting Model of Dynamic Grey Rough Set and its Application on Stock Selection. , 2006, , .		2
218	Ensembles of classifiers based on rough sets theory and set-oriented database operations. , 0, , .		1
219	Rough Set Method Based on Multi-Granulations. , 2006, , .		85
220	Development of a New Method for Data Mining Based Rough Set Theory. , 2006, , .		0
221	A new knowledge reduction in inconsistent decision information system. , 0, , .		0
222	Knowledge Reduction Based on Binary Discernibility Matrix in Variable Precision Rough Set. , 2006, , .		2
223	Integrating data mining and rough set for customer group-based discovery of product configuration rules. International Journal of Production Research, 2006, 44, 2789-2811.	4.9	80
224	Dependence space of concept lattices based on rough set. , 0, , .		0
225	Approximation method in incomplete information systems based on variable precision model. , 0, , .		0
226	On Rule Induction Method Based Rough Sets in Diagnostic Expert System. , 2006, , .		0
227	Rough Set Approach to Customer Satisfaction Analysis. Lecture Notes in Computer Science, 2006, , 284-295.	1.0	9
228	Predicting corporate bankruptcy: where we stand?. Corporate Governance (Bingley), 2006, 6, 18-33.	3.2	213
229	Dynamic information system and its rough set model based on time sequence. , 0, , .		1
230	VPRS MODEL FOR MOBILE PHONE TEST PROCEDURE. Journal of the Chinese Institute of Industrial Engineers, 2006, 23, 345-355.	0.5	1
231	Knowledge acquisition in incomplete information systems: A rough set approach. European Journal of Operational Research, 2006, 168, 164-180.	3.5	275
232	Entropy-based fuzzy rough classification approach for extracting classification rules. Expert Systems With Applications, 2006, 31, 436-443.	4.4	51
233	Interpreting and extracting fuzzy decision rules from fuzzy information systems and their inference. Information Sciences, 2006, 176, 1869-1897.	4.0	22

#	Article	IF	Citations
234	Precision parameter in the variable precision rough sets model: an application. Omega, 2006, 34, 149-157.	3.6	67
235	Weighted Rough Set Model. , 2006, , .		7
236	A rough set approach to mining concise rules from inconsistent data. , 0, , .		7
237	A New Knowledge Discovery Model for Extracting Diagnosis Rules of Manufacturing Process. Materials Science Forum, 2006, 505-507, 889-894.	0.3	1
238	On Variable Consistency Dominance-Based Rough Set Approaches. Lecture Notes in Computer Science, 2006, , 191-202.	1.0	17
239	Rough set-based neuro-fuzzy system. , 2006, , .		10
240	Rough Mereological Reasoning in Rough Set Theory: Recent Results and Problems. Lecture Notes in Computer Science, 2006, , 79-92.	1.0	6
241	Improvement to the Criterion ω(x, y) in Positive Reduct of Decision Table. , 2006, , .		0
242	The Minimal Sets of Axioms Characterizing Rough Fuzzy Approximation Operators. , 2006, , .		0
243	Genetic algorithms and rough fuzzy neural network-based hybrid approach for short-term load forecasting. , 2006, , .		5
244	Automatic Image Annotation based-on Rough Set Theory with Visual Keys. , 2006, , .		0
245	An Improved BP Network Classifier Based on VPRS Feature Reduction. , 2006, , .		1
246	A Reduction Algorithm for Multi-decision-making Table of Rough Sets. , 2006, , .		1
247	A Relation Decision System and its Properties. , 2006, , .		0
248	An Approach to Construct Concept Lattices Based on Double Universe Formal Context. , 2006, , .		1
249	Kernel-Based Audio Classification. , 2006, , .		2
250	Rule Induction from Numerical Data Based on Rough Sets Theory. , 2006, , .		3
251	A New Radar Emitter Recognition Method Based on Variable Precision Rough Set Model. , 2006, , .		2

#	ARTICLE	IF	CITATIONS
252	ATTRIBUTE REDUCTION IN VARIABLE PRECISION ROUGH SET MODEL. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2006, 14, 461-479.	0.9	40
253	A Study on Reduction of Attributes Based on Variable Precision Rough Set and Information Entropy. , 2006, , .		2
255	A MULTISTAGE RULE INDUCTION ALGORITHM IN CLASSIFICATION. International Journal of Pattern Recognition and Artificial Intelligence, 2007, 21, 693-708.	0.7	3
256	Multi-Criteria Decision Making Approach Based on Extended Rough Set. , 2007, , .		0
257	Improving Business Failure Predication Using Rough Sets with Non-financial Variables. Lecture Notes in Computer Science, 2007, , 614-621.	1.0	3
258	Using data mining techniques and rough set theory for language modeling. ACM Transactions on Asian Language Information Processing, 2007, 6, 2.	0.8	3
259	Rough Set Model Selection for Practical Decision Making. , 2007, , .		13
260	The Model of Fuzzy Variable Precision Rough Sets. , 2007, , .		2
261	An Extension of VPRS Model Based on Dominance Relation. , 2007, , .		2
262	Emotional Evaluation of Color Patterns Based on Rough Sets. , 2007, , .		5
263	A Kind of Dynamic Rough Sets. , 2007, , .		10
264	Distance-based attribute value recombining algorithm. , 2007, , .		0
265	Distance Measure Assisted Rough Set Feature Selection. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	8
266	Improved Variable Precision Rough Set Model and its Application to Distance Learning. , 2007, , .		2
267	Research on the Composition Framework of Generic Component for Connector Architecture. , 2007, , .		0
268	Outsourcing Resource Selection: A Rough Set Approach. , 2007, , .		0
269	Decision-Theoretic Rough Set Models. , 2007, , 1-12.		208
270	Financial distress prediction of Chinese listed companies: a rough set methodology. Chinese Management Studies, 2007, 1, 93-110.	0.7	27

#	Article	IF	Citations
271	2007 International Symposium on Information Technology Convergence - Title. , 2007, , .		0
272	View-based 3D object recognition using wavelet multiscale singular-value decomposition and support vector machine. , 2007, , .		6
273	RST in Decision Tree Pruning. , 2007, , .		1
274	Dimensionality Reduction Using Rough Set Approach for Two Neural Networks-Based Applications. Lecture Notes in Computer Science, 2007, , 639-647.	1.0	17
275	Two operators in rough set theory. , 2007, , .		0
276	Extensions in Mobile Ad Hoc Routing Using Variable Precision Rough Sets. , 2007, , .		0
277	Modifications to Bayesian Rough Set Model and Rough Vague Sets. , 2007, , .		1
278	Reducing the Memory Size of a Fuzzy Case-Based Reasoning System Applying Rough Set Techniques. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2007, 37, 138-146.	3.3	52
279	The Approximation Operators Within Formal Contexts. , 2007, , .		0
280	MGRS in Incomplete Information Systems. , 2007, , .		22
281	Emotional Evaluation of Color Patterns Based on Rough Sets. , 2007, , .		8
282	On Detecting an Emerging Class. , 2007, , .		9
283	Meta-information Mechanism and Variable Precision Rough Set Model. , 2007, , .		2
284	The grey rough measure of knowledge based on rough membership function. , 2007, , .		0
285	A New Version of Bayesian Rough Set Based on Bayesian Confirmation Measures. , 2007, , .		1
286	A New Method for Constructing Decision Tree Based on Rough Set Theory. , 2007, , .		14
287	A Classification Approach of Granules Based on Variable Precision Rough Sets. , 2007, , .		2
289	Rough neural intelligent approach for image classification: A case of patients with suspected breast cancer. International Journal of Hybrid Intelligent Systems, 2007, 3, 205-218.	0.9	21

#	Article	IF	Citations
290	Rudiments of rough sets. Information Sciences, 2007, 177, 3-27.	4.0	1,756
291	Rough sets: Some extensions. Information Sciences, 2007, 177, 28-40.	4.0	1,024
292	Rough variables with values in measurable spaces. Information Sciences, 2007, 177, 4678-4685.	4.0	3
293	A new approach to attribute reduction of consistent and inconsistent covering decision systems with covering rough sets. Information Sciences, 2007, 177, 3500-3518.	4.0	309
294	Mining fuzzy Î²-certain and Î²-possible rules from quantitative data based on the variable precision rough-set model. Expert Systems With Applications, 2007, 32, 223-232.	4.4	40
295	A method of gene-function annotation based on variable precision rough sets. Journal of Bionic Engineering, 2007, 4, 177-184.	2.7	17
296	Further Investigation of Characteristic Relation in Incomplete Information System. Systems Engineering - Theory & Practice, 2007, 27, 155-160.	0.3	10
297	Rough sets, their extensions and applications. International Journal of Automation and Computing, 2007, 4, 217-228.	4.5	59
298	Text Classification Using Sentential Frequent Itemsets. Journal of Computer Science and Technology, 2007, 22, 334-337.	0.9	3
299	Customer satisfaction analysis based on rough set approach. Journal of Business Economics, 2007, 77, 325-339.	1.3	31
300	Rough set based approach for inducing decision trees. Knowledge-Based Systems, 2007, 20, 695-702.	4.0	33
301	A variable precision rough set based modeling method for pulsed GTAW. International Journal of Advanced Manufacturing Technology, 2008, 36, 1072-1079.	1.5	35
302	Rough set extensions in incomplete information systems. Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2008, 3, 399-405.	0.6	22
303	Mixed feature selection based on granulation and approximation. Knowledge-Based Systems, 2008, 21, 294-304.	4.0	214
304	A comparative study on rough set based class imbalance learning. Knowledge-Based Systems, 2008, 21, 753-763.	4.0	48
305	CSMC: A combination strategy for multi-class classification based on multiple association rules. Knowledge-Based Systems, 2008, 21, 786-793.	4.0	45
306	Heyting algebras with Boolean operators for rough sets and information retrieval applications. Discrete Applied Mathematics, 2008, 156, 967-983.	0.5	6
307	On the evaluation of the decision performance of an incomplete decision table. Data and Knowledge Engineering, 2008, 65, 373-400.	2.1	32

#	ARTICLE	IF	CITATIONS
308	Induction of multiple criteria optimal classification rules for biological and medical data. Computers in Biology and Medicine, 2008, 38, 42-52.	3.9	24
309	Measures for evaluating the decision performance of a decision table in rough set theory. Information Sciences, 2008, 178, 181-202.	4.0	96
310	Dominance-based rough set approach and knowledge reductions in incomplete ordered information system. Information Sciences, 2008, 178, 1219-1234.	4.0	170
311	A weighted rough set based method developed for class imbalance learning. Information Sciences, 2008, 178, 1235-1256.	4.0	66
312	Attribute reduction based on evidence theory in incomplete decision systems. Information Sciences, 2008, 178, 1355-1371.	4.0	178
313	A systematic study on attribute reduction with rough sets based on general binary relations. Information Sciences, 2008, 178, 2237-2261.	4.0	110
314	Generalized fuzzy rough sets determined by a triangular norm. Information Sciences, 2008, 178, 3203-3213.	4.0	162
315	Communicating between information systems. Information Sciences, 2008, 178, 3228-3239.	4.0	59
316	On fuzzy approximation operators in attribute reduction with fuzzy rough sets. Information Sciences, 2008, 178, 3163-3176.	4.0	62
317	Attribute reduction in decision-theoretic rough set models. Information Sciences, 2008, 178, 3356-3373.	4.0	472
318	Neighborhood rough set based heterogeneous feature subset selection. Information Sciences, 2008, 178, 3577-3594.	4.0	778
319	Consistency measure, inclusion degree and fuzzy measure in decision tables. Fuzzy Sets and Systems, 2008, 159, 2353-2377.	1.6	49
320	Fuzzy rough approximations of process data. International Journal of Approximate Reasoning, 2008, 49, 301-315.	1.9	34
321	Variable precision rough set for group decision-making: An application. International Journal of Approximate Reasoning, 2008, 49, 331-343.	1.9	107
322	A rough set approach for the discovery of classification rules in interval-valued information systems. International Journal of Approximate Reasoning, 2008, 47, 233-246.	1.9	181
323	Parameterized rough set model using rough membership and Bayesian confirmation measures. International Journal of Approximate Reasoning, 2008, 49, 285-300.	1.9	121
324	Probabilistic rough set approximations. International Journal of Approximate Reasoning, 2008, 49, 255-271.	1.9	522
325	Probabilistic approach to rough sets. International Journal of Approximate Reasoning, 2008, 49, 272-284.	1.9	214

#	ARTICLE	IF	CITATIONS
326	Dependence-space-based attribute reductions in inconsistent decision information systems. International Journal of Approximate Reasoning, 2008, 49, 623-630.	1.9	27
327	Quantitative methods in marketing. , 2008, , 170-221.		1
328	Attributes Reduction Using Fuzzy Rough Sets. IEEE Transactions on Fuzzy Systems, 2008, 16, 1130-1141.	6.5	284
329	Fuzzy Sets and Their Extensions: Representation, Aggregation and Models. , 2008, , .		77
330	An Automatic Stock Market Forecasting and Portfolio Selection Mechanism Based on VPRS, ARX and Grey System. , 2008, , .		1
331	Developing expert system on decision making unit efficiency. , 2008, , .		3
332	Intelligent fault diagnosis of power transformer based on fuzzy logic and rough set theory. , 2008, , .		3
333	Rough Fuzzy Sets in Generalized Approximation Space. , 2008, , .		5
334	On generalized variable precision rough fuzzy set model. , 2008, , .		1
336	Application of variable precision rough set in bearing fault diagnosis. , 2008, , .		1
337	Extension of rough sets model of generalized information system. , 2008, , .		0
338	Extended DNF Expression and Variable Granularity in Information Tables. IEEE Transactions on Fuzzy Systems, 2008, 16, 285-298.	6.5	1
339	Fuzziness from attribute generalization in information table. , 2008, , .		1
340	Data mining techniques for teaching result analysis using rough set theory. , 2008, , .		1
341	Dominance-Based Variable Precision Rough Fuzzy Approach in Fuzzy Information System. , 2008, , .		0
342	Probability rough sets model between different universes and its applications. , 2008, , .		2
343	Integrating rough set clustering and grey model to analyse dynamic customer requirements. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2008, 222, 319-332.	1.5	26
344	Fuzziness of Generalized Variable Precision Rough Sets. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
345	Information-preserving rule induction by using generalized fuzzy-rough technique. , 2008, , .		0
346	The relationships between the inclusion degree and measures on rough set data analysis based on regular probability spaces. , 2008, , .		0
347	Research on Attribute Reduction Using Rough Neighborhood Model. , 2008, , .		0
348	Dynamic Management on Quality of Service in Mobile Communication Networks Based on VPRS Model. , 2008, , .		2
349	Descriptive data mining; A granular model. , 2008, , .		0
350	Power transformer fault diagnosis based on variable precision rough set. , 2008, , .		2
351	Research on Edge Detection of Gray-Scale Image Based on Mathematical Morphology Algorithm and Rough Sets. , 2008, , .		3
352	Decision Algorithm of Effectiveness Evaluation Based on Variable Precision Rough Fuzzy Sets. , 2008, , .		0
353	A noise-tolerant approach to fuzzy-rough feature selection. , 2008, , .		22
354	Computational Intelligence in Solving Bioinformatics Problems: Reviews, Perspectives, and Challenges. Studies in Computational Intelligence, 2008, , 3-47.	0.7	15
355	A Rough Concept Lattice Model of Variable Precision. , 2008, , .		0
356	A fuzzy recognition method of emitter based on Variable Precision Rough Set Model. , 2008, , .		0
357	Variable Precision Rough Set Model in Incomplete Ordered Decision System. , 2008, , .		1
358	Studies of Knowledge Reductions Based on Bayesian Rough Set Model. , 2008, , .		0
359	A rough way for logistics center location based on information entropy. , 2008, , .		2
360	Study on condition attributes and decision attribute based on rough sets theory. , 2008, , .		0
361	Change mechanism of a decision table&#x2019;s decision performance caused by attribute reductions. , 2008, , .		0
362	Variable Precision Fuzzy Rough Set Model Based on Fuzzy Covering. , 2008, , .		4

#	ARTICLE	IF	CITATIONS
363	An improved limited and variable precision rough set model for rule acquisition based on pansystems methodology. Kybernetes, 2008, 37, 1264-1271.	1.2	4
364	Rough-Granular Computing. , 0, , 285-327.		20
365	Rough Sets and Granular Computing: Toward Rough-Granular Computing. , 0, , 425-448.		8
366	Construction of Rough Information Granules. , 0, , 449-470.		1
367	Granular Computing for Reasoning about Ordered Data: The Dominance-Based Rough Set Approach. , 0, , 347-373.		15
368	Knowledge Reduction based on Granular Computing. , 2008, , .		0
369	Rough sets analysis with antisymmetric and intransitive attributes: classification of brazilian soccer clubs. Pesquisa Operacional, 2008, 28, 217-230.	0.1	8
371	Rough Sets Data Analysis in Knowledge Discovery: A Case of Kuwaiti Diabetic Children Patients. Advances in Fuzzy Systems, 2008, 2008, 1-13.	0.6	15
372	A Rough Set Approach for the Discovery of Classification Rules in Interval-Valued Information Systems. SSRN Electronic Journal, 2008, , .	0.4	0
373	A Variable Precision Fuzzy Rough Group Decision-Making Model for IT Offshore Outsourcing Risk Evaluation. Journal of Global Information Management, 2008, 16, 18-34.	1.4	16
374	An Incremental Approach for Inducing Knowledge from Dynamic Information Systems. Fundamenta Informaticae, 2009, 94, 245-260.	0.3	73
375	An Interval Type-2 Fuzzy Rough Set Model for Attribute Reduction. IEEE Transactions on Fuzzy Systems, 2009, 17, 301-315.	6.5	59
376	A computer experiment and consideration of rule extraction methods by rough sets based on a rule space. , 2009, , .		1
377	Rule induction from two decision tables based on rough sets. , 2009, , .		0
378	Risk decision-making of vehicle availability based on fuzzy VPRS model. , 2009, , .		1
379	A Rough Set Based Decision Analysis of Students' Score Database. , 2009, , .		0
380	Method of Chinese Text Categorization Based on Variable Precision Rough Set. , 2009, , .		3
381	Accelerating incomplete feature selection. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
382	Knowledge Reduction in Inconsistent Interval-valued Decision System Based on Dominance Relation. , 2009, , .		0
383	Research on Drought Forecast Based on Rough Set Theory. , 2009, , .		2
384	Product Operation of Grade Upper Approximation Operator and Grade Lower Approximation Operator Based on Two Parameters. , 2009, , .		11
385	Model of Logical Difference Operation of Grade Lower Approximation Operator and Variable Precision Upper Approximation Operator. , 2009, , .		9
386	Research on location prediction of vehicular networks. , 2009, , .		1
388	A New Approach to Hybrid Condition Attribute Reduction Based on Rough Set. , 2009, , .		0
389	Corporate failure prediction of Chinese listed companies: A variable precision rough set theory. , 2009, , .		3
390	Variable Precision Rough Set Weight Calculation Based on Web Text Classification. , 2009, , .		2
391	Model of Logical Difference Operation of Grade Upper Approximation Operator and Variable Precision Lower Approximation Operator. , 2009, , .		7
392	Measures for Unsupervised Fuzzy-Rough Feature Selection. , 2009, , .		7
393	Using VPRS-Based Group Decision-Making to Evaluate Partner Relationship in the Value Network of a Mobile Portal. , 2009, , .		0
394	A VPRS and NN Method for Wood Veneer Surface Inspection. , 2009, , .		2
396	The model of bidirectional PS-Rough Sets in probabilistic approximation space and its application. , 2009, , .		0
397	Generalized Probabilistic Rough Sets Characterized by Fuzzy Sets. , 2009, , .		5
398	Reduction algorithm of attribute based on discernibility degree. , 2009, , .		0
399	Model of logical or operation of variable precision lower approximation operator and grade upper approximation operator. , 2009, , .		15
400	Combining variable precision rough set and neural network in remote sensing image classification. Proceedings of SPIE, 2009, , .	0.8	0
401	Research of reduct features in the variable precision rough set model. Neurocomputing, 2009, 72, 2643-2648.	3.5	57

#	ARTICLE	IF	CITATIONS
402	Applications of grey relational method to river environment quality evaluation in China. Journal of Hydrology, 2009, 379, 284-290.	2.3	80
403	Adapted variable precision rough set approach for EEG analysis. Artificial Intelligence in Medicine, 2009, 47, 239-261.	3.8	42
404	An axiomatic approach of fuzzy rough sets based on residuated lattices. Computers and Mathematics With Applications, 2009, 58, 189-201.	1.4	167
405	Rough sets to help medical diagnosis â€" Evidence from a Taiwanâ€™s clinic. Expert Systems With Applications, 2009, 36, 9293-9298.	4.4	21
406	Variable-precision dominance-based rough set approach and attribute reduction. International Journal of Approximate Reasoning, 2009, 50, 1199-1214.	1.9	178
407	Monotonic Variable Consistency Rough Set Approaches. International Journal of Approximate Reasoning, 2009, 50, 979-999.	1.9	137
408	A granularity-based framework of deduction, induction, and abduction. International Journal of Approximate Reasoning, 2009, 50, 1215-1226.	1.9	14
409	Exploring the boundary region of tolerance rough sets for feature selection. Pattern Recognition, 2009, 42, 655-667.	5.1	104
410	Rough intuitionistic fuzzy subgroup. Chaos, Solitons and Fractals, 2009, 42, 2145-2153.	2.5	5
411	Dominance-based rough set approach to incomplete interval-valued information system. Data and Knowledge Engineering, 2009, 68, 1331-1347.	2.1	110
412	Rough set based hybrid algorithm for text classification. Expert Systems With Applications, 2009, 36, 9168-9174.	4.4	63
413	Application of VPRS model with enhanced threshold parameter selection mechanism to automatic stock market forecasting and portfolio selection. Expert Systems With Applications, 2009, 36, 11652-11661.	4.4	32
414	Degrees of conditional (in)dependence: A framework for approximate Bayesian networks and examples related to the rough set-based feature selection. Information Sciences, 2009, 179, 197-209.	4.0	49
415	Criteria for choosing a rough set model. Computers and Mathematics With Applications, 2009, 57, 908-918.	1.4	65
416	Binary fuzzy rough set model based on triangle modulus and its application to image processing. , 2009, , .		2
417	A Neural Network Based on Rough Set (RSNN) for Prediction of Solitary Pulmonary Nodules. , 2009, , .		6
418	A comparative analysis of discretization algorithms for data mining. , 2009, , .		1
419	The Model of Fuzzy Variable Precision Rough Sets. IEEE Transactions on Fuzzy Systems, 2009, 17, 451-467.	6.5	191

#	ARTICLE	IF	CITATIONS
420	AFS Fuzzy Rough Sets. Studies in Fuzziness and Soft Computing, 2009, , 227-267.	0.6	0
421	Study on Value-Added Service in Mobile Telecom Based on Association Rules. , 2009, , .		4
422	A Generic Scheme for Generating Prediction Rules Using Rough Sets. Studies in Computational Intelligence, 2009, , 163-186.	0.7	4
423	The study of transparency ramble analysis system. , 2009, , .		0
424	A Novel Approach to Establishing the VPRS Model with Threshold Parameter Selection Mechanism Based on Fuzzy Algorithms. , 2009, , .		0
425	First GrC model - Neighborhood Systems the most general rough set models. , 2009, , .		8
426	Study on flue gas turbine fault diagnosis technology based on EMD and VPRS. , 2009, , .		0
427	A Web Text Filter Based on Rough Set Weighted Bayesian. , 2009, , .		2
428	A hybrid approach of grey rough set and probabilistic neural network to uncertain decision. , 2009, , .		0
429	An incremental updating principle for computing approximations in information systems while the object set varies with time. , 2009, , .		7
430	FMOLP for SP Selection Based on a Fuzzy Similar Relation VPRS Model. , 2009, , .		0
431	Maximum condition entropy based attribute reduction in variable precision rough set model. , 2009, , .		1
432	Knowledge Discovery of Remote Sensing Classification Rules Based on Variable Precision Rough Set. , 2009, , .		0
433	Semi-supervised Rough Cost/Benefit Decisions. Fundamenta Informaticae, 2009, 94, 233-244.	0.3	13
434	Rough set model based on possibility measure. , 2009, , .		1
435	Indicator mining model for spatial multi-scale degraded land evaluation. Proceedings of SPIE, 2009, , .	0.8	0
436	Knowledge Approximation and Rule Acquisition Based on VPRS in Ordered Information Systems. , 2009, , .		0
437	Application of the rough set theory and BP neural network model in disease diagnosis. , 2010, , .		4

#	Article	IF	Citations
438	On Covering Rough Set Based Attribute Reduction. , 2010, , .		3
439	Knowledge feature analysis to incomplete information system. , 2010, , .		0
440	The impact of decision-making units features on efficiency by integration of data envelopment analysis, artificial neural network, fuzzy C-means and analysis of variance. International Journal of Operational Research, 2010, 7, 387.	0.1	24
441	Product Model of Grade Upper Approximation Operators Based on Two Parameters. , 2010, , .		2
442	Soft fuzzy rough sets for robust feature evaluation and selection. Information Sciences, 2010, 180, 4384-4400.	4.0	102
443	Rough set feature extraction by remarkable degrees with real world decision-making problems. Soft Computing, 2010, 14, 1265-1275.	2.1	2
444	Some invariant properties of ordered information systems under homomorphism. Science China Information Sciences, 2010, 53, 1816-1825.	2.7	6
445	Dynamic risk management in petroleum project investment based on a variable precision rough set model. Technological Forecasting and Social Change, 2010, 77, 891-901.	6.2	43
446	A variable precision rough set approach to the remote sensing land use/cover classification. Computers and Geosciences, 2010, 36, 1466-1473.	2.0	40
447	Positive approximation: An accelerator for attribute reduction in rough set theory. Artificial Intelligence, 2010, 174, 597-618.	3.9	638
448	Approximation reduction in inconsistent incomplete decision tables. Knowledge-Based Systems, 2010, 23, 427-433.	4.0	109
449	Research on the model of rough set over dual-universes. Knowledge-Based Systems, 2010, 23, 817-822.	4.0	67
450	Mining from incomplete quantitative data by fuzzy rough sets. Expert Systems With Applications, 2010, 37, 2644-2653.	4.4	38
451	A short note on some properties of rough groups. Computers and Mathematics With Applications, 2010, 59, 431-436.	1.4	27
452	Rough support vector regression. European Journal of Operational Research, 2010, 206, 445-455.	3.5	27
453	Integrating classification capability and reliability in associative classification: A Î²-stronger model. Expert Systems With Applications, 2010, 37, 3953-3961.	4.4	2
454	A model based on rough set theory combined with algebraic structure and its application: Bridges maintenance management evaluation. Expert Systems With Applications, 2010, 37, 5295-5299.	4.4	5
455	Three-way decisions with probabilistic rough sets. Information Sciences, 2010, 180, 341-353.	4.0	1,136

#	Article	IF	Citations
456	MGRS: A multi-granulation rough set. Information Sciences, 2010, 180, 949-970.	4.0	597
457	Performance Study of Threshold Variations in Temporal Decision Systems for Routing in Vehicular Ad hoc Networks. Journal of Computer Science, 2010, 6, 1479-1484.	0.5	2
458	A tomada de decisão em recursos humanos com dados replicados e inconsistentes: uma aplicação da teoria dos conjuntos aproximativos. Pesquisa Operacional, 2010, 30, 657-686.	0.1	4
459	Article Commentary: Rough Set Soft Computing Cancer Classification and Network: One Stone, Two Birds. Cancer Informatics, 2010, 9, CIN.S4874.	0.9	4
460	Measures for unsupervised fuzzy-rough feature selection. International Journal of Hybrid Intelligent Systems, 2010, 7, 249-259.	0.9	20
461	A Three-Way Decision Approach to Email Spam Filtering. Lecture Notes in Computer Science, 2010, , 28-39.	1.0	69
462	Multiple-Category Classification with Decision-Theoretic Rough Sets. Lecture Notes in Computer Science, 2010, , 703-710.	1.0	14
463	On rough sets, their recent extensions and applications. Knowledge Engineering Review, 2010, 25, 365-395.	2.1	14
464	Logical AND model of variable precision lower approximation operator and grade upper approximation operator. , 2010, , .		1
465	Fuzzy-rough approaches for mammographic risk analysis. Intelligent Data Analysis, 2010, 14, 225-244.	0.4	37
466	Comparative study of decision performance of decision tables induced by attribute reductions. International Journal of General Systems, 2010, 39, 813-838.	1.2	18
467	Algorithms and algorithm analysis of logical OR operation of variable precision upper approximation operator and grade lower approximation operator. , 2010, , .		0
468	Logical difference model of grade upper approximation operator and grade lower approximation operator. , 2010, , .		1
469	Information system attribute reduction. , 2010, , .		1
470	Two decades'research on decision-theoretic rough sets. , 2010, , .		8
471	Generalized Relation Based Knowledge Discovery in Interval-valued Information Systems. , 2010, , .		1
472	Algorithms and algorithm analysis of logical difference operation of variable precision upper approximation operator and grade lower approximation operator. , 2010, , .		0
473	Evaluation of supply chain partnership based on rough set theory. , 2010, , .		1

#	Article	IF	Citations
474	A new rule extraction method and algorithm by rough sets based on a rule space. , 2010, , .		0
475	Fact description based on rough sets for expert system. , 2010, , .		0
476	Handwritten Chinese Character Recognition with Variable Precision Rough Set Approach. , 2010, , .		0
477	A Distance Measure Approach to Exploring the Rough Set Boundary Region for Attribute Reduction. IEEE Transactions on Knowledge and Data Engineering, 2010, 22, 305-317.	4.0	107
478	A Rough Set Approach to Agent Trust Management. , 2010, , .		0
479	Prediction of silicon content in hot metal based on RS-LSSVM model. , 2010, , .		0
480	Research on rough set model based on criteria. , 2010, , .		0
481	Personalized recommendation system based on multi_agent and rough set. , 2010, , .		1
482	The Applications of Rough Set Theory in Civil Engineering. , 2010, , .		3
483	Approximation Spaces in Rough–Granular Computing. Fundamenta Informaticae, 2010, 100, 141-157.	0.3	37
484	Notice of Retraction: Fuzzy rough set model based on multi-granulations. , 2010, , .		6
485	Logical OR Model of Grade Approximation Operators. , 2010, , .		0
486	Product Operation of Grade Lower Approximation Operator and Grade Upper Approximation Operator Based on Two Parameters. , 2010, , .		3
487	Notice of Retraction: Algorithms and algorithm analysis of logical difference operation of grade lower approximation operator and variable precision upper approximation operator. , 2010, , .		0
488	Algorithms and Algorithm Analysis of Logical Difference Operation of Grade Upper Approximation Operator and Variable Precision Lower Approximation Operator. , 2010, , .		0
489	Rough set model based on fuzzy measure. , 2010, , .		0
490	Model of Logical Difference Operation of Variable Precision Upper Approximation Operator and Grade Lower Approximation Operator. , 2010, , .		2
491	Promotion of Variable Precision Covering Rough Set Model. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
492	Dynamic maintenance of approximations based on variable precision rough sets. , 2010, , .		0
493	Notice of Retraction: Product model of grade lower approximation operators based on two parameters. , 2010, , .		0
494	New operators in variable precision covering rough set. , 2010, , .		0
495	The VPRS Model Based on Set Pair Analysis in Incomplete Fuzzy Information System. , 2010, , .		0
496	Logical or model of variable precision upper approximation operator and grade lower approximation operator. , 2010, , .		0
497	Notice of Retraction: Logical difference model of grade lower approximation operator and grade upper approximation operator. , 2010, , .		1
498	Logical AND model of grade approximation operators. , 2010, , .		0
499	The first type of graded rough set based on rough membership function. , 2010, , .		10
500	Study on the evaluation of tourist satisfaction in tourism destination based on variable precision rough set. , 2010, , .		1
501	Rough Sets for Selection of Molecular Descriptors to Predict Biological Activity of Molecules. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2010, 40, 639-648.	3.3	26
502	Rough set based gene selection algorithm for microarray sample classification. , 2010, , .		7
503	Optimization of Decision Tree Based on Variable Precision Rough Set. , 2010, , .		1
504	Partial approximative set theory: A generalization of the rough set theory. , 2010, , .		8
505	Applying a set of strict criteria to find the β-reducts of variable precision rough sets. Journal of Information and Optimization Sciences, 2010, 31, 1421-1440.	0.2	1
506	Incremental discovery of probabilistic rules from clinical databases based on rough set theory. , 2010, , .		0
507	Definability and Other Properties of Approximations for Generalized Indiscernibility Relations. Lecture Notes in Computer Science, 2010, , 14-39.	1.0	17
508	Satisfiability Judgement under Incomplete Information. Lecture Notes in Computer Science, 2010, , 66-91.	1.0	1
509	A Fuzzy View on Rough Satisfiability. Lecture Notes in Computer Science, 2010, , 227-236.	1.0	0

#	ARTICLE	IF	CITATIONS
510	Decision Rule-Based Data Models Using TRS and NetTRS â€" Methods and Algorithms. Lecture Notes in Computer Science, 2010, , 130-160.	1.0	23
511	Incomplete Multigranulation Rough Set. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2010, 40, 420-431.	3.4	294
512	Feature Weighting Scheme for Text Categorization Based on Rough Set. , 2010, , .		0
513	Research on Edge Detection Based on Mathematical Morphology Algorithm. , 2010, , .		2
514	Modeling Decisions for Artificial Intelligence. Lecture Notes in Computer Science, 2010, , .	1.0	0
515	Learning rules from crisp attributes by rough sets on the fuzzy class sets. , 2010, , .		0
516	Addressing key sustainable supply chain management issues using rough set methodology. Management Research Review, 2010, 33, 1113-1127.	1.5	48
517	A Model of Cluster-Based Rough Set and its Application. , 2010, , .		0
518	Logical AND model of variable precision upper approximation operator and grade lower approximation operator. , 2010, , .		0
519	A Method for Incremental Updating Approximations Based on Variable Precision Set-Valued Ordered Information Systems. , 2010, , .		5
520	EBDA: An Effective Bottom-up Discretization Algorithm for Continuous Attributes. , 2010, , .		4
521	A new method for calculation of the approximations under the probabilistic rough sets. , 2010, , .		0
522	Research on Distributive Regularity of Vehicle Speedometer Indicated Error and Its Modeling. , 2010, , .		1
523	An approach for incremental updating approximations in Variable precision rough sets while attribute generalized. , 2010, , .		7
524	A Feature Reduction Method by Grey Theory and Rough Set. , 2010, , .		1
525	Transactions on Rough Sets XII. Lecture Notes in Computer Science, 2010, , .	1.0	0
526	A comparison of positive, boundary, and possible rules using the MLEM2 rule induction algorithm. , 2010, , .		3
527	VPRS based on similar relation in incomplete information system. , 2010, , .		0

#	Article	IF	Citations
528	In search for effective granularity with DTRS. , 2010, , .		2
529	A genetic algorithm to the minimal test cost reduct problem. , 2011, , .		14
530	A new framework for incremental rule induction based on rough sets. , 2011, , .		5
531	Study on representation of uncertainty rough information entropy in rough set. , 2011, , .		0
532	Covering fuzzy rough set based on multi-granulations. , 2011, , .		17
533	Rough set model and its eight extensions. , 2011, , .		0
534	Class-based Rough Approximation with dominance principle. , 2011, , .		4
535	Feature selection applied to ultrasound carotid images segmentation. , 2011, 2011, 5161-4.		1
536	Experiments on probabilistic approximations. , 2011, , .		45
538	Web Usage Mining with Variable Precision Rough Set Approach. , 2011, , .		0
540	Game-Theoretic Rough Sets. Fundamenta Informaticae, 2011, 108, 267-286.	0.3	184
541	Fuzzy Soft Matrices and their Applications. Lecture Notes in Computer Science, 2011, , 618-627.	1.0	28
542	A DNA-Based Algorithm for Minimizing Decision Rules: A Rough Sets Approach. IEEE Transactions on Nanobioscience, 2011, 10, 139-151.	2.2	8
543	Stable rule extraction and decision making in rough non-deterministic information analysis. International Journal of Hybrid Intelligent Systems, 2011, 8, 41-57.	0.9	29
544	In Search of Effective Granulization with DTRS for Ternary Classification. International Journal of Cognitive Informatics and Natural Intelligence, 2011, 5, 47-60.	0.4	2
545	Two Semantic Issues in a Probabilistic Rough Set Model. Fundamenta Informaticae, 2011, 108, 249-265.	0.3	80
546	Research on attribute reduction based on variable precision rough sets model. , 2011, , .		1
547	Orthopairs: A Simple and Widely Used Way to Model Uncertainty. Fundamenta Informaticae, 2011, 108, 287-304.	0.3	56

#	Article	IF	Citations
548	Fuzzy-rough nearest neighbour classification and prediction. Theoretical Computer Science, 2011, 412, 5871-5884.	0.5	104
549	Conservative and aggressive rough SVR modeling. Theoretical Computer Science, 2011, 412, 5885-5901.	0.5	8
550	Neighborhood based sample and feature selection for SVM classification learning. Neurocomputing, 2011, 74, 1585-1594.	3.5	45
551	Test-cost-sensitive attribute reduction. Information Sciences, 2011, 181, 4928-4942.	4.0	228
552	Rule learning for classification based on neighborhood covering reduction. Information Sciences, 2011, 181, 5457-5467.	4.0	102
553	Optimizing model for land use/land cover retrieval from remote sensing imagery based on variable precision rough sets. Ecological Modelling, 2011, 222, 232-240.	1.2	23
554	Determination of the threshold value β of variable precision rough set by fuzzy algorithms. International Journal of Approximate Reasoning, 2011, 52, 1056-1072.	1.9	45
555	Diverse reduct subspaces based co-training for partially labeled data. International Journal of Approximate Reasoning, 2011, 52, 1103-1117.	1.9	43
556	A smoothed Latent Dirichlet Allocation model with application to Business Intelligence. , 2011, , .		1
557	Incremental learning optimization on knowledge discovery in dynamic business intelligent systems. Journal of Global Optimization, 2011, 51, 325-344.	1.1	68
558	Variable precision rough set model over two universes and its properties. Soft Computing, 2011, 15, 557-567.	2.1	46
559	β-Interval attribute reduction in variable precision rough set model. Soft Computing, 2011, 15, 1643-1656.	2.1	15
560	An integrated Data Envelopment Analysis–Artificial Neural Network–Rough Set Algorithm for assessment of personnel efficiency. Expert Systems With Applications, 2011, 38, 1364-1373.	4.4	64
561	Two-level hierarchical combination method for text classification. Expert Systems With Applications, 2011, 38, 2030-2039.	4.4	22
562	Experiments with rough set approach to face recognition. International Journal of Intelligent Systems, 2011, 26, 499-517.	3.3	9
563	Probabilistic rule induction with the LERS data mining system. International Journal of Intelligent Systems, 2011, 26, 518-539.	3.3	20
564	Optimal βk-stable interval in VPRS-based group decision-making: A further application. Expert Systems With Applications, 2011, 38, 13757-13757.	4.4	5
565	Sequential covering rule induction algorithm for variable consistency rough set approaches. Information Sciences, 2011, 181, 987-1002.	4.0	200

#	Article	IF	Citations
566	The superiority of three-way decisions in probabilistic rough set models. Information Sciences, 2011, 181, 1080-1096.	4.0	566
567	A comparison of two kinds of definitions of rough approximations based on a similarity relation. Information Sciences, 2011, 181, 2587-2596.	4.0	74
568	Probabilistic model criteria with decision-theoretic rough sets. Information Sciences, 2011, 181, 3709-3722.	4.0	155
569	Fuzzy rough set model on two different universes and its application. Applied Mathematical Modelling, 2011, 35, 1798-1809.	2.2	71
570	Rough set based maximum relevance-maximum significance criterion and Gene selection from microarray data. International Journal of Approximate Reasoning, 2011, 52, 408-426.	1.9	126
571	An efficient accelerator for attribute reduction from incomplete data in rough set framework. Pattern Recognition, 2011, 44, 1658-1670.	5.1	172
572	Graded dominance interval-based fuzzy objective information systems. Knowledge-Based Systems, 2011, 24, 1004-1012.	4.0	46
573	Studies on an effective algorithm to reduce the decision matrix — A technique on a rule extraction by rough sets theory. , 2011, , .		0
574	Attribute value reduction for rule property preservation in variable precision rough set model. , 2011, , .		1
575	A multi-attribute decision analysis method based on rough sets dealing with uncertain information. , 2011, , .		1
576	Granular mathematics foundation and current state. , 2011, , .		11
577	Optimal sub-reducts in the dynamic environment. , 2011, , .		5
578	Information systems representation and attribute reduction. , 2011, , .		1
579	Integrate Variable Precision Rough Sets and modified PBMF index function for partitioning and classifying complex datasets. , 2011, , .		0
580	Algorithms and Algorithm Analysis of Logical and Operation of Grade Approximation Operators. Advanced Materials Research, 0, 204-210, 1701-1704.	0.3	1
581	A New Criterion for Attribute Reduction Based on Variable Precision Rough Set Model. Applied Mechanics and Materials, 0, 121-126, 1579-1584.	0.2	0
582	Algorithms and Algorithm Analysis of Logical Difference Operation of Variable Precision Lower Approximation Operator and Grade Upper Approximation Operator. Advanced Materials Research, 0, 204-210, 2015-2018.	0.3	0
583	An Optimization Viewpoint of Decision-Theoretic Rough Set Model. Lecture Notes in Computer Science, 2011, , 457-465.	1.0	25

#	ARTICLE	IF	CITATIONS
584	Novel algorithms of attribute reduction for variable precision rough set. , 2011, , .		1
585	An evidence combination model based on variable-precision rough sets. , 2011, , .		0
586	A variable precision rough set model in set-valued decision information systems. , 2011, , .		0
587	A novel method for inducing ID3 decision trees based on variable precision rough set. , 2011, , .		2
588	A property of reductions in Fuzzy Variable Precision Rough Set model. , 2011, , .		2
589	Three-way Investment Decisions with Decision-theoretic Rough Sets. International Journal of Computational Intelligence Systems, 2011, 4, 66-74.	1.6	169
590	Feature Selection in Decision Systems Based on Conditional Knowledge Granularity. International Journal of Computational Intelligence Systems, 2011, 4, 655-671.	1.6	8
591	An Emergency Local Group Decision-Making Model Based on Variable Precision Rough Set. , 2011, , .		0
592	Risk Decision Making Based on Decision-theoretic Rough Set: A Three-way View Decision Model. International Journal of Computational Intelligence Systems, 2011, 4, 1-11.	1.6	176
593	VPRS based decision tree classifier. , 2011, , .		0
594	Method of multi-attribute decision analysis based on rough sets dealing with grey information. , 2011, , .		1
595	Variable Precision Rough Set-Based Fault Diagnosis for Web Services. , 2011, , .		0
596	The attribute reduction of the information system based on new rough set. , 2011, , .		1
597	A MATHEMATICAL EXTENSION OF ROUGH SET-BASED ISSUES TOWARD UNCERTAIN INFORMATION ANALYSIS. New Mathematics and Natural Computation, 2011, 07, 543-570.	0.4	2
598	CLUSTERING OF DECISION TABLES TOWARD ROUGH SET-BASED GROUP DECISION AID. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2011, 19, 17-32.	0.9	3
599	Data clustering using variable precision rough set. Intelligent Data Analysis, 2011, 15, 465-482.	0.4	17
600	The Decision-Making for Fault Diagnosis Based on Consistent Approximation Space. Advanced Materials Research, 0, 591-593, 1739-1742.	0.3	0
602	Parameterized Local Reduction of Decision Systems. Journal of Applied Mathematics, 2012, 2012, 1-14.	0.4	2

#	ARTICLE	IF	CITATIONS
603	A Method on Establishment TCM Symptoms Diagnosis Criteria. Applied Mechanics and Materials, 2012, 190-191, 886-889.	0.2	0
604	Variable precision rough fuzzy set model based on general relations. , 2012, , .		3
605	Supply-chain performance-measurement system management using neighbourhood rough sets. International Journal of Production Research, 2012, 50, 2484-2500.	4.9	38
606	A New Rough Set Model Based on Partial-Similarity Relation. , 2012, , .		0
607	A Study of Off-Line Handwritten Chinese Character Recognition with Optimized Decision and Iteration Based on Rough Set and the Granular Theorem. Advanced Materials Research, 2012, 433-440, 1715-1722.	0.3	4
608	Covering-based approximation operators by boolean matrix. , 2012, , .		0
609	Logical difference analysis based on variable precision lower approximation operator and graded upper approximation operator. , 2012, , .		0
610	A new rule induction method from a decision table using a statistical test. , 2012, , .		0
611	Neighborhood system of parameterized binary relations. , 2012, , .		3
612	Rules mining in hierarchical rough sets. , 2012, , .		0
613	Global Adaptive Harmony Search Algorithm and Its Application in Rough Set Reduction. , 2012, , .		0
614	THREE-WAY GOVERNMENT DECISION ANALYSIS WITH DECISION-THEORETIC ROUGH SETS. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2012, 20, 119-132.	0.9	104
615	NEIGHBORHOOD SYSTEM BASED ROUGH SET: MODELS AND ATTRIBUTE REDUCTIONS. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2012, 20, 399-419.	0.9	10
616	Algorithms and analyses of logical difference of graded lower and upper approximation operators. , 2012, , .		0
617	Homomorphisms of Approximation Spaces. Journal of Applied Mathematics, 2012, 2012, 1-18.	0.4	0
618	Multi-criteria sorting method based on AHP and variable precision rough set. , 2012, , .		0
619	Rough-Mutual Feature Selection Based on Min-Uncertainty and Max-Certainty. IEICE Transactions on Information and Systems, 2012, E95.D, 970-981.	0.4	1
620	An Improved Covering Fuzzy Rough Set Model. Advanced Materials Research, 2012, 490-495, 1397-1401.	0.3	0

#	Article	IF	Citations
621	A multi‐attribute decision analysis method based on rough sets dealing with uncertain information. Grey Systems Theory and Application, 2012, 2, 324-333.	1.0	0
622	Modelling Multi-agent Three-way Decisions with Decision-theoretic Rough Sets. Fundamenta Informaticae, 2012, 115, 157-171.	0.3	88
623	Rough sets for spam filtering: Selecting appropriate decision rules for boundary e-mail classification. Applied Soft Computing Journal, 2012, 12, 3671-3682.	4.1	40
624	Decision-making model for early diagnosis of congestive heart failure using rough set and decision tree approaches. Journal of Biomedical Informatics, 2012, 45, 999-1008.	2.5	95
625	A discernibility matrix for the topological reduction. International Journal of Machine Learning and Cybernetics, 2012, 3, 307-311.	2.3	5
626	Variable precision rough set based decision tree classifier. Journal of Intelligent and Fuzzy Systems, 2012, 23, 61-70.	0.8	13
627	Granular and rough computing on covering. , 2012, , .		0
628	An Interactive Scatter Plot Metrics Visualization for Decision Trend Analysis. , 2012, , .		8
629	Information granules in medical differential diagnosis. , 2012, , .		1
630	Knowledge reduction in decision-theoretic rough set model based on connection degree. , 2012, , .		0
631	Ant colony optimization to minimal test cost reduction. , 2012, , .		7
632	An improved genetic algorithm to minimal test cost reduction. , 2012, , .		2
633	Experiments on rule induction from incomplete data using three probabilistic approximations. , 2012, , .		19
634	A New Approach to Establish Variable Consistency Dominance-Based Rough Sets Based on Dominance Matrices. , 2012, , .		2
635	Generalized infinitive rough sets based on reflexive relations. , 2012, , .		2
636	Variable precision multi-granulation rough set. , 2012, , .		3
637	An intelligent decision support system for forecasting and optimization of complex personnel attributes in a large bank. Expert Systems With Applications, 2012, 39, 12358-12370.	4.4	20
638	Rough Sets: Foundations and Perspectives. , 2012, , 2761-2771.		0

#	Article	IF	Citations
639	On Robust Fuzzy Rough Set Models. IEEE Transactions on Fuzzy Systems, 2012, 20, 636-651.	6.5	130
640	NMGRS: Neighborhood-based multigranulation rough sets. International Journal of Approximate Reasoning, 2012, 53, 1080-1093.	1.9	196
641	Bipolar fuzzy rough set model on two different universes and its application. Knowledge-Based Systems, 2012, 35, 94-101.	4.0	56
642	Graded rough set model based on two universes and its properties. Knowledge-Based Systems, 2012, 33, 65-72.	4.0	64
643	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
644	Rule-Based Forecasting of Traffic Flow for Large-Scale Road Networks. Transportation Research Record, 2012, 2279, 3-11.	1.0	5
645	Indiscernibility Relation, Rough Sets and Information System. , 2012, , 3-42.		0
646	Multiple Fuzzy Classification Systems. Studies in Fuzziness and Soft Computing, 2012, , .	0.6	27
647	Online reviews sentiment analysis applying mutual information. , 2012, , .		0
648	A heuristic approach to classifying labeled/unlabeled data sets. Journal of the Operational Research Society, 2012, 63, 1248-1257.	2.1	1
649	Micro-blog category based on feature-words category dispersion. , 2012, , .		0
650	Evaluating ecological sustainable performance measures for supply chain management. Supply Chain Management, 2012, 17, 78-92.	3.7	174
651	Feature selection for large-scale data sets in GrC. , 2012, , .		0
655	Fuzzy Engineering and Operations Research. Advances in Intelligent and Soft Computing, 2012, , .	0.2	2
656	Intelligent Decision Technologies. Smart Innovation, Systems and Technologies, 2012, , .	0.5	1
657	Advances in Mechanical and Electronic Engineering. Lecture Notes in Electrical Engineering, 2012, , .	0.3	1
658	Rough set and rule-based multicriteria decision aiding. Pesquisa Operacional, 2012, 32, 213-270.	0.1	45
659	On Graded Nearness of Sets. Fundamenta Informaticae, 2012, 119, 301-317.	0.3	2

#	ARTICLE	IF	CITATIONS
660	A Multiple-category Classification Approach with Decision-theoretic Rough Sets. Fundamenta Informaticae, 2012, 115, 173-188.	0.3	86
661	Comparative study of variable precision rough set model and graded rough set model. International Journal of Approximate Reasoning, 2012, 53, 104-116.	1.9	53
662	Bayesian rough set model: A further investigation. International Journal of Approximate Reasoning, 2012, 53, 541-557.	1.9	27
663	Probabilistic rough set over two universes and rough entropy. International Journal of Approximate Reasoning, 2012, 53, 608-619.	1.9	92
664	Credit scoring analysis using a fuzzy probabilistic rough set model. Computational Statistics and Data Analysis, 2012, 56, 981-994.	0.7	50
665	Modeling rough granular computing based on approximation spaces. Information Sciences, 2012, 184, 20-43.	4.0	125
666	A comparative study of rough sets for hybrid data. Information Sciences, 2012, 190, 1-16.	4.0	60
667	Relationships among generalized rough sets in six coverings and pure reflexive neighborhood system. Information Sciences, 2012, 207, 66-78.	4.0	43
668	Attribute reduction of data with error ranges and test costs. Information Sciences, 2012, 211, 48-67.	4.0	105
669	Rough sets in the Soft Computing environment. Information Sciences, 2012, 212, 1-14.	4.0	44
670	Applying variable precision rough set model for clustering student suffering study's anxiety. Expert Systems With Applications, 2012, 39, 452-459.	4.4	51
671	Feature subset selection wrapper based on mutual information and rough sets. Expert Systems With Applications, 2012, 39, 574-584.	4.4	78
672	Distance: A more comprehensible perspective for measures in rough set theory. Knowledge-Based Systems, 2012, 27, 126-136.	4.0	45
673	Dominance-based rough set model in intuitionistic fuzzy information systems. Knowledge-Based Systems, 2012, 28, 115-123.	4.0	84
674	Risk Assessment of Communication Network of Power Company Based on Rough Set Theory and Multiclass SVM. Physics Procedia, 2012, 24, 1226-1231.	1.2	4
675	A transformation algorithm for incompatible information systems based on variable precision values. Journal of Control Theory and Applications, 2012, 10, 113-117.	0.8	0
676	Rough Sets. Intelligent Systems Reference Library, 2013, , 69-135.	1.0	0
677	UniDis: a universal discretization technique. Journal of Intelligent Information Systems, 2013, 40, 327-348.	2.8	6

#	ARTICLE	IF	CITATIONS
678	Consistency-preserving attribute reduction in fuzzy rough set framework. International Journal of Machine Learning and Cybernetics, 2013, 4, 287-299.	2.3	17
679	Dominance-based decision rule induction for multicriteria ranking. International Journal of Machine Learning and Cybernetics, 2013, 4, 427-444.	2.3	14
680	Fuzzy probabilistic rough set model on two universes and its applications. International Journal of Approximate Reasoning, 2013, 54, 1410-1420.	1.9	54
681	A Rough Programming Model Based on the Greatest Compatible Classes and Synthesis Effect. Systems Research and Behavioral Science, 2013, 30, 229-243.	0.9	13
682	Approximate evaluations based on aggregation functions. Fuzzy Sets and Systems, 2013, 220, 34-52.	1.6	10
683	Rough Sets, Fuzzy Sets, Data Mining, and Granular Computing. Lecture Notes in Computer Science, 2013, , .	1.0	2
684	Enhanced Optimized Link State Routing protocol for VANET using Fuzzy Rough Set. , 2013, , .		3
685	Emerging Paradigms in Machine Learning. Smart Innovation, Systems and Technologies, 2013, , .	0.5	8
686	Brain and Health Informatics. Lecture Notes in Computer Science, 2013, , .	1.0	2
687	Three Approaches to Data Analysis. Intelligent Systems Reference Library, 2013, , .	1.0	29
688	Using a rough set model to extract rules in dominance-based interval-valued intuitionistic fuzzy information systems. Information Sciences, 2013, 221, 215-229.	4.0	79
689	Principal Factor Analysis for Forecasting Diurnal Water-Demand Pattern Using Combined Rough-Set and Fuzzy-Clustering Technique. Journal of Water Resources Planning and Management - ASCE, 2013, 139, 23-33.	1.3	12
690	Incremental induction of medical diagnostic rules. , 2013, , .		0
691	Incremental Induction of Probabilistic Rules Based on Incremental Sampling Scheme. , 2013, , .		0
692	Generalized probabilistic approximations. , 2013, , .		2
693	Dominance-based multi-granulation rough sets and decision rules extraction in incomplete fuzzy information systems. , 2013, , .		0
694	Fuzzy interval decision-theoretic rough sets. , 2013, , .		3
695	Attribute reduction for dynamic data sets. Applied Soft Computing Journal, 2013, 13, 676-689.	4.1	95

#	ARTICLE	IF	CITATIONS
696	Attribute selection based on information gain ratio in fuzzy rough set theory with application to tumor classification. Applied Soft Computing Journal, 2013, 13, 211-221.	4.1	346
697	Alternative rule induction methods based on incremental object using rough set theory. Applied Soft Computing Journal, 2013, 13, 372-389.	4.1	40
698	Minimum cost attribute reduction in decision-theoretic rough set models. Information Sciences, 2013, 219, 151-167.	4.0	192
699	Optimal scale selection for multi-scale decision tables. International Journal of Approximate Reasoning, 2013, 54, 1107-1129.	1.9	117
700	Two basic double-quantitative rough set models of precision and grade and their investigation using granular computing. International Journal of Approximate Reasoning, 2013, 54, 1130-1148.	1.9	43
701	Nested structure in parameterized rough reduction. Information Sciences, 2013, 248, 130-150.	4.0	25
702	Agglomerative clustering using improved rough sets and its applications in cooperative object localization. Computers and Electrical Engineering, 2013, 39, 1962-1969.	3.0	4
703	An accelerator for attribute reduction based on perspective of objects and attributes. Knowledge-Based Systems, 2013, 44, 90-100.	4.0	38
704	Multi-confidence rule acquisition oriented attribute reduction of covering decision systems via combinatorial optimization. Knowledge-Based Systems, 2013, 50, 187-197.	4.0	29
705	A matroidal approach to rough set theory. Theoretical Computer Science, 2013, 471, 1-11.	0.5	41
706	An analysis of customer room choice model and revenue management practices in the hotel industry. International Journal of Hospitality Management, 2013, 33, 178-183.	5.3	15
707	Variable-precision-dominance-based rough set approach to interval-valued information systems. Information Sciences, 2013, 244, 75-91.	4.0	70
708	Communication Between Information Systems Using Fuzzy Rough Sets. IEEE Transactions on Fuzzy Systems, 2013, 21, 527-540.	6.5	33
709	Rough Sets: From Rudiments to Challenges. Intelligent Systems Reference Library, 2013, , 75-173.	1.0	15
710	A new decision support model in multi-criteria decision making with intuitionistic fuzzy sets based on risk preferences and criteria reduction. Journal of the Operational Research Society, 2013, 64, 1205-1220.	2.1	18
711	Attribute reduction: A dimension incremental strategy. Knowledge-Based Systems, 2013, 39, 95-108.	4.0	100
712	The Composite Operator of Graded-Variable Precision Rough Sets and Its Properties. , 2013, , .		0
713	The topological structure in parameterized rough sets. , 2013, , .		0

#	Article	IF	Citations
714	ROUGH NON-DETERMINISTIC INFORMATION ANALYSIS FOR UNCERTAIN INFORMATION. , 2013, , 81-118.		7
715	Ant Colony Optimization with Three Stages for Independent Test Cost Attribute Reduction. Mathematical Problems in Engineering, 2013, 2013, 1-11.	0.6	5
716	Non-Monotonic Attribute Reduction in Decision-Theoretic Rough Sets. Fundamenta Informaticae, 2013, 126, 415-432.	0.3	35
717	Weak Dependencies in Approximation Spaces. Fundamenta Informaticae, 2013, 127, 193-207.	0.3	0
718	Variable Precision Rough Set Model Based on Covering Relation and Uncertainty Measure. Advanced Materials Research, 0, 694-697, 2856-2859.	0.3	1
719	Parametric Rough Sets with Application to Granular Association Rule Mining. Mathematical Problems in Engineering, 2013, 2013, 1-13.	0.6	7
720	Incremental Induction of Medical Diagnostic Rules Based on Incremental Sampling Scheme and SubRule Layers. Fundamenta Informaticae, 2013, 127, 209-223.	0.3	6
721	Decision-theoretic Rough Sets in Incomplete Information System. Fundamenta Informaticae, 2013, 126, 353-375.	0.3	6
722	Unifying Rough Set Theories via Large Scaled Granular Computing. Fundamenta Informaticae, 2013, 127, 413-428.	0.3	13
723	An Experimental Comparison of Three Probabilistic Approximations Used for Rule Induction. Fundamenta Informaticae, 2013, 127, 177-191.	0.3	0
724	Application of Variable Precision Rough Set in Power Transformer Fault Diagnosis. Applied Mechanics and Materials, 2013, 373-375, 824-828.	0.2	1
725	Comparison of Two Models of Probabilistic Rough Sets. Lecture Notes in Computer Science, 2013, , 121-132.	1.0	4
726	Boundary Variable Precision Dominance-Based Rough Set Approach in Multicriteria Sorting Problems. Advanced Materials Research, 0, 734-737, 3102-3106.	0.3	0
727	The Nested Structure in Fuzzy Rough Classifier. , 2013, , .		0
728	Knowledge Approximations in Binary Relation: Granular Computing Approach. International Journal of Intelligent Systems, 2013, 28, 843-864.	3.3	5
729	Evaluation of set-based indices based on incremental sampling framework. , 2013, , .		0
730	A Rough-Set-Based Incremental Approach for Updating Approximations under Dynamic Maintenance Environments. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 274-284.	4.0	129
731	Decision-relative discernibility matrices in the sense of entropies. International Journal of General Systems, 2013, 42, 721-738.	1.2	19

#	ARTICLE	IF	CITATIONS
732	The restriction mechanism of Chinese university results efficiency based on the hybrid of VPRS and optimized GM(1,1). , 2013, , .		0
733	Generalized variable precision probabilistic rough set. , 2013, , .		0
734	Crisp and Fuzzy Topological Interior and Closure Operators with Inclusion Degree. Theory and Applications. Fundamenta Informaticae, 2013, 122, 207-225.	0.3	2
735	Rough Set Approach to Incomplete Multiscale Information System. Scientific World Journal, The, 2014, 2014, 1-15.	0.8	1
736	A Variable Precision Attribute Reduction Approach in Multilabel Decision Tables. Scientific World Journal, The, 2014, 2014, 1-7.	0.8	2
737	Water Quality Assessment in the Harbin Reach of the Songhuajiang River (China) Based on a Fuzzy Rough Set and an Attribute Recognition Theoretical Model. International Journal of Environmental Research and Public Health, 2014, 11, 3507-3520.	1.2	21
738	A Variable Precision Covering-Based Rough Set Model Based on Functions. Scientific World Journal, The, 2014, 2014, 1-5.	0.8	2
739	Grey dominance variable precision rough set model based on grey dominance relationship. Grey Systems Theory and Application, 2014, 4, 473-486.	1.0	4
740	Incremental Learning Researches on Rough Set Theory. International Journal of Rough Sets and Data Analysis, 2014, 1, 99-112.	1.0	12
741	Comprehensive Evaluation of Low Carbon Economy Based on Rough Set Theory. Applied Mechanics and Materials, 0, 602-605, 3494-3497.	0.2	0
742	Uncertainty Measures in Ordered Information System Based on Approximation Operators. Abstract and Applied Analysis, 2014, 2014, 1-17.	0.3	0
743	Rough Inclusion Functions and Similarity Indices. Fundamenta Informaticae, 2014, 133, 149-163.	0.3	5
744	An Analysis of Probabilistic Approximations for Rule Induction from Incomplete Data Sets. Fundamenta Informaticae, 2014, 132, 365-379.	0.3	3
745	An Endogenous Growth Model Based on Pollution Control. Applied Mechanics and Materials, 2014, 644-650, 5224-5226.	0.2	0
746	Room Allocation for Hotel Revenue Management Considering Consumer Choice Behavior. , 2014, , .		0
747	Formal analysis of leave-one out method based on decremental sampling scheme. , 2014, , .		2
748	On variable precision of generalized rough sets. , 2014, , .		1
749	Formal analysis of cross-validation based on decremental sampling scheme. , 2014, , .		0

#	Article	IF	Citations
750	Probabilistic rule induction based on incremental sampling scheme. , 2014, , .		0
751	Interrelationship mining from a viewpoint of rough sets on two universes. , 2014, , .		3
752	Research on fault diagnosis method for complex equipment based on VPRS and NBNC. , 2014, , .		0
753	Formal Analysis of Leave-One-Out Methods Based on Decremental Sampling Scheme. , 2014, , .		1
754	Mining incomplete data with lost values and attribute-concept values. , 2014, , .		6
755	An advancing investigation on reduct and consistency for decision tables in Variable Precision Rough Set models. , 2014, , .		0
756	Incremental Approach for Updating Approximations of Variable Precision Rough Set Based on Dominance Relations. Applied Mechanics and Materials, 0, 631-632, 49-52.	0.2	0
757	Algorithms for Similarity Relation Learning from High Dimensional Data. Lecture Notes in Computer Science, 2014, , 174-292.	1.0	7
759	Multigranulations Rough Set Method of Attribute Reduction in Information Systems Based on Evidence Theory. Journal of Applied Mathematics, 2014, 2014, 1-9.	0.4	3
760	Cost-Sensitive Attribute Reduction in Decision-Theoretic Rough Set Models. Mathematical Problems in Engineering, 2014, 2014, 1-9.	0.6	3
761	Mining incomplete data with singleton, subset and concept probabilistic approximations. Information Sciences, 2014, 280, 368-384.	4.0	31
762	Pessimistic rough set based decisions: A multigranulation fusion strategy. Information Sciences, 2014, 264, 196-210.	4.0	146
763	A set covering based approach to find the reduct of variable precision rough set. Information Sciences, 2014, 275, 83-100.	4.0	21
764	A novel method for attribute reduction of covering decision systems. Information Sciences, 2014, 254, 181-196.	4.0	83
765	Quantitative rough sets based on subsethood measures. Information Sciences, 2014, 267, 306-322.	4.0	73
766	Soft fuzzy rough sets and its application in decision making. Artificial Intelligence Review, 2014, 41, 67-80.	9.7	90
767	Variable precision intuitionistic fuzzy rough sets model and its application. International Journal of Machine Learning and Cybernetics, 2014, 5, 263-280.	2.3	21
768	A novel variable precision (θ, σ) and Systems, 2014, 236, 58-72.	1.61	84

#	Article	IF	Citations
769	A rough set-based association rule approach implemented on exploring beverages product spectrum. Applied Intelligence, 2014, 40, 464-478.	3.3	10
770	Rough set theory: a novel approach for extraction of robust decision rules based on incremental attributes. Annals of Operations Research, 2014, 216, 163-189.	2.6	10
771	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
772	Search Methodologies. , 2014, , .		91
773	On multi-granulation covering rough sets. International Journal of Approximate Reasoning, 2014, 55, 1404-1418.	1.9	101
774	Feature selection with test cost constraint. International Journal of Approximate Reasoning, 2014, 55, 167-179.	1.9	143
775	Quantitative information architecture, granular computing and rough set models in the double-quantitative approximation space of precision and grade. Information Sciences, 2014, 268, 147-168.	4.0	44
776	Quick attribute reduction in inconsistent decision tables. Information Sciences, 2014, 254, 155-180.	4.0	55
777	Rule acquisition and complexity reduction in formal decision contexts. International Journal of Approximate Reasoning, 2014, 55, 259-274.	1.9	67
778	Decision Support System Based on Data Warehouse Design. Lecture Notes in Electrical Engineering, 2014, , 521-527.	0.3	0
779	Incremental rule induction based on updates of statistical indices. , 2014, , .		0
780	Formal analysis of cross-validation for rule induction using probabilistic indices. , 2014, , .		2
781	Game-theoretic rough sets for recommender systems. Knowledge-Based Systems, 2014, 72, 96-107.	4.0	60
782	Knowledge Engineering for Rough Sets Based Decision-Making Models. International Journal of Intelligent Systems, 2014, 29, 823-835.	3.3	5
783	Region-based quantitative and hierarchical attribute reduction in the two-category decision theoretic rough set model. Knowledge-Based Systems, 2014, 71, 146-161.	4.0	28
785	Scalable Pattern Recognition Algorithms. , 2014, , .		7
786	A rule-extraction framework under multigranulation rough sets. International Journal of Machine Learning and Cybernetics, 2014, 5, 319-326.	2.3	18
787	Rough Set Approach for Characterizing Customer Behavior. Arabian Journal for Science and Engineering, 2014, 39, 4565-4576.	1.1	5

#	Article	IF	Citations
788	Decision-theoretic rough fuzzy set model and application. Information Sciences, 2014, 283, 180-196.	4.0	98
789	Generalized probabilistic approximations of incomplete data. International Journal of Approximate Reasoning, 2014, 55, 180-196.	1.9	67
790	On an optimization representation of decision-theoretic rough set model. International Journal of Approximate Reasoning, 2014, 55, 156-166.	1.9	120
791	Approximate distribution reducts in inconsistent interval-valued ordered decision tables. Information Sciences, 2014, 271, 93-114.	4.0	49
792	Decision region distribution preservation reduction in decision-theoretic rough set model. Information Sciences, 2014, 278, 614-640.	4.0	80
793	Reduction target structure-based hierarchical attribute reduction for two-category decision-theoretic rough sets. Information Sciences, 2014, 277, 755-776.	4.0	39
794	Novel algorithms of attribute reduction with variable precision rough set model. Neurocomputing, 2014, 139, 336-344.	3.5	28
795	Multi-confidence rule acquisition and confidence-preserved attribute reduction in interval-valued decision systems. International Journal of Approximate Reasoning, 2014, 55, 1787-1804.	1.9	35
796	Three-way decisions space and three-way decisions. Information Sciences, 2014, 281, 21-52.	4.0	205
797	Multi-class decision-theoretic rough sets. International Journal of Approximate Reasoning, 2014, 55, 211-224.	1.9	84
798	Incorporating logistic regression to decision-theoretic rough sets for classifications. International Journal of Approximate Reasoning, 2014, 55, 197-210.	1.9	160
799	Multigranulation decision-theoretic rough sets. International Journal of Approximate Reasoning, 2014, 55, 225-237.	1.9	320
800	An axiomatic characterization of probabilistic rough sets. International Journal of Approximate Reasoning, 2014, 55, 130-141.	1.9	26
801	Dynamic information aggregation decision-making methods based on variable precision rough set and grey clustering. Grey Systems Theory and Application, 2014, 4, 347-361.	1.0	2
802	A classification approach based on variable precision rough sets and cluster validity index function. Engineering Computations, 2014, 31, 1778-1789.	0.7	0
803	Reconsideration of rules in tables with non-deterministic data. , 2014, , .		0
804	Layered Rule Induction. Procedia Computer Science, 2015, 55, 1213-1220.	1.2	0
805	From probabilistic computing approach to probabilistic rough set for solving problem related to uncertainty under machine learning. , 2015, , .		0

#	Article	IF	Citations
806	Knowledge reductions in generalized approximation space over two universes based on evidence theory. Journal of Intelligent and Fuzzy Systems, 2015, 28, 2471-2480.	0.8	7
807	Where Rough Sets and Fuzzy Sets Meet. Fundamenta Informaticae, 2015, 142, 269-284.	0.3	2
808	Multigranulation Decision-theoretic Rough Set in Ordered Information System. Fundamenta Informaticae, 2015, 139, 67-89.	0.3	38
809	Probabilistic fuzzy rough sets. Journal of Intelligent and Fuzzy Systems, 2015, 29, 1901-1912.	0.8	5
810	Applications of Fuzzy Rough Set Theory in Machine Learning: a Survey. Fundamenta Informaticae, 2015, 142, 53-86.	0.3	38
811	A Triple Structure of Rough Sets Based on Selection Function. Annals of Data Science, 2015, 2, 245-259.	1.7	0
812	Three-way decisions based Bayesian Network. , 2015, , .		1
813	Granular formalization of medical diagnostic process. , 2015, , .		0
814	Fuzzy rough set on probabilistic approximation space over two universes and its application to emergency decision–making. Expert Systems, 2015, 32, 507-521.	2.9	47
815	Rough Set Approximations in Multi-granulation Fuzzy Approximation Spaces. Fundamenta Informaticae, 2015, 142, 145-160.	0.3	13
816	Fuzzy variable precision rough sets based on residuated lattices. International Journal of General Systems, 2015, 44, 743-765.	1.2	21
817	Rough Set Methodology for Decision Aiding. , 2015, , 349-370.		11
818	Rule Induction from Rough Approximations. , 2015, , 371-385.		5
819	Hybrid multi-granulation rough sets of variable precision based on tolerance. , 2015, , .		1
820	A Matrix-Based Incremental Attribute Reduction Approach under Knowledge Granularity on the Variation of Attribute Set. , 2015, , .		0
821	Rule Mining Based on Nonmonotonic Rule Layers and Its Application to Medicine. , 2015, , .		0
822	Mining probabilistic rules using nonmonotonic rule layers. , 2015, , .		0
823	Parameterized reduction of covering decision systems. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
824	Stochastic Processes-based Rough Set Approach Involving Monotonic Variable Consistency Measures. , 2015, , .		0
825	A data completation algorithm for incomplete continuous data set. , 2015, , .		0
826	Mining incomplete data with many attribute-concept values and "do not care" conditions. , 2015, , .		3
827	Rule Induction by STRIM from the Decision Table with Missing and Contaminated Attribute Values. , 2015, , .		0
828	A New Approach to Attribute Reduction of Covering Information System. , 2015, , .		0
829	Incremental fuzzy probabilistic rough sets over dual universes. , 2015, , .		0
830	Decision rules acquisition based on interval knowledge granules for incomplete ordered decision information systems. International Journal of Machine Learning and Cybernetics, 2015, 6, 1019-1028.	2.3	5
831	Probabilistic tolerance rough set model. , 2015, , .		1
832	Knowledge Push Technology for Complex Mechatronic Products Design Based on Ontology and Variable Precision Rough Set. Applied Mechanics and Materials, 0, 799-800, 1107-1112.	0.2	1
833	Power transformer fault classification by combining genetic reduction with optimized multilayer support vector machine. , 2015, , .		1
834	Rough Sets and Knowledge Technology. Lecture Notes in Computer Science, 2015, , .	1.0	2
835	Approximate concepts acquisition based on formal contexts. Knowledge-Based Systems, 2015, 75, 78-86.	4.0	27
836	Incremental update of approximations in dominance-based rough sets approach under the variation of attribute values. Information Sciences, 2015, 294, 348-361.	4.0	81
837	Monotonic uncertainty measures for attribute reduction in probabilistic rough set model. International Journal of Approximate Reasoning, 2015, 59, 41-67.	1.9	91
838	Fuzzy and interval-valued fuzzy decision-theoretic rough set approaches based on fuzzy probability measure. Information Sciences, 2015, 298, 534-554.	4.0	55
839	Distributed Computing and Internet Technology. Lecture Notes in Computer Science, 2015, , .	1.0	3
840	A Novel Approach to Building a Robust Fuzzy Rough Classifier. IEEE Transactions on Fuzzy Systems, 2015, 23, 769-786.	6.5	55
841	Three-way decisions based on decision-theoretic rough sets under linguistic assessment with the aid of group decision making. Applied Soft Computing Journal, 2015, 29, 256-269.	4.1	162

#	Article	IF	Citations
842	Interpretation of equilibria in game-theoretic rough sets. Information Sciences, 2015, 295, 586-599.	4.0	10
843	An expanded double-quantitative model regarding probabilities and grades and its hierarchical double-quantitative attribute reduction. Information Sciences, 2015, 299, 312-336.	4.0	19
844	Uncertainty measures of Neighborhood System-based rough sets. Knowledge-Based Systems, 2015, 86, 57-65.	4.0	22
845	Rough set over dual-universes in intuitionistic fuzzy approximation space and its application. Journal of Intelligent and Fuzzy Systems, 2015, 28, 169-178.	0.8	9
846	Parallel computing of approximations in dominance-based rough sets approach. Knowledge-Based Systems, 2015, 87, 102-111.	4.0	32
847	Data Mining on ICT Usage in an Academic Campus: A Case Study. Lecture Notes in Computer Science, 2015, , 443-447.	1.0	3
848	Probabilistic Rough Sets. , 2015, , 387-411.		18
849	A comprehensive study of implicatorâ€"conjunctor-based and noise-tolerant fuzzy rough sets: Definitions, properties and robustness analysis. Fuzzy Sets and Systems, 2015, 275, 1-38.	1.6	70
850	Generalized interval-valued fuzzy variable precision rough sets determined by fuzzy logical operators. International Journal of General Systems, 2015, 44, 849-875.	1.2	21
851	Granular variable precision fuzzy rough sets with general fuzzy relations. Fuzzy Sets and Systems, 2015, 275, 39-57.	1.6	58
852	Update of approximations in composite information systems. Knowledge-Based Systems, 2015, 83, 138-148.	4.0	20
853	Double-quantitative decision-theoretic rough set. Information Sciences, 2015, 316, 54-67.	4.0	76
854	Rough approximation of a preference relation by multi-decision dominance for a multi-agent conflict analysis problem. Information Sciences, 2015, 315, 39-53.	4.0	55
855	Algorithm for the detection of outliers based on the theory of rough sets. Decision Support Systems, 2015, 75, 63-75.	3.5	43
856	Consistency of incomplete data. Information Sciences, 2015, 322, 197-222.	4.0	14
857	Multigranulation decision-theoretic rough sets in incomplete information systems. International Journal of Machine Learning and Cybernetics, 2015, 6, 1005-1018.	2.3	31
858	A Uniform Framework for Rough Approximations Based on Generalized Quantifiers. Lecture Notes in Computer Science, 2015, , 1-16.	1.0	1
860	A study of decision process in MCDM problems with large number of criteria. International Transactions in Operational Research, 2015, 22, 237-264.	1.8	27

#	ARTICLE	IF	CITATIONS
861	Proposal of a statistical test rule induction method by use of the decision table. Applied Soft Computing Journal, 2015, 28, 160-166.	4.1	16
862	Incremental updating approximations in probabilistic rough sets under the variation of attributes. Knowledge-Based Systems, 2015, 73, 81-96.	4.0	69
863	Automatic determination about precision parameter value based on inclusion degree with variable precision rough set model. Information Sciences, 2015, 290, 72-85.	4.0	9
864	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.	4.0	15
865	A Novel Method for Acquiring Engineering-Oriented Operational Empirical Knowledge. Mathematical Problems in Engineering, 2016, 2016, 1-19.	0.6	2
866	An assessment method for the impact of missing data in the rough set-based decision fusion. Intelligent Data Analysis, 2016, 20, 1267-1284.	0.4	6
867	Algorithm of Attribute Reduction in Dominance Based Rough Sets Combined with Dominance Discernibility Matrix. , 2016, , .		0
868	Boosting Accuracy of Classical Machine Learning Antispam Classifiers in Real Scenarios by Applying Rough Set Theory. Scientific Programming, 2016, 2016, 1-10.	0.5	9
869	A novel attribute reduction approach for multi-label data based on rough set theory. Information Sciences, 2016, 367-368, 827-847.	4.0	68
870	Hybrid multi-granulation rough sets ofÂvariable precision based on tolerance. Journal of Intelligent and Fuzzy Systems, 2016, 31, 717-725.	0.8	8
871	An extension of rough fuzzy set. Journal of Intelligent and Fuzzy Systems, 2016, 30, 3311-3320.	0.8	6
872	Paradigmatic and Syntagmatic Relations in Information Systems over Ontological Graphs. Fundamenta Informaticae, 2016, 148, 229-242.	0.3	6
873	Attribute reduction based on fuzziness of approximation set in multi-granulation spaces. Journal of China Universities of Posts and Telecommunications, 2016, 23, 16-23.	0.8	1
874	A Bayesian decision classification method for multiple categories. , 2016, , .		0
875	Compound approximation spaces for relational data. International Journal of Approximate Reasoning, 2016, 71, 89-111.	1.9	6
876	An incremental algorithm for attribute reduction with variable precision rough sets. Applied Soft Computing Journal, 2016, 45, 129-149.	4.1	80
877	An incremental attribute reduction approach based on knowledge granularity under the attribute generalization. International Journal of Approximate Reasoning, 2016, 76, 80-95.	1.9	58
878	Discrete particle swarm optimization approach for cost sensitive attribute reduction. Knowledge-Based Systems, 2016, 102, 116-126.	4.0	50

#	ARTICLE	IF	CITATIONS
879	Enabling decision trend analysis with interactive scatter plot matrices visualization. Journal of Visual Languages and Computing, 2016, 33, 13-23.	1.8	7
880	Three-way decision reduction in neighborhood systems. Applied Soft Computing Journal, 2016, 38, 942-954.	4.1	29
881	Quantitative/qualitative region-change uncertainty/certainty in attribute reduction: Comparative region-change analyses based on granular computing. Information Sciences, 2016, 334-335, 174-204.	4.0	23
882	Computational Intelligence Techniques in Health Care. SpringerBriefs in Applied Sciences and Technology, 2016, , .	0.2	1
883	Attribute Reduction Based on Rough Approximation Set in Algebra and Information Views. IEEE Access, 2016, 4, 5399-5407.	2.6	12
885	Mining approximate dependencies from diesel engine assembling data using clustering-based rough sets theory. , 2016, , .		1
886	Research of Aircraft Integrated Drive Generator fault diagnostic decision based on attribute reduction in rough sets. , 2016, , .		2
887	Rough fuzzy set based on logical disjunct operation of variable precision and grade in ordered information system. , 2016, , .		1
888	Financial time series forecasting using rough sets with time-weighted rule voting. Expert Systems With Applications, 2016, 66, 219-233.	4.4	31
889	Towards Paraconsistent Engineering. Intelligent Systems Reference Library, 2016, , .	1.0	19
890	Variance Based Determination of Three-Way Decisions Using Probabilistic Rough Sets. Lecture Notes in Computer Science, 2016, , 209-218.	1.0	2
891	A survey on rough set theory and its applications. CAAI Transactions on Intelligence Technology, 2016, 1, 323-333.	3.4	173
892	Updating P-dominated and P-dominating sets based on a classification tree. , 2016, , .		0
893	Transactions on Rough Sets XX. Lecture Notes in Computer Science, 2016, , .	1.0	1
894	Rough-mutual feature selection based-on minimal-boundary and maximal-lower. , 2016, , .		0
895	Incremental Updates of Rough Set-Based Probabilistic Rules. , 2016, , .		0
896	Construction of linguistic variables from data and domain knowledge. , 2016, , .		0
897	Three-way decisions based on covering rough set. Journal of Intelligent and Fuzzy Systems, 2016, 30, 1763-1772.	0.8	9

#	Article	IF	Citations
898	Construction of linguistic variables based on rule induction and concept hierarchy. , 2016, , .		0
899	Motor Imagery Classification Based on Variable Precision Multigranulation Rough Set and Game Theoretic Rough Set. Studies in Computational Intelligence, 2016, , 153-174.	0.7	2
900	The uncertainty of probabilistic rough sets in multi-granulation spaces. International Journal of Approximate Reasoning, 2016, 77, 38-54.	1.9	40
901	Efficient updating of probabilistic approximations with incremental objects. Knowledge-Based Systems, 2016, 109, 71-83.	4.0	29
902	Medical Imaging in Clinical Applications. Studies in Computational Intelligence, 2016, , .	0.7	13
903	Generalized multigranulation double-quantitative decision-theoretic rough set. Knowledge-Based Systems, 2016, 105, 190-205.	4.0	118
904	Lifelong aspect extraction from big data: knowledge engineering. Complex Adaptive Systems Modeling, 2016, 4, .	1.6	13
905	An approach to emergency decision making based on decision-theoretic rough set over two universes. Soft Computing, 2016, 20, 3617-3628.	2.1	57
906	Neighborhood based decision-theoretic rough set models. International Journal of Approximate Reasoning, 2016, 69, 1-17.	1.9	93
907	Formal reasoning in preference-based multiple-source rough set model. Information Sciences, 2016, 334-335, 122-143.	4.0	9
908	Online streaming feature selection using rough sets. International Journal of Approximate Reasoning, 2016, 69, 35-57.	1.9	80
909	A fuzzy multigranulation decision-theoretic approach to multi-source fuzzy information systems. Knowledge-Based Systems, 2016, 91, 102-113.	4.0	70
910	Variable precision multigranulation decision-theoretic fuzzy rough sets. Knowledge-Based Systems, 2016, 91, 93-101.	4.0	65
911	Effective segmentation and classification of thyroid histopathology images. Applied Soft Computing Journal, 2016, 46, 652-664.	4.1	22
912	Probabilistic graded rough set and double relative quantitative decision-theoretic rough set. International Journal of Approximate Reasoning, 2016, 74, 1-12.	1.9	18
913	Matrix approach to decision-theoretic rough sets for evolving data. Knowledge-Based Systems, 2016, 99, 123-134.	4.0	76
914	Hyperspectral band selection based on a variable precision neighborhood rough set. Applied Optics, 2016, 55, 462.	2.1	29
915	Decision Rule Approach. Profiles in Operations Research, 2016, , 497-552.	0.3	33

#	ARTICLE	IF	CITATIONS
916	On quick attribute reduction in decision-theoretic rough set models. Information Sciences, 2016, 330, 226-244.	4.0	23
917	A comparison of two MLEM2 rule induction algorithms extended to probabilistic approximations. Journal of Intelligent Information Systems, 2016, 47, 515-529.	2.8	2
918	Fuzzy probabilistic rough sets and their corresponding three-way decisions. Knowledge-Based Systems, 2016, 91, 126-142.	4.0	64
919	Sequential three-way decision and granulation for cost-sensitive face recognition. Knowledge-Based Systems, 2016, 91, 241-251.	4.0	226
920	Decision-theoretic rough sets under dynamic granulation. Knowledge-Based Systems, 2016, 91, 84-92.	4.0	47
921	Two Bayesian approaches to rough sets. European Journal of Operational Research, 2016, 251, 904-917.	3.5	52
922	Double-quantitative fusion of accuracy and importance: Systematic measure mining, benign integration construction, hierarchical attribute reduction. Knowledge-Based Systems, 2016, 91, 219-240.	4.0	28
923	A multi-attribute decision-making model for the robust classification of multiple inputs and outputs datasets with uncertainty. Applied Soft Computing Journal, 2016, 38, 176-189.	4.1	9
924	Three-way decision spaces based on partially ordered sets and three-way decisions based on hesitant fuzzy sets. Knowledge-Based Systems, 2016, 91, 16-31.	4.0	76
925	On some types of covering rough sets from topological points of view. International Journal of Approximate Reasoning, 2016, 68, 1-14.	1.9	52
926	Three-way recommender systems based on random forests. Knowledge-Based Systems, 2016, 91, 275-286.	4.0	173
927	Probabilistic Variable Precision Fuzzy Rough Sets. IEEE Transactions on Fuzzy Systems, 2016, 24, 29-39.	6.5	24
928	General relation-based variable precision rough fuzzy set. International Journal of Machine Learning and Cybernetics, 2017, 8, 891-901.	2.3	8
929	Determining Three-Way Decisions With Decision-Theoretic Rough Sets Using a Relative Value Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1785-1799.	5.9	39
930	Measuring Uncertainty of Probabilistic Rough Set Model From Its Three Regions. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 3299-3309.	5.9	31
931	Catoptrical rough set model on two universes using granule-based definition and its variable precision extensions. Information Sciences, 2017, 390, 70-81.	4.0	17
932	The further investigation of variable precision intuitionistic fuzzy rough set model. International Journal of Machine Learning and Cybernetics, 2017, 8, 1565-1584.	2.3	6
933	Fault-tolerant enhanced bijective soft set with applications. Applied Soft Computing Journal, 2017, 54, 431-439.	4.1	23

#	Article	IF	Citations
934	Clustering Based on Classification Quality (CCQ). Advances in Intelligent Systems and Computing, 2017, , 327-335.	0.5	1
935	Cost-sensitive rough set: A multi-granulation approach. Knowledge-Based Systems, 2017, 123, 137-153.	4.0	63
936	Uncertainty and reduction of variable precision multigranulation fuzzy rough sets based on three-way decisions. International Journal of Approximate Reasoning, 2017, 85, 36-58.	1.9	53
937	On the structure of fuzzy variable precisionÂrough sets based on generalizedÂresiduted lattices. Journal of Intelligent and Fuzzy Systems, 2017, 32, 483-497.	0.8	1
938	Covering-based multigranulation decision-theoretic rough sets. Journal of Intelligent and Fuzzy Systems, 2017, 32, 749-765.	0.8	14
939	Dynamic variable precision rough set approach for probabilistic set-valued information systems. Knowledge-Based Systems, 2017, 122, 131-147.	4.0	53
940	A probabilistic approach to rough set theory with modal logic perspective. Information Sciences, 2017, 406-407, 170-184.	4.0	4
941	Thriving Rough Sets. Studies in Computational Intelligence, 2017, , .	0.7	4
942	Pattern Recognition: Evolution, Mining and Big Data. , 2017, , 1-36.		4
943	Rough Sets in Pattern Recognition. , 2017, , 323-393.		0
944	Matrix-based approaches for dynamic updating approximations in multigranulation rough sets. Knowledge-Based Systems, 2017, 122, 51-63.	4.0	36
945	Attribute reduction for sequential three-way decisions under dynamic granulation. International Journal of Approximate Reasoning, 2017, 85, 196-216.	1.9	63
946	Local multigranulation decision-theoretic rough sets. International Journal of Approximate Reasoning, 2017, 82, 119-137.	1.9	112
947	A Group Incremental Reduction Algorithm with Varying Data Values. International Journal of Intelligent Systems, 2017, 32, 900-925.	3.3	16
948	Three-way decision model with two types of classification errors. Information Sciences, 2017, 420, 431-453.	4.0	49
949	PhysarumSoft: An update based on rough set theory. AIP Conference Proceedings, 2017, , .	0.3	2
950	Structured probabilistic rough set approximations. International Journal of Approximate Reasoning, 2017, 90, 319-332.	1.9	12
951	A new approach on covering fuzzy variableÂprecision rough sets based onÂresiduated lattice. Journal of Intelligent and Fuzzy Systems, 2017, 33, 3181-3190.	0.8	2

#	Article	IF	Citations
952	Neighborhood Systems and Variable Precision Generalized Rough Sets*. Fundamenta Informaticae, 2017, 153, 271-290.	0.3	5
953	Temperature prediction of disconnecting switch based on fuzzy rough set and neural network. , 2017, , .		0
954	Incident data preprocessing in railway control systems using a rough-set-based approach. , 2017, , .		4
955	Dynamic probabilistic rough sets with incomplete data. Information Sciences, 2017, 417, 39-54.	4.0	44
956	Feature selection and approximate reasoning of large-scale set-valued decision tables based on Î± -dominance-based quantitative rough sets. Information Sciences, 2017, 378, 328-347.	4.0	42
957	Generalized dominance rough set models for the dominance intuitionistic fuzzy information systems. Information Sciences, 2017, 378, 1-25.	4.0	52
958	Rough Set Description of Strategy Games onÂPhysarum Machines. Emergence, Complexity and Computation, 2017, , 615-636.	0.2	3
959	Inclusion degree with variable-precision model in analyzing inconsistent decision tables. Granular Computing, 2017, 2, 65-72.	4.4	13
960	A new effect-based roughness measure for attribute reduction in information system. Information Sciences, 2017, 378, 348-362.	4.0	10
961	Three-way decisions model based on tolerance rough fuzzy set. International Journal of Machine Learning and Cybernetics, 2017, 8, 35-43.	2.3	25
962	Rule-based back propagation neural networks for various precision rough set presented KANSEI knowledge prediction: a case study on shoe product form features extraction. Neural Computing and Applications, 2017, 28, 613-630.	3.2	55
963	Fuzzy rough set over multi-universes andÂitsÂapplication in decision making1. Journal of Intelligent and Fuzzy Systems, 2017, 32, 1719-1734.	0.8	10
964	A noise resistant dependency measure for rough set-based feature selection. Journal of Intelligent and Fuzzy Systems, 2017, 33, 1613-1626.	0.8	0
965	Study on roughness measurement model based on effect precision. , 2017, , .		0
966	Generalized granular variable precision approximation operators1. Journal of Intelligent and Fuzzy Systems, 2017, 33, 3569-3582.	0.8	0
967	An optimal tree based classification technique using enhanced variable precision explicit region. , 2017, , .		0
968	A short note on rough set over dual-universes. Journal of Experimental and Theoretical Artificial Intelligence, 2018, 30, 725-731.	1.8	0
969	A variable precision grey-based multi-granulation rough set model and attribute reduction. Knowledge-Based Systems, 2018, 148, 131-145.	4.0	20

#	ARTICLE	IF	CITATIONS
970	Attribute selection using fuzzy roughset based customized similarity measure for lung cancer microarray gene expression data. Future Computing and Informatics Journal, 2018, 3, 131-142.	0.4	29
971	Rule Generation Based on Novel Kernel Intuitionistic Fuzzy Rough Set Model. IEEE Access, 2018, 6, 11953-11958.	2.6	12
972	Grid-clustered rough set model for self-learning and fast reduction. Pattern Recognition Letters, 2018, 106, 61-68.	2.6	9
973	Local rough set: A solution to rough data analysis in big data. International Journal of Approximate Reasoning, 2018, 97, 38-63.	1.9	114
974	Obstacle diagnosis of green competition promotion: a case study of provinces in China based on catastrophe progression and fuzzy rough set methods. Environmental Science and Pollution Research, 2018, 25, 4344-4360.	2.7	26
975	Green competitiveness evaluation of provinces in China based on correlation analysis and fuzzy rough set. Ecological Indicators, 2018, 85, 841-852.	2.6	39
976	A novel incremental attribute reduction approach for dynamic incomplete decision systems. International Journal of Approximate Reasoning, 2018, 93, 443-462.	1.9	67
977	Reasoning with Rough Sets. Intelligent Systems Reference Library, 2018, , .	1.0	13
978	Characteristic sets and generalized maximal consistent blocks in mining incomplete data. Information Sciences, 2018, 453, 66-79.	4.0	20
979	Local neighborhood rough set. Knowledge-Based Systems, 2018, 153, 53-64.	4.0	96
980	Decision-theoretic rough set approaches to multi-covering approximation spaces based on fuzzy probability measure. Journal of Intelligent and Fuzzy Systems, 2018, 34, 1917-1931.	0.8	14
981	Three-way decisions model based on rough fuzzy set. Journal of Intelligent and Fuzzy Systems, 2018, 34, 2051-2059.	0.8	5
982	Streamwise feature selection: a rough set method. International Journal of Machine Learning and Cybernetics, 2018, 9, 667-676.	2.3	26
983	Granular variable precision L -fuzzy rough sets based on residuated lattices. Fuzzy Sets and Systems, 2018, 336, 148-166.	1.6	21
984	A Novel Variable Precision Reduction Approach to Comprehensive Knowledge Systems. IEEE Transactions on Cybernetics, 2018, 48, 661-674.	6.2	10
985	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.	6.5	51
986	Local attribute reductions for decision tables. Information Sciences, 2018, 422, 204-217.	4.0	37
987	Feature selection based on maximal neighborhood discernibility. International Journal of Machine Learning and Cybernetics, 2018, 9, 1929-1940.	2.3	47

#	Article	IF	Citations
988	Maximum decision entropy-based attribute reduction in decision-theoretic rough set model. Knowledge-Based Systems, 2018, 143, 179-191.	4.0	40
989	Three-way decisions approach to multiple attribute group decision making with linguistic information-based decision-theoretic rough fuzzy set. International Journal of Approximate Reasoning, 2018, 93, 424-442.	1.9	136
990	Dependency and accuracy measures for directed graphs. Applied Mathematics and Computation, 2018, 320, 781-794.	1.4	8
991	Logical Disjunction Double-Quantitative Fuzzy Rough Sets. , 2018, , .		1
992	Application of the Variable Precision Rough Sets Model to Estimate the Outlier Probability of Each Element. Complexity, 2018, 2018, 1-14.	0.9	0
993	A Variable Precision Multi-granulation Rough Sets Model Based on Multiple Classification Error Rates and Constraint. , 2018, , .		0
994	Four-valued Tableau Calculi for Decision Logic of Rough Set. Procedia Computer Science, 2018, 126, 383-392.	1.2	10
995	Four-Valued Semantics for Granular Reasoning Towards Frame Problem. , 2018, , .		2
996	Considerations on the principle of rule induction by STRIM and its relationship to the conventional Rough Sets methods. Applied Soft Computing Journal, 2018, 73, 933-942.	4.1	5
997	A Pythagorean Fuzzy Multigranulation Probabilistic Model for Mine Ventilator Fault Diagnosis. Complexity, 2018, 2018, 1-19.	0.9	13
998	A Simple Modal Logic for Reasoning in Multigranulation Rough Set Model. ACM Transactions on Computational Logic, 2018, 19, 1-23.	0.7	1
999	A Positive Approximation Set Based Accelerating Approach for Condition Attribute Reduction. , 2018, , .		1
1000	Distinguishing Vagueness from Ambiguity in Rough Set Approximations. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2018, 26, 89-125.	0.9	3
1001	Novel Three-Way Decisions Models with Multi-Granulation Rough Intuitionistic Fuzzy Sets. Symmetry, 2018, 10, 662.	1.1	9
1002	Improved finite-time-convergence-differentiator-based robust back-stepping control of an air-breathing hypersonic vehicle. , 2018, , .		0
1003	Parametric Modeling of Electrocardiograms using Particle Swarm optimization. , 2018, 2018, 1-4.		3
1004	VPRS-Based Regional Decision Fusion of CNN and MRF Classifications for Very Fine Resolution Remotely Sensed Images. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4507-4521.	2.7	51
1005	Multi-granulation rough filters and rough fuzzy filters in Pseudo-BCI algebras. Journal of Intelligent and Fuzzy Systems, 2018, 34, 4377-4386.	0.8	7

#	Article	IF	Citations
1006	Multi-granularity feature selection on cost-sensitive data with measurement errors and variable costs. Knowledge-Based Systems, 2018, 158, 25-42.	4.0	22
1007	Covering-based multigranulation decision-theoretic rough set approaches with new strategies. Journal of Intelligent and Fuzzy Systems, 2018, 35, 1179-1191.	0.8	1
1008	Feature selection based on composition of rough sets induced by feature granulation. International Journal of Approximate Reasoning, 2018, 101, 276-292.	1.9	27
1009	Rough sets: past, present, and future. Natural Computing, 2018, 17, 855-876.	1.8	59
1010	Distance-based double-quantitative rough fuzzy sets with logic operations. International Journal of Approximate Reasoning, 2018, 101, 206-233.	1.9	28
1011	Intuitionistic fuzzy possibility measure-based three-way decisions for incomplete data. Journal of Intelligent and Fuzzy Systems, 2018, 35, 5657-5666.	0.8	10
1012	Double-quantitative decision-theoretic approach to multigranulation approximate space. International Journal of Approximate Reasoning, 2018, 98, 236-258.	1.9	28
1013	Synergistic Effect Evaluation of Main and Auxiliary Industry of Power Grid Based on the Information Fusion Technology from the Perspective of Sustainable Development of Enterprises. Sustainability, 2018, 10, 457.	1.6	2
1014	Medical Diagnosis Based on Single-Valued Neutrosophic Probabilistic Rough Multisets over Two Universes. Symmetry, 2018, 10, 213.	1.1	22
1015	A Novel Three-way decision model with decision-theoretic rough sets using utility theory. Knowledge-Based Systems, 2018, 159, 321-335.	4.0	72
1016	Modeling Enablers of Environmentally Conscious Manufacturing Strategy: An Integrated Method. Sustainability, 2018, 10, 2284.	1.6	6
1017	A cautious ranking methodology with its application for stock screening. Applied Soft Computing Journal, 2018, 71, 835-848.	4.1	3
1018	Heterogeneous multigranulation fuzzy rough set-based multiple attribute group decision making with heterogeneous preference information. Computers and Industrial Engineering, 2018, 122, 24-38.	3.4	48
1019	Complexity of Rule Sets in Mining Incomplete Data Using Characteristic Sets and Generalized Maximal Consistent Blocks. Lecture Notes in Computer Science, 2018, , 84-94.	1.0	1
1020	Context-Based Games of Swarms. Emergence, Complexity and Computation, 2019, , 283-312.	0.2	0
1021	Attribute reduction based on the Boolean matrix. Granular Computing, 2019, 4, 313-322.	4.4	6
1022	Fuzzy multi-granulation decision-theoretic rough sets based on fuzzy preference relation. Soft Computing, 2019, 23, 85-99.	2.1	18
1023	The determination of three-way decisions with decision-theoretic rough sets considering the loss function evaluated by multiple experts. Granular Computing, 2019, 4, 285-297.	4.4	20

#	Article	IF	Citations
1024	Behaviourism in Studying Swarms: Logical Models of Sensing and Motoring. Emergence, Complexity and Computation, 2019, , .	0.2	4
1025	Optimal granulation selection for multi-label data based on multi-granulation rough sets. Granular Computing, 2019, 4, 323-335.	4.4	13
1026	Three-way decisions with reflexive probabilistic rough fuzzy sets. Granular Computing, 2019, 4, 363-375.	4.4	11
1027	A comparative study of variable precision fuzzy rough sets based on residuated lattices. Fuzzy Sets and Systems, 2019, 373, 94-115.	1.6	7
1028	Information fusion in rough set theory : An overview. Information Fusion, 2019, 48, 107-118.	11.7	96
1029	Attribute reduction based on misclassification cost in variable precision rough set model. Journal of Intelligent and Fuzzy Systems, 2019, 37, 5129-5142.	0.8	4
1030	Medicines selection via fuzzy upward Î²-covering rough sets. Journal of Intelligent and Fuzzy Systems, 2019, 37, 4369-4390.	0.8	1
1032	Feature Selection and Rule Extraction Based on Variable Precision Rough Set. Journal of Physics: Conference Series, 2019, 1235, 012052.	0.3	2
1033	Adaptive rough radial basis function neural network with prototype outlier removal. Information Sciences, 2019, 505, 127-143.	4.0	11
1034	Constructing the Optimal Approximation Sets of Rough Sets in Multi-granularity Spaces. Lecture Notes in Computer Science, 2019, , 341-355.	1.0	1
1035	Characterizations and applications of parametric covering-based rough sets. Journal of Intelligent and Fuzzy Systems, 2019, 37, 2637-2650.	0.8	1
1036	Multi-Granulation Fuzzy Rough Sets Based on Fuzzy Preference Relations and Their Applications. IEEE Access, 2019, 7, 147825-147848.	2.6	10
1038	Discretization method based on binary ant colony and variable precision rough set. IOP Conference Series: Materials Science and Engineering, 2019, 569, 052027.	0.3	1
1039	Regularizing Conjunctive Features for Classification. , 2019, , .		0
1040	Research progress on network public opinion based on rough sets from the big data perspective. , 2019, , .		2
1041	Intuitionistic Fuzzy Quantifier and Its Application in Feature Selection. International Journal of Fuzzy Systems, 2019, 21, 441-453.	2.3	12
1042	Uncertainty Management with Fuzzy and Rough Sets. Studies in Fuzziness and Soft Computing, 2019, , .	0.6	5
1043	Causality measures and analysis: A rough set framework. Expert Systems With Applications, 2019, 136, 187-200.	4.4	8

#	Article	IF	Citations
1044	Identification of wheat powdery mildew using in-situ hyperspectral data and linear regression and support vector machines. Journal of Plant Pathology, 2019, 101, 1035-1045.	0.6	14
1045	A novel measure of attribute significance with complexity weight. Applied Soft Computing Journal, 2019, 82, 105543.	4.1	10
1046	Local logical disjunction double-quantitative rough sets. Information Sciences, 2019, 500, 87-112.	4.0	39
1047	A Fuzzy Rough Set Model Based on Reliability Over Dual-Universe and Its Applications. IEEE Access, 2019, 7, 50605-50617.	2.6	2
1048	Certain information granule system as a result of sets approximation by fuzzy context. International Journal of Approximate Reasoning, 2019, 111, 1-20.	1.9	8
1049	Variable precision multi decision λ-soft dominance based rough sets and their applications in conflict problems. Journal of Intelligent and Fuzzy Systems, 2019, 36, 5345-5360.	0.8	10
1050	Approximation operators for semiconcepts. Journal of Intelligent and Fuzzy Systems, 2019, 36, 3333-3343.	0.8	7
1051	Rough Set Based Method for Vehicle Collision Risk Assessment Through Inferring Driver's Braking Actions in Near-Crash Situations. IEEE Intelligent Transportation Systems Magazine, 2019, 11, 54-69.	2.6	16
1052	On the properties of subsethood measures. Information Sciences, 2019, 494, 208-232.	4.0	14
1053	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.	7.2	39
1054	New perspectives of granular computing in relation geometry induced by pairings. Annali Dell'Universita Di Ferrara, 2019, 65, 57-94.	0.7	3
1055	Decision-theoretic rough set in lattice-valued decision information system1. Journal of Intelligent and Fuzzy Systems, 2019, 36, 3289-3301.	0.8	6
1056	A three-way decision method based on Gaussian kernel in a hybrid information system with images: An application in medical diagnosis. Applied Soft Computing Journal, 2019, 77, 734-749.	4.1	53
1057	Generalized rough function with one variable and its properties. Journal of Information and Optimization Sciences, 2019, 40, 129-140.	0.2	0
1058	Decision-Making Method based on Mixed Integer Linear Programming and Rough Set: A Case Study of Diesel Engine Quality and Assembly Clearance Data. Sustainability, 2019, 11, 620.	1.6	3
1059	Local multigranulation decision-theoretic rough set in ordered information systems. Soft Computing, 2019, 23, 13247-13261.	2.1	20
1060	Research on Key Attributes of Learning Behavior Based on Rough Set. , 2019, , .		0
1061	Analysis on the Parameter Estimation Performance in an UWB/IMU Tightly-Coupled System. , 2019, , .		0

#	Article	IF	Citations
1062	The protections of the 5 â€" node Medium Voltage power system in case of the symmetrical faults. , 2019, , .		1
1063	Architecture of a Rover and its Navigation System Based on Artificial Vision. , 2019, , .		0
1064	Economic Evaluation Model and Application Tool of Electric Energy Substitution. , 2019, , .		0
1065	SplitSecond: Flexible Privilege Separation of Android Apps. , 2019, , .		2
1067	Scenario optimization in Software Process Improvement applying evolutionary techniques and association rules. , 2019, , .		0
1068	Study on the Effect of Liquid Cooling on the Temperature Distribution of Diesel Engine ECU. , 2019, , .		0
1070	Wideband Asymmetric Transmission and Energy Selection Metamaterial for Linearly Polarized Wave. , 2019, , .		1
1071	Sim-to-Real Learning for Casualty Detection from Ground Projected Point Cloud Data. , 2019, , .		6
1073	Cognitive decision making for the long-haul fiber optic communication systems. , 2019, , .		2
1074	Specific Modes of Formation of Dynamic States for Robotic Systems and their Control Systems, Taking into Account the Connectivity of Movements in Two Coordinates. , 2019, , .		4
1075	Belief-Driven Control Policy of a Drone with Microphones for Multiple Sound Source Search. , 2019, , .		2
1076	Multi-Layer Control and Simulation of the Lateral Stability on Commercial Vehicle. , 2019, , .		2
1077	SLAT-Calib: Extrinsic Calibration between a Sparse 3D LiDAR and a Limited-FOV Low-resolution Thermal Camera. , 2019, , .		10
1078	Evaluation of the System-Aggregated Potentials of Inertial Support Capabilities from Wind Turbines. , 2019, , .		2
1079	Convergence Rate Analysis for Distributed Optimization with Localization. , 2019, , .		2
1080	A Smart Sensor Node with Smartphone based IoMT. , 2019, , .		3
1081	The Probabilistic Assessment of Outgoing Transformer Operation Risk Considering the Correlation Between Wind Power and Photovoltaic. , 2019, , .		0
1082	Improved Fuzzy Rough Set model based on Automatic Noisy Sample Detection. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
1083	Integrating Strategic Information Systems Planning into Nigerian Security Agencies. , 2019, , .		0
1084	Magnetic Elastomer Sensor for Dynamic Torque Measurements in Magnetic Gears. , 2019, , .		3
1085	Assessment of Reliability and Remaining Fatigue Life of Topside Piping Using Dynamic Bayesian Network. , 2019, , .		1
1086	Real- Time Electricity Sub-metering and Monitoring System for Qatar Greener Schools Initiative. , 2019, , .		1
1087	An Apriori-based Data Analysis on Suspicious Network Event Recognition. , 2019, , .		3
1088	Dynamic Stability Walking On Inclined Surface For "T-FloW" Humanoid Robot Using Design Pattern Step. , 2019, , .		0
1089	Energy Management and Control Strategy of DC Microgrid Including Multiple Energy Storage Systems. , 2019, , .		5
1090	Implementation of Chinese Reader Aid for Visually-Impaired by Using Neural Network and Text Summarization Technologies. , 2019, , .		0
1091	Micro-electrodes based on CMOS Technology for Charactrization of Biological Cells. , 2019, , .		0
1092	Probabilistic Risk Assessment of an Active Distribution Network Using Monte Carlo Simulation Approach. , 2019, , .		8
1093	Application and Prospect of Regional Interlocking Based on Safety Ring Network in Alpine Region. , 2019, , .		0
1094	Chemical Structure Recognition (CSR) System: Automatic Analysis of 2D Chemical Structures in Document Images. , 2019, , .		4
1095	Implementation of Twenty seven level and Fifty one level Inverter using constant voltage sources. , 2019, , .		3
1096	The Experiment of The Simple High-Frequency Sensor to Detect The Degree of Brix in Sucrose Solutions. , 2019, , .		1
1097	High Linear Ring Amplifier Design with Analysis on Settling Procedures. , 2019, , .		0
1098	Co Active Electrode Enhances CBRAM Performance and Scaling Potential. , 2019, , .		8
1099	Deanonymizing Tor in a Stealthy Way. , 2019, , .		1
1100	Slow-Scale Bifurcation Analysis in Current-source H-Bridge Inverter. , 2019, , .		0

#	Article	IF	Citations
1101	An approach to multi-attribute group decision making based on multigranulation probabilistic fuzzy rough set and Multimoora method. Journal of Intelligent and Fuzzy Systems, 2019, 37, 4171-4194.	0.8	1
1102	Rough Setâ€"Based Classification Systems. Studies in Computational Intelligence, 2019, , .	0.7	2
1103	Multigranulation sequential three-way decisions based on multiple thresholds. International Journal of Approximate Reasoning, 2019, 105, 396-416.	1.9	59
1104	Cost-sensitive approximate attribute reduction with three-way decisions. International Journal of Approximate Reasoning, 2019, 104, 148-165.	1.9	67
1105	Fuzziness and incremental information of disjoint regions in double-quantitative decision-theoretic rough set model. International Journal of Machine Learning and Cybernetics, 2019, 10, 2669-2690.	2.3	15
1106	Covering-Based Variable Precision $(mathcal {I},mathcal {T})$-Fuzzy Rough Sets With Applications to Multiattribute Decision-Making. IEEE Transactions on Fuzzy Systems, 2019, 27, 1558-1572.	6.5	132
1107	Attribute reduction based on k-nearest neighborhood rough sets. International Journal of Approximate Reasoning, 2019, 106, 18-31.	1.9	119
1108	Granular maximum decision entropy-based monotonic uncertainty measure for attribute reduction. International Journal of Approximate Reasoning, 2019, 104, 9-24.	1.9	46
1109	Variable precision multigranulation rough fuzzy set approach to multiple attribute group decision-making based on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mi>Î»</mml:mi><mml:mo>-</mml:mo></mml:mrow></mml:math> similarity relation. Computers and Industrial Engineering, 2019, 127, 326-343.	3.4	36
1110	A spatial heterogeneity-based rough set extension for spatial data. International Journal of Geographical Information Science, 2019, 33, 240-268.	2.2	3
1111	Research on rough equality and rough inclusion of sets in multi-granulation spaces. Journal of Intelligent and Fuzzy Systems, 2019, 36, 2793-2806.	0.8	1
1112	Online streaming feature selection: a minimum redundancy, maximum significance approach. Pattern Analysis and Applications, 2019, 22, 949-963.	3.1	13
1113	Feature selection based on generalized variable-precision $$(vartheta ,sigma)$$ (Ï‘ , Ïƒ) -fuzzy granular rough set model over two universes. International Journal of Machine Learning and Cybernetics, 2019, 10, 913-924.	2.3	6
1114	Frequent pattern discovery with tri-partition alphabets. Information Sciences, 2020, 507, 715-732.	4.0	70
1115	NIS-Apriori-based rule generation with three-way decisions and its application system in SQL. Information Sciences, 2020, 507, 755-771.	4.0	27
1116	A general model of decision-theoretic three-way approximations of fuzzy sets based on a heuristic algorithm. Information Sciences, 2020, 507, 522-539.	4.0	52
1117	Structural risk minimization of rough set-based classifier. Soft Computing, 2020, 24, 2049-2066.	2.1	18
1118	Inclusion measure-based multi-granulation decision-theoretic rough sets in multi-scale intuitionistic fuzzy information tables. Information Sciences, 2020, 507, 421-448.	4.0	66

#	Article	IF	Citations
1119	Learning quasi-identifiers for privacy-preserving exchanges: a rough set theory approach. Granular Computing, 2020, 5, 71-84.	4.4	9
1120	An N-Soft Set Approach to Rough Sets. IEEE Transactions on Fuzzy Systems, 2020, 28, 2996-3007.	6.5	84
1121	Partial reduction algorithms for fuzzy relation systems. Knowledge-Based Systems, 2020, 188, 105047.	4.0	7
1122	A computational procedure for variable selection preserving different initial conditions. International Journal of Computer Mathematics, 2020, 97, 387-404.	1.0	17
1123	Topics in Rough Set Theory. Intelligent Systems Reference Library, 2020, , .	1.0	1
1124	Incremental mechanism of attribute reduction based on discernible relations for dynamically increasing attribute. Soft Computing, 2020, 24, 321-332.	2.1	20
1125	Fuzzy Rough Attribute Reduction for Categorical Data. IEEE Transactions on Fuzzy Systems, 2020, 28, 818-830.	6.5	141
1126	Biogeochemical responses of soil ecosystems to raw coal pollution in Xuanhua, China. Journal of Soils and Sediments, 2020, 20, 181-189.	1.5	4
1127	Attributes reductions of bipolar fuzzy relation decision systems. Neural Computing and Applications, 2020, 32, 10051-10071.	3.2	36
1128	Three-way decisions in fuzzy incomplete information systems. International Journal of Machine Learning and Cybernetics, 2020, 11, 667-674.	2.3	34
1129	Incremental updating approximations for double-quantitative decision-theoretic rough sets with the variation of objects. Knowledge-Based Systems, 2020, 189, 105082.	4.0	29
1130	Intuitionistic fuzzy TOPSIS method based on CVPIFRS models: An application to biomedical problems. Information Sciences, 2020, 517, 315-339.	4.0	75
1131	Attribute importance measurement method based on data coordination degree. Knowledge-Based Systems, 2020, 192, 105359.	4.0	3
1132	Quantitative three-way class-specific attribute reducts based on region preservations. International Journal of Approximate Reasoning, 2020, 117, 96-121.	1.9	27
1133	Indices for rough set approximation and the application to confusion matrices. International Journal of Approximate Reasoning, 2020, 118, 155-172.	1.9	19
1134	Variable precision rough set based unsupervised band selection technique for hyperspectral image classification. Knowledge-Based Systems, 2020, 193, 105414.	4.0	35
1135	Rough computing â€" A review of abstraction, hybridization and extent of applications. Engineering Applications of Artificial Intelligence, 2020, 96, 103924.	4.3	17
1138	Three-way decision for incomplete real-valued data. Journal of Intelligent and Fuzzy Systems, 2020, 39, 7843-7862.	0.8	4

#	Article	IF	Citations
1139	A new rough set based bayesian classifier prior assumption. Journal of Intelligent and Fuzzy Systems, 2020, 39, 2647-2655.	0.8	2
1140	Ensemble Fuzzy Feature Selection Based on Relevancy, Redundancy, and Dependency Criteria. Entropy, 2020, 22, 757.	1.1	10
1141	Bayesian rough set based information retrieval. Journal of Statistics and Management Systems, 2020, 23, 1147-1158.	0.3	8
1142	Accelerating Update of Approximations Under a Dominance Relation. IEEE Access, 2020, 8, 146472-146482.	2.6	0
1144	An efficient way of material classification using uncertainty assessment. IOP Conference Series: Materials Science and Engineering, 2020, 798, 012039.	0.3	0
1145	Novel Models of Fuzzy Rough Coverings Based on Fuzzy Î±-Neighborhood and its Application to Decision-Making. IEEE Access, 2020, 8, 224354-224364.	2.6	14
1146	Picture Fuzzy Rough Set and Rough Picture Fuzzy Set on Two Different Universes and Their Applications. Journal of Mathematics, 2020, 2020, 1-17.	0.5	5
1147	Complexity of Rule Sets Mined from Incomplete Data Using Probabilistic Approximations Based on Generalized Maximal Consistent Blocks. Procedia Computer Science, 2020, 176, 1803-1812.	1.2	5
1148	New results on granular variable precision fuzzy rough sets based on fuzzy (co)implications. Fuzzy Sets and Systems, 2021, 423, 149-169.	1.6	14
1149	Variable Precision Fuzzy Rough Set Model with Linguistic Labels. , 2020, , .		1
1150	Soft dominance based multigranulation decision theoretic rough sets and their applications in conflict problems. Artificial Intelligence Review, 2020, 53, 6079-6110.	9.7	8
1151	A novel three-way decision method in a hybrid information system with images and its application in medical diagnosis. Engineering Applications of Artificial Intelligence, 2020, 92, 103651.	4.3	46
1152	Double-quantitative variable consistency dominance-based rough set approach. International Journal of Approximate Reasoning, 2020, 124, 1-26.	1.9	27
1153	Medical applications via minimal topological structure. Journal of Intelligent and Fuzzy Systems, 2020, 39, 4723-4730.	0.8	26
1154	Bibliometric analysis of rough sets research. Applied Soft Computing Journal, 2020, 94, 106467.	4.1	38
1155	Covering-based variable precision fuzzy rough sets with PROMETHEE-EDAS methods. Information Sciences, 2020, 538, 314-336.	4.0	82
1156	Three-way decisions based on multi-granulation support intuitionistic fuzzy probabilistic rough sets. Journal of Intelligent and Fuzzy Systems, 2020, 38, 5013-5031.	0.8	10
1157	Single-parameter decision-theoretic rough set. Information Sciences, 2020, 539, 49-80.	4.0	25

#	Article	IF	Citations
1158	Key energy-consumption feature selection of thermal power systems based on robust attribute reduction with rough sets. Information Sciences, 2020, 532, 61-71.	4.0	26
1159	An MADM approach to covering-based variable precision fuzzy rough sets: an application to medical diagnosis. International Journal of Machine Learning and Cybernetics, 2020, 11, 2181-2207.	2.3	46
1160	Nonlinear Control Design for Voltage Source Converters in Weak AC Grids. , 2020, , .		4
1161	Non-Data-Aided Phase and Frequency Offset Estimation for QAM Signals Using Batch Learning. , 2020, , .		2
1162	Hardness-Aware Deep Metric Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 3214-3228.	9.7	14
1163	Distributed Wireless Network Optimization With Stochastic Local Search. , 2020, , .		1
1164	Three-way decision models based on multigranulation support intuitionistic fuzzy rough sets. International Journal of Approximate Reasoning, 2020, 124, 147-172.	1.9	11
1165	Fuzzy rough sets: Survey and proposal of an enhanced knowledge representation model based on automatic noisy sample detection. Cognitive Systems Research, 2020, 64, 37-56.	1.9	18
1166	A novel decision-making approach based on three-way decisions in fuzzy information systems. Information Sciences, 2020, 541, 362-390.	4.0	89
1167	Generalized hesitant fuzzy rough sets (GHFRS) and their application in risk analysis. Soft Computing, 2020, 24, 14005-14017.	2.1	12
1168	A three-way decision method in a hybrid decision information system and its application in medical diagnosis. Artificial Intelligence Review, 2020, 53, 4707-4736.	9.7	21
1169	An Unconditionally Stable Single-Field Finite-Difference Time-Domain Method for the Solution of Maxwell Equations in Three Dimensions. IEEE Transactions on Antennas and Propagation, 2020, 68, 3859-3868.	3.1	10
1170	Design and PIC Simulation Studies of Millimeter-Wave-Tunable Gyrotron Using Metal PBG Cavity as its RF Interaction Circuit. IEEE Transactions on Plasma Science, 2020, 48, 845-851.	0.6	2
1171	Complex network analysis of three-way decision researches. International Journal of Machine Learning and Cybernetics, 2020, 11, 973-987.	2.3	47
1172	Variable precision diversified attribute multigranulation fuzzy rough set-based multi-attribute group decision making problems. Computers and Industrial Engineering, 2020, 142, 106331.	3.4	25
1173	Positional and Orientational Accuracy of 3-D Ultrasound Navigation System on Vertebral Phantom Study. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 6412-6419.	2.4	13
1174	Double-Quantitative Generalized Multi-Granulation Set-Pair Dominance Rough Sets in Incomplete Ordered Information System. Symmetry, 2020, 12, 133.	1.1	2
1175	Physical Bounds and Radiation Modes for MIMO Antennas. IEEE Transactions on Antennas and Propagation, 2020, 68, 4302-4311.	3.1	10

#	Article	IF	Citations
1176	A common attribute reduction form for information systems. Knowledge-Based Systems, 2020, 193, 105466.	4.0	20
1177	Data meaning and knowledge discovery: Semantical aspects of information systems. International Journal of Approximate Reasoning, 2020, 119, 40-57.	1.9	10
1178	Bi-ideal approximation spaces and their applications. Soft Computing, 2020, 24, 12989-13001.	2.1	19
1179	Distributed k-Connectivity Restoration for Fault Tolerant Wireless Sensor and Actuator Networks: Algorithm Design and Experimental Evaluations. IEEE Transactions on Reliability, 2021, 70, 1112-1125.	3.5	22
1180	Knowledge and approximations: A formal study under the perspective of information systems and rough set theory. Information Sciences, 2020, 524, 97-115.	4.0	5
1181	On variable-precision-based rough set approach to incomplete interval-valued fuzzy information systems and its applications. Journal of Intelligent and Fuzzy Systems, 2021, 40, 463-475.	0.8	2
1182	Progress in Advanced Computing and Intelligent Engineering. Advances in Intelligent Systems and Computing, 2021, , .	0.5	1
1183	Text document classification using fuzzy rough set based on robust nearest neighbor (FRS-RNN). Soft Computing, 2021, 25, 9915-9923.	2.1	11
1184	A multigranulation fuzzy rough approach to multisource information systems. Soft Computing, 2021, 25, 933-947.	2.1	2
1185	PROMETHEE II method based on variable precision fuzzy rough sets with fuzzy neighborhoods. Artificial Intelligence Review, 2021, 54, 1281-1319.	9.7	21
1186	Double-quantitative rough sets, optimal scale selection and reduction in multi-scale dominance IF decision tables. International Journal of Approximate Reasoning, 2021, 130, 170-191.	1.9	24
1187	Semi-monolayer covering rough set on set-valued information systems and its efficient computation. International Journal of Approximate Reasoning, 2021, 130, 83-106.	1.9	6
1188	A greedy belief rule base generation and learning method for classification problem. Applied Soft Computing Journal, 2021, 98, 106856.	4.1	23
1189	Three-way multi-attribute decision making under hesitant fuzzy environments. Information Sciences, 2021, 552, 328-351.	4.0	52
1190	Complexity of rule sets in mining incomplete data using characteristic sets and generalized maximal consistent blocks. Logic Journal of the IGPL, 2021, 29, 124-137.	1.3	3
1191	Optimal scale combination selection for multi-scale decision tables based on three-way decision. International Journal of Machine Learning and Cybernetics, 2021, 12, 281-301.	2.3	17
1192	A survey on granular computing and its uncertainty measure from the perspective of rough set theory. Granular Computing, 2021, 6, 3-17.	4.4	15
1193	Feature Evaluation of Emerging E-Learning Systems Using Machine Learning: An Extensive Survey. IEEE Access, 2021, 9, 69573-69587.	2.6	21

#	Article	IF	Citations
1194	Fuzzy rough sets and fuzzy rough neural networks for feature selection: A review. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2021, 11, e1402.	4.6	25
1195	A Framework for Various Attack Identification in MANET Using Multi-Granular Rough Set. , 2021, , 119-143.		2
1196	Relative Fuzzy Rough Approximations for Feature Selection and Classification. IEEE Transactions on Cybernetics, 2023, 53, 2200-2210.	6.2	12
1197	Summarization of information systems based on rough set theory. Journal of Intelligent and Fuzzy Systems, 2021, 40, 1001-1015.	0.8	2
1198	Mining Incomplete Data Using Global and Saturated Probabilistic Approximations Based on Characteristic Sets and Maximal Consistent Blocks. Lecture Notes in Computer Science, 2021, , 3-17.	1.0	3
1200	On Apriori-Based Rule Generation and the Explainable Reasoning Functionality for Decision. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2021, 33, 506-510.	0.0	0
1201	Decision Theoretic Rough Set-Based Neighborhood for Self-Organizing Map. SN Computer Science, 2021, 2, 1.	2.3	1
1202	On-Line Interpretation and Real-Time Diagnosis of Rocketâ€™s Single Equipment. Mathematical Problems in Engineering, 2021, 2021, 1-12.	0.6	0
1203	Grey variable dual precision rough set model and its application. Grey Systems Theory and Application, 2021, ahead-of-print, .	1.0	0
1204	A new fuzzy multi-attribute group decision-making method with generalized maximal consistent block and its application in emergency management. Knowledge-Based Systems, 2021, 215, 106594.	4.0	32
1205	Modification and complexity analysis of an incremental learning algorithm under the VPRS model. , 2021, , .		1
1206	Fuzzy soft covering-based multi-granulation fuzzy rough sets and their applications. Computational and Applied Mathematics, 2021, 40, 1.	1.0	25
1207	A three-way decision method based onÂhybrid data1. Journal of Intelligent and Fuzzy Systems, 2021, 40, 8639-8650.	0.8	4
1208	Constrained tolerance rough set in incomplete information systems. CAAI Transactions on Intelligence Technology, 2021, 6, 440-449.	3.4	1
1210	Probability granular distance-based fuzzy rough set model. Applied Soft Computing Journal, 2021, 102, 107064.	4.1	39
1211	Covering Fuzzy Rough Sets via Variable Precision. Journal of Mathematics, 2021, 2021, 1-10.	0.5	5
1212	Covering-based variable precision L-fuzzy rough sets based on residuated lattices and corresponding applications. International Journal of Machine Learning and Cybernetics, 2021, 12, 2407-2429.	2.3	13
1213	Tri-Partition State Alphabet-Based Sequential Pattern for Multivariate Time Series. Cognitive Computation, 2022, 14, 1881-1899.	3.6	63

#	ARTICLE	IF	CITATIONS
1214	Unconstrained Estimation of Multitype Car Rental Demand. Applied Sciences (Switzerland), 2021, 11, 4506.	1.3	2
1215	On local multigranulation covering decision-theoretic rough sets. Journal of Intelligent and Fuzzy Systems, 2021, 40, 11107-11130.	0.8	2
1216	Feature Selection Based on Minimal Information of Boundary Region. , 2021, , .		0
1217	Matrix approach to spanning matroids of rough sets and its application to attribute reduction. Theoretical Computer Science, 2021, , .	0.5	4
1218	Certain types of fuzzy soft Î²-covering based fuzzy rough sets with application to decision-making. Journal of Intelligent and Fuzzy Systems, 2021, 40, 10825-10836.	0.8	3
1219	A comprehensive study of upward fuzzy preference relation based fuzzy rough set models: Properties and applications in treatment of coronavirus disease. International Journal of Intelligent Systems, 2021, 36, 3704-3745.	3.3	5
1220	Dominance-based rough approximation and knowledge reduction: a class-based approach. Soft Computing, 2021, 25, 11535-11549.	2.1	2
1221	On three types of soft fuzzy coverings based rough sets. Mathematics and Computers in Simulation, 2021, 185, 452-467.	2.4	15
1222	On Different Types of Single-Valued Neutrosophic Covering Rough Set with Application in Decision-Making. Mathematical Problems in Engineering, 2021, 2021, 1-16.	0.6	1
1223	A study of interrelationships between rough set model accuracy and granule cover refinement processes. Information Sciences, 2021, 578, 116-128.	4.0	4
1224	Regularizing conjunctive features for classification. Journal of Computer and System Sciences, 2021, 119, 97-124.	0.9	2
1225	Knowledge reduction of pessimistic multigranulation rough sets in incomplete information systems. Soft Computing, 2021, 25, 12825-12838.	2.1	5
1226	Empirical risk minimization for dominance-based rough set approaches. Information Sciences, 2021, 567, 395-417.	4.0	15
1227	Graded rough sets based on neighborhood operator over two different universes and their applications in decision-making problems. Journal of Intelligent and Fuzzy Systems, 2021, 41, 2639-2664.	0.8	3
1228	Double-local rough sets for efficient data mining. Information Sciences, 2021, 571, 475-498.	4.0	17
1229	Rough-Bayesian approach to select class-pair specific descriptors for HEp-2 cell staining pattern recognition. Pattern Recognition, 2021, 117, 107982.	5.1	1
1230	Eliciting symptomâ€diagnosis knowledge from online medical Q&A. Expert Systems, 0, , e12821.	2.9	0
1231	Three-way Bayesian Confirmation in Classifications. Cognitive Computation, 2022, 14, 2020-2039.	3.6	8

#	ARTICLE	IF	CITATIONS
1232	Robust supervised rough granular description model with the principle of justifiable granularity. Applied Soft Computing Journal, 2021, 110, 107612.	4.1	36
1233	Automated granule discovery in continuous data for feature selection. Information Sciences, 2021, 578, 323-343.	4.0	8
1234	Cybersecurity in Active and Healthy Ageing Era. Procedia Computer Science, 2021, 192, 2068-2076.	1.2	0
1235	On Three Types of Soft Rough Covering-Based Fuzzy Sets. Journal of Mathematics, 2021, 2021, 1-9.	0.5	12
1236	Generalized multigranulation fuzzy rough sets based on upward additive consistency. Soft Computing, 2021, 25, 3377-3401.	2.1	4
1237	Rough Set Based Decision Support. , 2005, , 475-527.		52
1238	Feature Selection with Adjustable Criteria. Lecture Notes in Computer Science, 2005, , 204-213.	1.0	21
1239	Studies on Rough Sets in Multiple Tables. Lecture Notes in Computer Science, 2005, , 265-274.	1.0	3
1240	Variable Precision Bayesian Rough Set Model and Its Application to Human Evaluation Data. Lecture Notes in Computer Science, 2005, , 294-303.	1.0	19
1242	Variable Precision Fuzzy Rough Sets Model in the Analysis of Process Data. Lecture Notes in Computer Science, 2005, , 354-363.	1.0	17
1243	Rough Sets and Higher Order Vagueness. Lecture Notes in Computer Science, 2005, , 33-42.	1.0	14
1244	Approximation in Formal Concept Analysis. Lecture Notes in Computer Science, 2005, , 43-53.	1.0	19
1245	Live Logic TM : Method for Approximate Knowledge Discovery and Decision Making. Lecture Notes in Computer Science, 2005, , 532-540.	1.0	3
1246	Ontological Framework for Approximation. Lecture Notes in Computer Science, 2005, , 718-727.	1.0	13
1248	Approximate Boolean Reasoning Approach to Rough Sets and Data Mining. Lecture Notes in Computer Science, 2005, , 12-22.	1.0	13
1249	A Group Decision-Making Model of Risk Evasion in Software Project Bidding Based on VPRS. Lecture Notes in Computer Science, 2005, , 530-538.	1.0	8
1250	${mathcal R}o{mathcal S}y$: A Rough Knowledge Base System. Lecture Notes in Computer Science, 2005, , 48-58.	1.0	4
1251	Integration of Variable Precision Rough Set and Fuzzy Clustering: An Application to Knowledge Acquisition for Manufacturing Process Planning. Lecture Notes in Computer Science, 2005, , 585-593.	1.0	6

#	ARTICLE	IF	CITATIONS
1252	A Classification Model: Syntax and Semantics for Classification. Lecture Notes in Computer Science, 2005, , 59-68.	1.0	4
1254	A Framework for Reasoning with Rough Sets. Lecture Notes in Computer Science, 2005, , 178-276.	1.0	9
1255	Supervised Learning in the Gene Ontology Part I: A Rough Set Framework. Lecture Notes in Computer Science, 2005, , 69-97.	1.0	6
1256	Incremental Learning and Evaluation of Structures of Rough Decision Tables. Lecture Notes in Computer Science, 2005, , 162-177.	1.0	6
1257	Approximation Spaces in Machine Learning and Pattern Recognition. Lecture Notes in Computer Science, 2005, , 750-755.	1.0	1
1258	Using VPRS to Mine the Significance of Risk Factors in IT Project Management. Lecture Notes in Computer Science, 2006, , 750-757.	1.0	4
1260	Knowledge Reduction in Inconsistent Decision Tables. Lecture Notes in Computer Science, 2006, , 626-635.	1.0	7
1261	Approximate Boolean Reasoning: Foundations and Applications in Data Mining. Lecture Notes in Computer Science, 2006, , 334-506.	1.0	129
1262	Rough Sets and Vague Concept Approximation: From Sample Approximation to Adaptive Learning. Lecture Notes in Computer Science, 2006, , 39-62.	1.0	36
1263	Variable Precision Bayesian Rough Set Model and Its Application to Kansei Engineering. Lecture Notes in Computer Science, 2006, , 190-206.	1.0	18
1264	Variable Threshold Concept Lattice and Dependence Space. Lecture Notes in Computer Science, 2006, , 109-118.	1.0	14
1265	An Approach to Parameterized Approximation of Crisp and Fuzzy Sets. Lecture Notes in Computer Science, 2006, , 127-136.	1.0	2
1266	Variable-Precision Dominance-Based Rough Set Approach. Lecture Notes in Computer Science, 2006, , 203-212.	1.0	12
1267	Stochastic Approach to Rough Set Theory. Lecture Notes in Computer Science, 2006, , 38-48.	1.0	10
1268	Ontology Driven Concept Approximation. Lecture Notes in Computer Science, 2006, , 547-556.	1.0	2
1269	Towards Rough Applicability of Rules. , 2005, , 203-214.		2
1270	On the Computer-Assisted Reasoning about Rough Sets. , 2005, , 215-226.		14
1271	A New Rough Sets Model Based on Database Systems. , 2003, , 114-121.		55

#	ARTICLE	IF	CITATIONS
1272	Probabilistic Rough Sets Characterized by Fuzzy Sets. , 2003, , 173-180.		4
1273	Evaluation of Probabilistic Decision Tables. , 2003, , 189-196.		4
1274	Characteristics of Accuracy and Coverage in Rule Induction. , 2003, , 237-244.		2
1275	Approaches to Approximation Reducts in Inconsistent Decision Tables. , 2003, , 283-286.		12
1276	Classification Using the Variable Precision Rough Set. , 2003, , 350-353.		1
1277	Mining Positive and Negative Knowledge in Clinical Databases Based on Rough Set Model. Lecture Notes in Computer Science, 2001, , 460-471.	1.0	5
1278	Generating Concept Hierarchies/Networks: Mining Additional Semantics in Relational Data. Lecture Notes in Computer Science, 2001, , 174-185.	1.0	5
1279	Classification Based upon Frequent Patterns. Lecture Notes in Computer Science, 2001, , 72-79.	1.0	2
1280	An Investigation of β-Reduct Selection within the Variable Precision Rough Sets Model. Lecture Notes in Computer Science, 2001, , 114-122.	1.0	15
1281	Variable Consistency Model of Dominance-Based Rough Sets Approach. Lecture Notes in Computer Science, 2001, , 170-181.	1.0	108
1282	An Application of Rough Sets and Haar Wavelets to Face Recognition. Lecture Notes in Computer Science, 2001, , 561-568.	1.0	6
1284	A Rough Set Framework for Learning in a Directed Acyclic Graph. Lecture Notes in Computer Science, 2002, , 144-155.	1.0	12
1285	VPRSM Approach to WEB Searching. Lecture Notes in Computer Science, 2002, , 514-521.	1.0	15
1286	The Identification of Low-Paying Workplaces: An Analysis Using the Variable Precision Rough Sets Model. Lecture Notes in Computer Science, 2002, , 530-537.	1.0	6
1287	Optimistic vs. Pessimistic Interpretation of Linguistic Negation. Lecture Notes in Computer Science, 2002, , 132-141.	1.0	4
1288	Data Mining â€" a Rough Set Perspective. Lecture Notes in Computer Science, 1999, , 3-12.	1.0	10
1289	Algebraic specification of empirical inductive learning methods based on rough sets and matroid theory. Lecture Notes in Computer Science, 1995, , 224-243.	1.0	2
1290	Induction of expert system rules from databases based on rough set theory and Resampling methods. Lecture Notes in Computer Science, 1996, , 128-138.	1.0	2

#	ARTICLE	IF	CITATIONS
1291	The application of rough sets-based data mining technique to differential diagnosis of meningoenchepahlitis. Lecture Notes in Computer Science, 1996, , 438-447.	1.0	9
1293	Vagueness â€" A rough set view. Lecture Notes in Computer Science, 1997, , 106-117.	1.0	32
1294	Decision value oriented decomposition of data tables. Lecture Notes in Computer Science, 1997, , 487-496.	1.0	3
1295	Modelling Medical Diagnostic Rules Based on Rough Sets. Lecture Notes in Computer Science, 1998, , 475-482.	1.0	55
1296	Granular Computing and Data Mining for Ordered Data: The Dominance-Based Rough Set Approach. , 2009, , 4283-4305.		24
1297	Rough Set Data Analysis. , 2009, , 7742-7753.		1
1298	Rough Sets and Knowledge Discovery: An Overview. Workshops in Computing, 1994, , 11-15.	0.4	28
1299	Approximation of Relations. Workshops in Computing, 1994, , 161-166.	0.4	27
1300	Variable Precision Rough Sets with Asymmetric Bounds. Workshops in Computing, 1994, , 167-177.	0.4	72
1302	Temporal Rules Discovery using Datalogic/R+ with Stock Market Data. Workshops in Computing, 1994, , 74-81.	0.4	6
1303	Synthesis of Decision Systems from Data Tables. , 1997, , 259-299.		23
1304	Generalized Rough Sets in Contextual Spaces. , 1997, , 339-354.		6
1305	A Review of Rough Set Models. , 1997, , 47-75.		115
1306	Rough-Set-Based Decision Support. , 2014, , 557-609.		25
1307	Rough Sets. , 1998, , 27-71.		4
1308	In-Database Rule Learning Under Uncertainty: A Variable Precision Rough Set Approach. Studies in Fuzziness and Soft Computing, 2019, , 257-287.	0.6	1
1309	Rule Set Complexity in Mining Incomplete Data Using Global and Saturated Probabilistic Approximations. Communications in Computer and Information Science, 2019, , 451-462.	0.4	6
1310	Complexity of Rule Sets Induced from Data with Many Lost Values and â€œDo Not Careâ€•Conditions. Advances in Intelligent Systems and Computing, 2021, , 376-385.	0.5	2

#	Article	IF	Citations
1311	Mining Data with Many Missing Attribute Values Using Global and Saturated Probabilistic Approximations Based on Characteristic Sets. Communications in Computer and Information Science, 2020, , 72-83.	0.4	4
1312	Global and Saturated Probabilistic Approximations Based on Generalized Maximal Consistent Blocks. Lecture Notes in Computer Science, 2020, , 387-396.	1.0	6
1315	A Comparison of Two Versions of the MLEM2 Rule Induction Algorithm Extended to Probabilistic Approximations. Lecture Notes in Computer Science, 2014, , 109-119.	1.0	3
1316	A Method to Reduce Boundary Regions in Three-Way Decision Theory. Lecture Notes in Computer Science, 2014, , 834-843.	1.0	4
1317	PICKT: A Solution for Big Data Analysis. Lecture Notes in Computer Science, 2015, , 15-25.	1.0	12
1318	Roughness in Timed Transition Systems Modeling Propagation of Plasmodium. Lecture Notes in Computer Science, 2015, , 482-491.	1.0	8
1319	Mining Incomplete Data with Many Lost and Attribute-Concept Values. Lecture Notes in Computer Science, 2015, , 100-109.	1.0	1
1320	Decision-Oriented Rough Set Methods. Lecture Notes in Computer Science, 2015, , 3-12.	1.0	3
1321	Recent Development of Rough Computing: A Scientometrics View. Studies in Computational Intelligence, 2017, , 21-45.	0.7	6
1322	Rough Sets in Machine Learning: A Review. Studies in Computational Intelligence, 2017, , 87-118.	0.7	17
1323	Medical Diagnosis: Rough Set View. Studies in Computational Intelligence, 2017, , 139-156.	0.7	3
1324	Rough Set Analysis of Imprecise Classes. Studies in Computational Intelligence, 2017, , 157-185.	0.7	1
1325	Complexity of Rule Sets Induced by Two Versions of the MLEM2 Rule Induction Algorithm. Lecture Notes in Computer Science, 2017, , 21-30.	1.0	1
1326	Clustering Ensemble for Prioritized Sampling Based on Average and Rough Patterns. Lecture Notes in Computer Science, 2017, , 530-539.	1.0	1
1327	Characteristic Sets and Generalized Maximal Consistent Blocks in Mining Incomplete Data. Lecture Notes in Computer Science, 2017, , 477-486.	1.0	8
1328	Computer Certification of Generalized Rough Sets Based on Relations. Lecture Notes in Computer Science, 2017, , 83-94.	1.0	2
1329	Three-Way Decisions Based on Intuitionistic Fuzzy Sets. Lecture Notes in Computer Science, 2017, , 290-299.	1.0	7
1330	Certainty-Based Rough Sets. Lecture Notes in Computer Science, 2017, , 43-55.	1.0	3

#	Article	IF	Citations
1331	Bipolar Queries with Dialogue: Rough Set Semantics. Lecture Notes in Computer Science, 2018, , 229-242.	1.0	1
1332	A Comparison of Concept and Global Probabilistic Approximations Based on Mining Incomplete Data. Communications in Computer and Information Science, 2018, , 324-335.	0.4	9
1333	Rough Set-Based Classification of EEG-Signals to Detect Intraoperative Awareness: Comparison of Fuzzy and Crisp Discretization of Real Value Attributes. Lecture Notes in Computer Science, 2004, , 825-834.	1.0	11
1334	Generalizations of Rough Sets: From Crisp to Fuzzy Cases. Lecture Notes in Computer Science, 2004, , 26-37.	1.0	17
1335	Data Decomposition and Decision Rule Joining for Classification of Data with Missing Values. Lecture Notes in Computer Science, 2004, , 254-263.	1.0	14
1336	The Elucidation of an Iterative Procedure to ÃŸ-Reduct Selection in the Variable Precision Rough Sets Model. Lecture Notes in Computer Science, 2004, , 412-417.	1.0	3
1337	Possible Equivalence Relations and Their Application to Hypothesis Generation in Non-deterministic Information Systems. Lecture Notes in Computer Science, 2004, , 82-106.	1.0	9
1338	Basic Algorithms and Tools for Rough Non-deterministic Information Analysis. Lecture Notes in Computer Science, 2004, , 209-231.	1.0	66
1339	Data Decomposition and Decision Rule Joining for Classification of Data with Missing Values. Lecture Notes in Computer Science, 2004, , 299-320.	1.0	22
1340	Rough Sets and Relational Learning. Lecture Notes in Computer Science, 2004, , 321-337.	1.0	7
1341	Analysis on Classification Performance of Rough Set Based Reducts. Lecture Notes in Computer Science, 2006, , 423-433.	1.0	7
1342	Rough Sets and Conflict Analysis. Studies in Computational Intelligence, 2007, , 35-74.	0.7	7
1343	Discovery of Rules about Complications. Lecture Notes in Computer Science, 1999, , 29-37.	1.0	5
1344	On Combined Classifiers, Rule Induction and Rough Sets. , 2007, , 329-350.		34
1345	Approximation Spaces in Multi Relational Knowledge Discovery. , 2007, , 351-365.		1
1346	A Model PM for Preprocessing and Data Mining Proper Process. , 2007, , 397-399.		1
1347	A Wistech Paradigm for Intelligent Systems. Transactions on Rough Sets, 2007, , 94-132.	1.1	48
1348	A Fuzzy Measure Based on Variable Precision Rough Sets. , 2007, , 798-807.		3

#	Article	IF	Citations
1349	Consistency Based Attribute Reduction. , 2007, , 96-107.		36
1350	A General Definition of an Attribute Reduct. , 2007, , 101-108.		36
1351	Monotonic Variable Consistency Rough Set Approaches. , 2007, , 126-133.		13
1352	Bayesian Decision Theory for Dominance-Based Rough Set Approach. , 2007, , 134-141.		22
1353	Vaguely Quantified Rough Sets. Lecture Notes in Computer Science, 2007, , 87-94.	1.0	72
1354	Medical Reasoning and Rough Sets. Lecture Notes in Computer Science, 2007, , 90-100.	1.0	1
1355	Dependencies in Structures of Decision Tables. Lecture Notes in Computer Science, 2007, , 113-121.	1.0	5
1356	Rough Set Theory from a Math-Assistant Perspective. Lecture Notes in Computer Science, 2007, , 152-161.	1.0	12
1357	Rough Set Approach to Spam Filter Learning. Lecture Notes in Computer Science, 2007, , 350-359.	1.0	5
1358	Web-Based Support Systems with Rough Set Analysis. Lecture Notes in Computer Science, 2007, , 360-370.	1.0	43
1359	Classification of Complex Structured Objects on the Base of Similarity Degrees. Lecture Notes in Computer Science, 2007, , 553-563.	1.0	3
1360	Hierarchical Rough Classifiers. Lecture Notes in Computer Science, 2007, , 40-50.	1.0	2
1361	A Unified Formulation of Deduction, Induction and Abduction Using Granularity Based on VPRS Models and Measure-Based Semantics for Modal Logics. , 2008, , 280-290.		1
1362	Towards a Methodology for Data Mining Project Development: The Importance of Abstraction. Studies in Computational Intelligence, 2008, , 165-178.	0.7	5
1363	Multiple-Source Approximation Systems: Membership Functions and Indiscernibility. , 2008, , 80-87.		10
1364	Game-Theoretic Risk Analysis in Decision-Theoretic Rough Sets. , 2008, , 132-139.		39
1365	A Unifying Abstract Approach for Rough Models. , 2008, , 371-378.		12
1366	Rough Multi-category Decision Theoretic Framework. , 2008, , 676-683.		33

#	ARTICLE	IF	CITATIONS
1367	Modeling Methods of Weld Pool Dynamics During Pulsed GTAW. Lecture Notes in Electrical Engineering, 2009, , 113-162.	0.3	1
1368	Rough Set Approach to Information Tables with Imprecise Decisions. Lecture Notes in Computer Science, 2008, , 121-130.	1.0	3
1371	A Note on Attribute Reduction in the Decision-Theoretic Rough Set Model. Lecture Notes in Computer Science, 2008, , 61-70.	1.0	10
1372	Rules and Apriori Algorithm in Non-deterministic Information Systems. Lecture Notes in Computer Science, 2008, , 328-350.	1.0	35
1373	Modified Indiscernibility Relation in the Theory of Rough Sets with Real-Valued Attributes: Application to Recognition of Fraunhofer Diffraction Patterns. Lecture Notes in Computer Science, 2008, , 14-34.	1.0	3
1374	Hierarchical Classifiers for Complex Spatio-temporal Concepts. Lecture Notes in Computer Science, 2008, , 474-750.	1.0	73
1375	On Certain Rough Inclusion Functions. Lecture Notes in Computer Science, 2008, , 35-55.	1.0	13
1376	Quasi Dominance Rough Set Approach in Testing for Traces of Natural Selection at Molecular Level. Advances in Intelligent and Soft Computing, 2009, , 163-172.	0.2	5
1377	Supporting E-Learning System with Modified Bayesian Rough Set Model. Lecture Notes in Computer Science, 2009, , 192-200.	1.0	9
1378	A Multi-View Decision Model Based on Decision-Theoretic Rough Set. Lecture Notes in Computer Science, 2009, , 650-657.	1.0	32
1379	Rough Approximation Based on Weak q-RIFs. Lecture Notes in Computer Science, 2009, , 117-135.	1.0	10
1380	Affordance Relations. Lecture Notes in Computer Science, 2009, , 1-11.	1.0	2
1381	Interactive Rough-Granular Computing in Pattern Recognition. Lecture Notes in Computer Science, 2009, , 92-97.	1.0	3
1382	Variable Consistency Bagging Ensembles. Lecture Notes in Computer Science, 2010, , 40-52.	1.0	10
1383	A Preference-Based Multiple-Source Rough Set Model. Lecture Notes in Computer Science, 2010, , 247-256.	1.0	5
1385	An Empirical Comparison of Rule Sets Induced by LERS and Probabilistic Rough Classification. Lecture Notes in Computer Science, 2010, , 590-599.	1.0	8
1386	A Study of Multiple-Source Approximation Systems. Lecture Notes in Computer Science, 2010, , 46-75.	1.0	10
1387	Data Classification Using Rough Sets and NaÃ¯ve Bayes. Lecture Notes in Computer Science, 2010, , 134-142.	1.0	3

#	ARTICLE	IF	CITATIONS
1388	A Multi-agent Decision-Theoretic Rough Set Model. Lecture Notes in Computer Science, 2010, , 711-718.	1.0	10
1389	Naive Bayesian Rough Sets. Lecture Notes in Computer Science, 2010, , 719-726.	1.0	65
1390	A Note on Attribute Reduction in the Decision-Theoretic Rough Set Model. Lecture Notes in Computer Science, 2011, , 260-275.	1.0	26
1391	Information Granulation and Approximation in a Decision-Theoretical Model of Rough Sets. Cognitive Technologies, 2004, , 491-516.	0.5	19
1392	Adaptive Aspects of Combining Approximation Spaces. Cognitive Technologies, 2004, , 139-156.	0.5	31
1394	Incremental Rule Induction Based on Rough Set Theory. Lecture Notes in Computer Science, 2011, , 70-79.	1.0	19
1395	A Variable Precision Covering Generalized Rough Set Model. Lecture Notes in Computer Science, 2011, , 120-125.	1.0	2
1396	Uncertainty and Feature Selection in Rough Set Theory. Lecture Notes in Computer Science, 2011, , 8-15.	1.0	8
1397	Generalized Parameterized Approximations. Lecture Notes in Computer Science, 2011, , 136-145.	1.0	54
1398	Attribute Reduction in Decision-Theoretic Rough Set Model: A Further Investigation. Lecture Notes in Computer Science, 2011, , 466-475.	1.0	36
1399	Decision Making in Incomplete Information System Based on Decision-Theoretic Rough Sets. Lecture Notes in Computer Science, 2011, , 495-503.	1.0	9
1400	A New Formulation of Multi-category Decision-Theoretic Rough Sets. Lecture Notes in Computer Science, 2011, , 514-522.	1.0	20
1401	A New Method for Inconsistent Multicriteria Classification. Lecture Notes in Computer Science, 2011, , 600-609.	1.0	4
1402	Parallel Rough Set: Dimensionality Reduction and Feature Discovery of Multi-Dimensional Data in Visualization. Lecture Notes in Computer Science, 2011, , 99-108.	1.0	5
1403	A Descriptor-Based Division Chart Table in Rough Non-deterministic Information Analysis. Smart Innovation, Systems and Technologies, 2012, , 25-34.	0.5	4
1404	Application of Rough Set Theory to Sentiment Analysis of Microblog Data. Intelligent Systems Reference Library, 2013, , 185-202.	1.0	6
1405	Unifying Variable Precision and Classical Rough Sets: Granular Approach. Intelligent Systems Reference Library, 2013, , 365-373.	1.0	5
1406	Algebras for Information Systems. Intelligent Systems Reference Library, 2013, , 381-407.	1.0	5

#	ARTICLE	IF	CITATIONS
1408	The Models of Variable Precision Multigranulation Rough Sets. Lecture Notes in Computer Science, 2012, , 465-473.	1.0	6
1409	Dialectics of Counting and the Mathematics of Vagueness. Lecture Notes in Computer Science, 2012, , 122-180.	1.0	24
1410	Analysis of Association Rule Mining on Quantitative Concept Lattice. Lecture Notes in Computer Science, 2012, , 142-149.	1.0	3
1411	Local Probabilistic Approximations for Incomplete Data. Lecture Notes in Computer Science, 2012, , 93-98.	1.0	8
1413	Probabilistic Composite Rough Set and Attribute Reduction. Advances in Intelligent Systems and Computing, 2014, , 189-197.	0.5	1
1414	A Selection and Reduction Approach for the Optimization of Ultrasound Carotid Artery Images Segmentation. Intelligent Systems Reference Library, 2014, , 309-332.	1.0	3
1415	Empirical Risk Minimization for Variable Precision Dominance-Based Rough Set Approach. Lecture Notes in Computer Science, 2013, , 133-144.	1.0	5
1416	Two-Phase Classification Based on Three-Way Decisions. Lecture Notes in Computer Science, 2013, , 338-345.	1.0	4
1417	A Scientometrics Study of Rough Sets in Three Decades. Lecture Notes in Computer Science, 2013, , 28-40.	1.0	8
1418	Generalizations of Approximations. Lecture Notes in Computer Science, 2013, , 41-52.	1.0	2
1419	Probabilistic Approaches to the Rough Set Theory and Their Applications in Decision-Making. Studies in Computational Intelligence, 2014, , 67-80.	0.7	2
1421	An Efficient Approach for Fuzzy Decision Reduct Computation. Lecture Notes in Computer Science, 2014, , 82-108.	1.0	5
1422	Rough Sets in Economy and Finance. Lecture Notes in Computer Science, 2014, , 109-173.	1.0	9
1423	Logic, Probability, and Rough Sets. , 1999, , 364-373.		5
1424	Dominance-Based Rough Set Approach to Knowledge Discovery (I): General Perspective. , 2004, , 513-552.		28
1425	Variable Precision Multigranulation Rough Set and Attributes Reduction. Lecture Notes in Computer Science, 2014, , 52-68.	1.0	1
1426	Three-Way Decisions in Stochastic Decision-Theoretic Rough Sets. Lecture Notes in Computer Science, 2014, , 110-130.	1.0	2
1427	Dependency Analysis and Attribute Reduction in the Probabilistic Approach to Rough Sets. Studies in Computational Intelligence, 2015, , 93-111.	0.7	3

#	Article	IF	Citations
1429	Three-Way Decisions in Stochastic Decision-Theoretic Rough Sets. Lecture Notes in Computer Science, 2014, , 110-130.	1.0	10
1430	PRE and Variable Precision Models in Rough Set Data Analysis. Lecture Notes in Computer Science, 2015, , 17-37.	1.0	2
1431	A New Approach to Attribute Reduction of Decision Information Systems. Lecture Notes in Electrical Engineering, 2016, , 557-564.	0.3	2
1432	Data Mining Using Granular Computing: Fast Algorithms for Finding Association Rules. Studies in Fuzziness and Soft Computing, 2002, , 23-45.	0.6	14
1434	Rough Sets and Boolean Reasoning. Studies in Fuzziness and Soft Computing, 2001, , 95-124.	0.6	24
1435	Statistical Techniques for Rough Set Data Analysis. Studies in Fuzziness and Soft Computing, 2000, , 545-565.	0.6	10
1436	Rough Sets and Rough Logic: A KDD Perspective. Studies in Fuzziness and Soft Computing, 2000, , 583-646.	0.6	9
1437	Knowledge Discovery by Application of Rough Set Models. Studies in Fuzziness and Soft Computing, 2000, , 137-233.	0.6	66
1438	Various Approaches to Reasoning with Frequency Based Decision Reducts: A Survey. Studies in Fuzziness and Soft Computing, 2000, , 235-285.	0.6	53
1439	Rough and Fuzzy Sets for Data Mining of a Controlled Vocabulary for Textual Retrieval. Studies in Fuzziness and Soft Computing, 2000, , 358-372.	0.6	2
1440	Integrating RDMS and Data Mining Capabilities Using Rough Sets. Studies in Fuzziness and Soft Computing, 2000, , 371-384.	0.6	2
1441	Formalization and Induction of Medical Expert System Rules Based on Rough Set Theory. Studies in Fuzziness and Soft Computing, 1998, , 307-323.	0.6	7
1442	Approximation Spaces, Reducts and Representatives. Studies in Fuzziness and Soft Computing, 1998, , 109-126.	0.6	52
1443	Introduction: What You Always Wanted to Know about Rough Sets. Studies in Fuzziness and Soft Computing, 1998, , 1-20.	0.6	29
1444	Motor Imagery Classification Based on Variable Precision Multigranulation Rough Set. Advances in Intelligent Systems and Computing, 2016, , 145-154.	0.5	3
1445	Mining Incomplete Dataâ€"A Comparison of Concept and New Global Probabilistic Approximations. Smart Innovation, Systems and Technologies, 2020, , 167-178.	0.5	1
1446	Learning Rule-Based Models - The Rough Set Approach. , 2014, , 19-39.		11
1448	A Discretization Algorithm Based on Forest Optimization Network and Variable Precision Rough Set. Xibei Gongye Daxue Xuebao/Journal of Northwestern Polytechnical University, 2020, 38, 434-441.	0.3	2

#	Article	IF	Citations
1450	Attribute Reduction in Time-cost-sensitive Decision Systems through Backtracking. Journal of Information and Computational Science, 2014, 11, 597-606.	0.1	3
1451	Incomplete Variable Multigranulation Rough Sets Decision. Applied Mathematics and Information Sciences, 2014, 8, 1159-1166.	0.7	7
1452	Rough Sets Theory as Symbolic Data Mining Method: An Application on Complete Decision Table. Information Sciences Letters, 2013, 2, 35-47.	1.0	20
1453	Discernibility Thresholds and Approximate Dependency in Analysis of Decision Tables. Journal of Computers, 2015, 10, 412-417.	0.4	1
1454	Structure-Based Attribute Reduction in Variable Precision Rough Set Models. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2006, 10, 657-665.	0.5	7
1455	An Application of Discernibility Functions to Generating Minimal Rules in Non-Deterministic Information Systems. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2006, 10, 695-702.	0.5	22
1456	Variable Precision Rough Set Model in Information Tables with Missing Values. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2011, 15, 110-116.	0.5	4
1457	A k-Anonymous Rule Clustering Approach for Data Publishing. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2017, 21, 980-988.	0.5	3
1458	Reduction and Optimization of Supplier Risk Indicators Based on Rough Set. Open Cybernetics and Systemics Journal, 2014, 8, 513-518.	0.3	1
1459	Rough Fuzzy Set in Incomplete Fuzzy Information System Based on Similarity Dominance Relation. Recent Patents on Computer Science, 2009, 2, 68-74.	0.5	2
1460	Slime Mould Games Based on Rough Set Theory. International Journal of Applied Mathematics and Computer Science, 2018, 28, 531-544.	1.5	1
1461	Multi-Attribute Decision Making Based on Attribute Importance Degree and Case-Based Reasoning. Cybernetics and Information Technologies, 2013, 13, 62-74.	0.4	2
1462	Variable precision rough set model for attribute selection on environment impact dataset. International Journal of Advances in Intelligent Informatics, 2018, 4, 70.	0.8	2
1463	Risk Decision Making Based on Decision-theoretic Rough Set: A Three-way View Decision Model. International Journal of Computational Intelligence Systems, 2011, 4, 1.	1.6	27
1464	Incremental update of rough set approximation under the grade indiscernibility relation. International Journal of Computational Intelligence Systems, 2017, 10, 212.	1.6	4
1465	Research on approximation set of rough setÂbased on fuzzy similarity. Journal of Intelligent and Fuzzy Systems, 2017, 32, 2549-2562.	0.8	15
1466	Non-Deterministic Outlier Detection Method Based on the Variable Precision Rough Set Model. Computer Systems Science and Engineering, 2019, 34, 131-144.	1.9	13
1467	Variable Precision Rough Set Model Based on ($Î±$, $Î»$) Connection Degree Tolerance Relation. Zidonghua Xuebao/Acta Automatica Sinica, 2011, 37, 303-308.	0.3	5

#	ARTICLE	IF	CITATIONS
1468	Set-Theoretic Formulation of Granular Computing. Jisuanji Xuebao/Chinese Journal of Computers, 2012, 35, 351-363.	0.3	21
1469	Data discretization method based on statistical correlation coefficient. Journal of Computer Applications, 2011, 31, 1409-1412.	0.1	1
1470	Rough Neural Network Based on Variable Precision Rough Set. Dianzi Yu Xinxi Xuebao/Journal of Electronics and Information Technology, 2011, 30, 1913-1917.	0.1	1
1471	Improving Classification Accuracy of IC Packaging Products Database Based on Variable Precision Rough Sets. Information Technology Journal, 2008, 7, 440-449.	0.3	3
1472	Fluctuation and Distribution of Frankliniella occidentalis (Pergande) and Thrips tabaci Lindeman (Thysanoptera: Thripidae) Populations in Greenhouse Cucumber and Tomato. Pakistan Journal of Biological Sciences, 2005, 8, 1105-1111.	0.2	8
1473	Data Mining Based on Rough Sets. , 2003, , 142-173.		58
1474	Rough Sets and Data Mining. , 2009, , 1696-1701.		3
1475	Dominance-Based Rough Set Approach to Granular Computing. , 2010, , 439-496.		2
1476	A Framework for Various Attack Identification in MANET Using Multi-Granular Rough Set. International Journal of Information Security and Privacy, 2019, 13, 28-52.	0.6	3
1477	Information Systems on Hesitant Fuzzy Sets. International Journal of Rough Sets and Data Analysis, 2016, 3, 71-97.	1.0	8
1478	VPRS-Based Group Decision-Making for Risk Response in Petroleum Investment. International Journal of Knowledge and Systems Science, 2010, 1, 45-54.	0.5	2
1479	Customer Behavior Analysis Using Rough Set Approach. Journal of Theoretical and Applied Electronic Commerce Research, 2013, 8, 5-6.	3.1	15
1480	A Rough Set Version of the Go Game on Physarum Machines. , 2016, , .		6
1481	A New Attribute Decision Making Model Based on Attribute Importance. Technology and Investment, 2013, 04, 224-228.	0.4	4
1482	Rough Set Approach to Multivariate Decision Trees Inducing. Journal of Computers, 2012, 7, .	0.4	5
1483	ACQUISITION OF KANSEI DECISION RULES OF COFFEE FLAVOR USING ROUGH SET METHOD. KANSEI Engineering International, 2006, 5, 41-50.	0.2	16
1484	A COMPARATIVE STUDY ON APPROXIMATIONS OF DECISION CLASS AND RULE ACQUISITION BY ROUGH SETS MODEL AN APPLICATION TO THE DESIGN OF CHILDREN SHOES. KANSEI Engineering International, 2006, 5, 51-60.	0.2	8
1485	A MULTI-AGENT ROUGH SET MODEL TOWARD GROUP DECISION ANALYSIS. KANSEI Engineering International, 2006, 6, 33-40.	0.2	2

#	Article	IF	Citations
1486	Reduction and Push Technology of Cable Harness Information for Complex Mechatronic Products based on Variable Precision Rough Sets. , 2015, , .		1
1487	A Rough Sets-based Agent Trust Management Framework. International Journal of Intelligent Systems and Applications, 2013, 5, 1-19.	0.9	4
1488	Fuzzy-rough set and fuzzy ID3 decision approaches to knowledge discovery in datasets. Journal of Fuzzy Set Valued Analysis, 0, 2012, 1-25.	0.2	3
1489	Incremental updating three-way regions with variations of objects and attributes in incomplete neighborhood systems. Information Sciences, 2022, 584, 479-502.	4.0	12
1490	A novel three-way decision approach in decision information systems. Information Sciences, 2022, 584, 1-30.	4.0	20
1491	Optimal Decision Making with Data-Acquired Decision Tables. , 2000, , 75-85.		1
1492	Diagnostic Reasoning from the viewpoint of Rough Sets. Lecture Notes in Computer Science, 2001, , 495-502.	1.0	0
1495	The Variable Precision Rough Set Inductive Logic Programming Model and Web Usage Graphs. Lecture Notes in Computer Science, 2001, , 339-343.	1.0	5
1496	Interesting Rough Lattice-based Implication Rules Discovery. Studies in Fuzziness and Soft Computing, 2001, , 121-132.	0.6	2
1497	Induction of Rules about Complications with the use of Rough Sets. Studies in Fuzziness and Soft Computing, 2001, , 384-397.	0.6	0
1498	Rough Sets: Trends, Challenges, and Prospects. Lecture Notes in Computer Science, 2001, , 1-7.	1.0	4
1499	Automated Discovery of Decision Rule Chains Using Rough Sets and Medical Diagnostic Model. Lecture Notes in Computer Science, 2002, , 321-332.	1.0	0
1500	λ-Connected Approximations for Rough Sets. Lecture Notes in Computer Science, 2002, , 572-577.	1.0	3
1501	Validation of Concept Representation with Rule Induction and Linguistic Variables. Studies in Fuzziness and Soft Computing, 2002, , 91-101.	0.6	0
1502	Statistical Test for Rough Set Approximation Based on Fisher's Exact Test. Lecture Notes in Computer Science, 2002, , 381-388.	1.0	6
1503	Discovery of Positive and Negative Knowledge in Medical Databases Using Rough Sets. Lecture Notes in Computer Science, 2002, , 543-552.	1.0	3
1504	Reduction of Discriminant Rules Based on Frequent Item Set Calculation. Studies in Fuzziness and Soft Computing, 2002, , 419-438.	0.6	0
1505	Discovery of Approximate Knowledge in Medical Databases Based on Rough Set Model. Studies in Fuzziness and Soft Computing, 2002, , 232-246.	0.6	1

#	ARTICLE	IF	CITATIONS
1506	Granularity, Multi-valued Logic, Bayes' Theorem and Rough Sets. Studies in Fuzziness and Soft Computing, 2002, , 487-498.	0.6	8
1507	Rough Sets. , 2003, , 81-97.		0
1508	The Variable Precision Rough Set Inductive Logic Programming Model and Future Test Cases in Web Usage Mining. Studies in Fuzziness and Soft Computing, 2003, , 187-196.	0.6	3
1509	Acquisition of Vehicle Control Algorithms. , 2003, , 341-350.		0
1510	Applying Rough Sets Reduction Techniques to the Construction of a Fuzzy Rule Base for Case Based Reasoning. Lecture Notes in Computer Science, 2004, , 83-92.	1.0	10
1511	On Learnability of Decision Tables. Lecture Notes in Computer Science, 2004, , 394-401.	1.0	5
1512	Monotonic and Nonmonotonic Reasoning in Zoom Reasoning Systems. Lecture Notes in Computer Science, 2004, , 1085-1091.	1.0	1
1513	Computing Minimal Probabilistic Rules from Probabilistic Decision Tables: Decision Matrix Approach. Lecture Notes in Computer Science, 2004, , 84-94.	1.0	2
1514	Divisible Rough Sets Based on Self-organizing Maps. Lecture Notes in Computer Science, 2005, , 708-713.	1.0	0
1516	Financial Risk Prediction Using Rough Sets Tools: A Case Study. Lecture Notes in Computer Science, 2005, , 495-502.	1.0	0
1517	Develop Multi-hierarchy Classification Model: Rough Set Based Feature Decomposition Method. Lecture Notes in Computer Science, 2005, , 164-171.	1.0	2
1518	Variable Precision Rough Set Approach to Multiple Decision Tables. Lecture Notes in Computer Science, 2005, , 304-313.	1.0	4
1519	Discernibility-Based Variable Granularity and Kansei Representations. Lecture Notes in Computer Science, 2005, , 692-700.	1.0	4
1520	Knowledge Reduction in Set-Valued Decision Information System. Lecture Notes in Computer Science, 2006, , 348-357.	1.0	3
1521	Pawlak Rough Set Model, Medical Reasoning and Rule Mining. Lecture Notes in Computer Science, 2006, , 53-70.	1.0	3
1523	The Relationships Between Variable Precision Value and Knowledge Reduction Based on Variable Precision Rough Sets Model. Lecture Notes in Computer Science, 2006, , 122-128.	1.0	1
1524	A Roadmap from Rough Set Theory to Granular Computing. Lecture Notes in Computer Science, 2006, , 33-41.	1.0	30
1526	A New Method for Discretization of Continuous Attributes Based on VPRS. Lecture Notes in Computer Science, 2006, , 183-190.	1.0	2

#	Article	IF	Citations
1527	ComEnVprs: A Novel Approach for Inducing Decision Tree Classifiers. Lecture Notes in Computer Science, 2006, , 126-134.	1.0	4
1528	Reduction of Attribute Values for Kansei Representation. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2006, 10, 666-672.	0.5	3
1529	Divisible Rough Sets based on hierarchical clustering.. Inteligencia Artificial, 2006, 10, .	0.5	0
1530	Attribute Generalization and Fuzziness in Data Mining Contexts. Lecture Notes in Computer Science, 2007, , 379-386.	1.0	1
1531	Determining Significance of Attributes in the Unified Rough Set Approach. Lecture Notes in Computer Science, 2007, , 71-78.	1.0	0
1532	Study about Logistics Service Project Evaluation Based on Information Granularity of Rough Sets. , 2007, , .		3
1533	Constructing Associative Classifier Using Rough Sets and Evidence Theory. Lecture Notes in Computer Science, 2007, , 263-271.	1.0	1
1535	Î¦-Rough Sets Theory and Its Usage on Mining Approximate Dependencies. Lecture Notes in Computer Science, 2008, , 922-934.	1.0	0
1536	Experiments with Rough Set Approach to Face Recognition. Lecture Notes in Computer Science, 2008, , 399-408.	1.0	1
1538	Intuitionistic fuzzy rough set based on inclusion degree. Journal of Computer Applications, 2008, 28, 1997-1999.	0.1	0
1539	IDENTIFICATION OF CUSTOMERS <I>KANSEI</I> NEEDS AND DESIGN PATTERN BY ROUGH SET APPROACH. Transactions of Japan Society of Kansei Engineering, 2009, 8, 471-479.	0.1	0
1540	Granular Model for Data Mining. , 2009, , 4392-4402.		0
1541	Data Reduction with Rough Sets. , 2009, , 556-560.		1
1542	Rough Sets: Foundations and Perspectives. , 2009, , 7787-7797.		4
1543	Information Veins and Resampling with Rough Set Theory. , 2009, , 1034-1040.		0
1544	Dissimilar attribute reductions based on hierarchical clustering method. Journal of Computer Applications, 2009, 29, 419-420.	0.1	1
1545	System Uncertainty Based Data-Driven Knowledge Acquisition. International Journal of Software Science and Computational Intelligence, 2009, 1, 53-66.	1.8	0
1546	ROLAP-Oriented Temporal Vertical Partitioning Method Based on Rough Sets. Jisuanji Xuebao/Chinese Journal of Computers, 2009, 31, 1109-1121.	0.3	1

#	ARTICLE	IF	CITATIONS
1547	Rule Extraction and Rule Evaluation Based on Granular Computing. , 2010, , 196-242.		0
1548	Hierarchical Information System and Its Properties. Lecture Notes in Computer Science, 2010, , 528-536.	1.0	0
1549	Approximations and Classifiers. Lecture Notes in Computer Science, 2010, , 297-306.	1.0	0
1550	An Exposition of Feature Selection and Variable Precision Rough Set Analysis. , 2010, , 193-213.		0
1551	Computer Animation System Based on Rough Sets and Fuzzy Logic. Lecture Notes in Computer Science, 2010, , 90-99.	1.0	0
1552	Non-hierarchical Clustering of Decision Tables toward Rough Set-Based Group Decision Aid. Lecture Notes in Computer Science, 2010, , 195-206.	1.0	1
1553	Acquiring Knowledge from Decision Tables for Evidential Reasoning. Advances in Intelligent and Soft Computing, 2010, , 407-416.	0.2	1
1554	On a Criterion for Evaluating the Accuracy of Approximation by Variable Precision Rough Sets. Advances in Intelligent and Soft Computing, 2010, , 319-327.	0.2	1
1555	Proposal for Method of Design Evaluation Using Variable Precision Rough Sets. Transactions of Japan Society of Kansei Engineering, 2010, 9, 675-685.	0.1	2
1556	VPRS-Based Knowledge Discovery Approach in Incomplete Information System. Journal of Computers, 2010, 5, .	0.4	4
1557	An Evaluation Method of Relative Reducts Based on Roughness of Partitions. International Journal of Cognitive Informatics and Natural Intelligence, 2010, 4, 50-62.	0.4	7
1558	Further Considerations of Classification-Oriented and Approximation-Oriented Rough Sets in Generalized Settings. International Journal of Cognitive Informatics and Natural Intelligence, 2010, 4, 12-34.	0.4	0
1559	Feature Based Rule Learner in Noisy Environment Using Neighbourhood Rough Set Model. International Journal of Software Science and Computational Intelligence, 2010, 2, 66-85.	1.8	2
1560	Test Cost Constraint Reduction with Common Cost. Lecture Notes in Computer Science, 2011, , 55-63.	1.0	0
1561	A Comparative Study on Discretization Algorithms for Data Mining. Communications for Statistical Applications and Methods, 2011, 18, 89-102.	0.1	1
1562	Attribute Reduction in Incomplete Information Systems. Lecture Notes in Computer Science, 2011, , 587-594.	1.0	0
1563	An Incremental Updating Method for Computing Approximations by Matrix While the Universe Evolves over Time. Communications in Computer and Information Science, 2011, , 389-395.	0.4	0
1564	Attribute Reduction in Decision-Theoretic Rough Set Models Using Genetic Algorithm. Lecture Notes in Computer Science, 2011, , 307-314.	1.0	2

#	ARTICLE	IF	CITATIONS
1566	An Improved Variable Precision Model of Dominance-Based Rough Set Approach. Lecture Notes in Computer Science, 2011, , 60-67.	1.0	3
1567	Theory and Algorithm Based on the General Similar Relationship between the Approximate Reduction. Lecture Notes in Computer Science, 2011, , 128-135.	1.0	0
1568	Calculi of Approximation Spaces in Intelligent Systems. Intelligent Systems Reference Library, 2011, , 35-55.	1.0	3
1569	Mining fuzzy rules from quantitative data based on the Variable Precision Rough Set and Rough Fuzzy Set Theories. Journal of Convergence Information Technology, 2011, 6, 429-438.	0.1	0
1570	Rough Set Data Analysis. , 2012, , 2716-2727.		0
1571	Granular Computing and Data Mining for Ordered Data: The Dominance-Based Rough Set Approach. , 2012, , 1347-1368.		0
1572	An Introduction to Rough Sets. Advanced Information and Knowledge Processing, 2012, , 3-20.	0.2	1
1573	How Good Are Probabilistic Approximations for Rule Induction from Data with Missing Attribute Values?. Lecture Notes in Computer Science, 2012, , 46-55.	1.0	5
1574	Incremental Rules Induction Method Based on Three Rule Layers. Lecture Notes in Computer Science, 2012, , 71-80.	1.0	0
1575	Composite Product of Grade Approximation Operators in the Same Direction. Advances in Intelligent and Soft Computing, 2012, , 75-84.	0.2	0
1576	Incremental Rules Induction Based on Rule Layers. Lecture Notes in Computer Science, 2012, , 139-148.	1.0	8
1577	Granular Model for Data Mining. , 2012, , 1444-1454.		0
1578	Concluding Remarks and Challenges for Future Research. Studies in Fuzziness and Soft Computing, 2012, , 129-130.	0.6	0
1579	Biological Knowledge Integration in DNA Microarray Gene Expression Classification Based on Rough Set Theory. Advances in Intelligent and Soft Computing, 2012, , 53-61.	0.2	3
1581	Degree Induced Covering Rough Set Model. Advances in Intelligent and Soft Computing, 2012, , 829-833.	0.2	0
1582	The Application of Rough Programming Based on Inclusion Degree in Mechanical Engineering. Lecture Notes in Electrical Engineering, 2012, , 449-454.	0.3	0
1583	Sensitivity and Generalization of SVM with Weighted and Reduced Features. , 2012, , 161-182.		1
1584	Properties of Degree Induced Covering Rough Set. Lecture Notes in Electrical Engineering, 2012, , 393-397.	0.3	0

#	ARTICLE	IF	CITATIONS
1586	Variable Precision Induced Covering Rough Set. Advances in Intelligent and Soft Computing, 2012, , 823-828.	0.2	0
1587	Intuitionistic Fuzzy Dominanceâ€"based Rough Set Approach: Model and Attribute Reductions. Journal of Software, 2012, 7, .	0.6	5
1588	Multiple variable precision rough set model. Journal of Computer Applications, 2012, 31, 1634-1637.	0.1	0
1589	Application of Fault Detection based on Hybrid Intelligent Methods. TELKOMNIKA Indonesian Journal of Electrical Engineering, 2012, 10, .	0.1	4
1590	The Completion Algorithm in Multiple Decision Tables Based on Rough Sets. Lecture Notes in Computer Science, 2013, , 111-118.	1.0	0
1591	Rough Sets and Medical Differential Diagnosis. Intelligent Systems Reference Library, 2013, , 605-621.	1.0	7
1592	Rough Non-deterministic Information Analysis: Foundations and Its Perspective in Machine Learning. Smart Innovation, Systems and Technologies, 2013, , 215-247.	0.5	2
1593	An Experimental Comparison of Three Interpretations of Missing Attribute Values Using Probabilistic Approximations. Lecture Notes in Computer Science, 2013, , 77-86.	1.0	4
1595	DNA Rough-Set Computing in the Development of Decision Rule Reducts. Intelligent Systems Reference Library, 2013, , 409-438.	1.0	0
1596	Studies on the Necessary Data Size for Rule Induction by STRIM. Lecture Notes in Computer Science, 2013, , 213-220.	1.0	14
1598	Expression and Processing of Uncertain Information. Lecture Notes in Computer Science, 2013, , 53-65.	1.0	0
1599	Construction of Customer Relationship Management Model Based on Customer Life Cycle. International Journal of E-Education E-Business E-Management and E-Learning, 2013, , .	0.3	0
1600	A New Rule Induction Method from Decision Table by Use of a Statistical Test. Transactions of the Institute of Systems Control and Information Engineers, 2013, 26, 297-305.	0.1	0
1601	Incremental Induction of Medical Diagnostic Rules. Lecture Notes in Computer Science, 2013, , 409-417.	1.0	0
1602	Estimating impervious surface percent in plain river network regions using a refinement CART analysis. , 2013, , .		0
1603	Several Considerations on Statistical Test Rule Induction Method. , 2013, , .		0
1604	Minimum Error Classification Clustering. International Journal of Software Engineering and Its Applications, 2013, 7, 221-232.	0.2	1
1606	Predictions with Intuitionistic Fuzzy Soft Sets. Lecture Notes in Electrical Engineering, 2014, , 2935-2939.	0.3	0

#	ARTICLE	IF	CITATIONS
1607	Text Classification Algorithm Based on Rough Set. Lecture Notes in Electrical Engineering, 2014, , 499-506.	0.3	0
1608	Attribute Reduction Using Bayesian Decision Theoretic Rough Set Models. International Journal of Rough Sets and Data Analysis, 2014, 1, 15-31.	1.0	2
1610	Monotonic Uncertainty Measures in Probabilistic Rough Set Model. Lecture Notes in Computer Science, 2014, , 88-98.	1.0	0
1611	Considerations on Rule Induction Procedures by STRIM and Their Relationship to VPRS. Lecture Notes in Computer Science, 2014, , 198-208.	1.0	12
1612	Rough Sets for Selection of Molecular Descriptors to Predict Biological Activity of Molecules. , 2014, , 105-129.		0
1613	Optimal-Neighborhood Statistics Rough Set Approach with Multiple Attributes and Criteria. Lecture Notes in Computer Science, 2014, , 683-692.	1.0	3
1614	A Feature Seletion Method Based on Variable Precision Tolerance Rough Sets. Lecture Notes in Computer Science, 2014, , 500-509.	1.0	0
1615	Applying Variable Precision Rough Set for Clustering Diabetics Dataset. International Journal of Multimedia and Ubiquitous Engineering, 2014, 9, 219-230.	0.3	1
1616	Evaluation of Leave-One Out Method Based on Incremental Sampling Scheme. Lecture Notes in Computer Science, 2014, , 225-236.	1.0	0
1617	Considerations on the Principle of Rule Induction by STRIM and its Capacity for Application. Transactions of the Institute of Systems Control and Information Engineers, 2014, 27, 385-394.	0.1	2
1618	Information Retrieval Using Rough Set Approximations. , 2014, , 185-197.		2
1619	An Incremental Learning Approach for Updating Approximations in Rough Set Model Over Dual-Universes. Advances in Intelligent Systems and Computing, 2014, , 43-51.	0.5	0
1620	A Logarithmic Weighted Algorithm for Minimal Test Cost Attribute Reduction. Lecture Notes in Computer Science, 2014, , 129-138.	1.0	0
1621	A Study on Bayesian Decision Theoretic Rough Set. International Journal of Rough Sets and Data Analysis, 2014, 1, 1-14.	1.0	5
1622	PRIMEROSE: Probabilistic Rule Induction Method Based on Rough Set Theory. Workshops in Computing, 1994, , 274-281.	0.4	1
1623	A global measure of ambiguity for classification. Lecture Notes in Computer Science, 1994, , 105-113.	1.0	0
1624	Algebraic Formulation of Machine Learning Methods Based on Rough Sets, Matroid Theory, and Combinatorial Geometry. , 1997, , 385-410.		0
1625	Data Mining Using Attribute-Oriented Generalization and Information Reduction. , 1997, , 199-227.		5

#	ARTICLE	IF	CITATIONS
1626	Induction of positive and negative deterministic rules based on rough set model. Lecture Notes in Computer Science, 1997, , 298-307.	1.0	0
1628	Integrating KDD Algorithms and RDBMS Code. Lecture Notes in Computer Science, 1998, , 210-213.	1.0	1
1629	Rough Mereology and Analytical Morphology. Studies in Fuzziness and Soft Computing, 1998, , 399-437.	0.6	1
1632	Feature Selection for Data and Pattern Recognition: An Introduction. Studies in Computational Intelligence, 2015, , 1-7.	0.7	8
1633	Structure-Based Attribute Reduction: A Rough Set Approach. Studies in Computational Intelligence, 2015, , 113-160.	0.7	2
1634	A Probabilistic Approach to Information System and Rough Set Theory. Springer Proceedings in Mathematics and Statistics, 2015, , 113-123.	0.1	1
1635	New Approaches for Decision Making in Information Systems via Decision Diagrams. British Journal of Mathematics & Computer Science, 2015, 8, 418-432.	0.3	0
1636	A Rough Set Approach to Incomplete Data. Lecture Notes in Computer Science, 2015, , 3-14.	1.0	2
1637	A Review of a Text Classification Technique: K-Nearest Neighbor. , 0, , .		1
1638	Formalization of Medical Diagnostic Rules. Lecture Notes in Computer Science, 2015, , 24-35.	1.0	1
1639	Application of Fuzzy Rough Sets to Financial Time Series Forecasting. Lecture Notes in Computer Science, 2015, , 397-406.	1.0	1
1640	Matrix Approaches for Variable Precision Rough Approximations. Lecture Notes in Computer Science, 2015, , 214-221.	1.0	1
1641	Interactive Evolutionary Computation with Simulated Evaluation Function Based on Knowledge Acquired from Interaction Records. Transactions of Japan Society of Kansei Engineering, 2015, 14, 481-490.	0.1	0
1642	Multi-decision-makers-based Monotonic Variable Consistency Rough Set Approach with Multiple Attributes and Criteria. Lecture Notes in Computer Science, 2015, , 401-413.	1.0	0
1643	Three Approaches to Deal with Tests for Inconsistent Decision Tables â€" Comparative Study. Lecture Notes in Computer Science, 2015, , 38-50.	1.0	0
1644	Approximation operators by using finite family of reflexive relations. International Journal of Applied Mathematical Research, 2015, 4, 376.	0.2	0
1645	Evidence Theory in Incomplete Information Tables. International Journal of Machine Learning and Computing, 2015, 5, 242-246.	0.8	0
1646	A Novel Approach Feature Selection based on Neighborhood Positive Region (NPR). International Journal of Computer Applications, 2015, 124, 16-22.	0.2	0

#	ARTICLE	IF	CITATIONS
1647	Discovering Interesting Patterns in an e-Learning System. Lecture Notes in Educational Technology, 2016, , 423-432.	0.5	0
1649	Multiple-Source Approximation Systems, Evolving Information Systems and Corresponding Logics: A Study in Rough Set Theory. Lecture Notes in Computer Science, 2016, , 146-320.	1.0	1
1650	The â€œLogical Orâ€•Rough Set Theory of Variable Precision and Grade Based on Dominance Relation in Intuitionistic Fuzzy Information System. Operations Research and Fuzziology, 2016, 06, 66-77.	0.0	0
1651	Swarm Intelligence and Variable Precision Rough Set Model: A Hybrid Approach for Classification. SpringerBriefs in Applied Sciences and Technology, 2016, , 83-94.	0.2	0
1652	Performance Comparison to a Classification Problem by the Second Method of Quantification and STRIM. Lecture Notes in Computer Science, 2016, , 406-415.	1.0	9
1653	Eye-tracking Data, Complex Networks and Rough Sets: an Attempt Toward Combining Them. , 2016, , .		1
1654	In-Database Feature Selection Using Rough Set Theory. Communications in Computer and Information Science, 2016, , 393-407.	0.4	3
1655	Matrix-Based Rough Set Approach for Dynamic Probabilistic Set-Valued Information Systems. Lecture Notes in Computer Science, 2016, , 197-206.	1.0	0
1656	On Behavior of Statistical Indices in Incremental Context. Lecture Notes in Computer Science, 2016, , 483-492.	1.0	0
1659	A Hybrid Stock Selection Model Based on Forecasting, Classification and Feature Selection. International Journal of U- and E- Service, Science and Technology, 2016, 9, 153-168.	0.1	0
1660	Role of Robustness Measure in Rule Induction. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2016, 20, 580-589.	0.5	2
1661	A Measure of Inconsistency for Simple Decision Systems over Ontological Graphs. Lecture Notes in Computer Science, 2017, , 507-522.	1.0	0
1662	Double Quantitative Rough Set Model Based on Logical Disjunct Operation in Multi-Granulation Approximate Space. Operations Research and Fuzziology, 2017, 07, 152-162.	0.0	0
1663	A Classification Framework based on VPRS Boundary Region using Random Forest Classifier. International Journal of Computer Applications, 2017, 158, 21-26.	0.2	0
1664	A Study on CART Based on Maximum Probabilistic-Based Rough Set. Lecture Notes in Computer Science, 2017, , 412-423.	1.0	1
1665	Information Systems on Hesitant Fuzzy Sets. , 2017, , 1425-1452.		0
1666	Vagueness and Uncertainty: An F-Rough Set Perspective. Studies in Computational Intelligence, 2017, , 311-327.	0.7	0
1667	Lattice Structure of Variable Precision Rough Sets. Studies in Computational Intelligence, 2017, , 353-363.	0.7	0

#	ARTICLE	IF	CITATIONS
1668	Proposal of Dominance-Based Rough Set Approach by STRIM and Its Applied Example. Lecture Notes in Computer Science, 2017, , 418-431.	1.0	8
1669	Assignment Reduction of Relation DecisionSystems. Lecture Notes in Computer Science, 2017, , 384-391.	1.0	6
1670	A Comparison of Four Classification Systems Using Rule Sets Induced from Incomplete Data Sets by Local Probabilistic Approximations. Lecture Notes in Computer Science, 2017, , 282-291.	1.0	0
1671	Dynamic Three Way Decisions and Its Application Based on Two-Direction PS-Probabilistic Rough Set. Lecture Notes in Computer Science, 2017, , 376-389.	1.0	0
1672	Proposal of Statistical Reduct Methods for the Decision Table. Transactions of the Institute of Systems Control and Information Engineers, 2017, 30, 43-51.	0.1	2
1673	A Review on Rough Set-Based Interrelationship Mining. Studies in Computational Intelligence, 2017, , 257-273.	0.7	3
1674	R Implementation of Bayesian Decision Theoretic Rough Set Model for Attribute Reduction. Lecture Notes in Networks and Systems, 2018, , 459-466.	0.5	2
1676	Rough Set Theory. Intelligent Systems Reference Library, 2018, , 7-50.	1.0	0
1677	Studies on CART's Performance in Rule Induction and Comparisons by STRIM. Lecture Notes in Computer Science, 2018, , 148-161.	1.0	5
1678	A Comparison of Characteristic Sets and Generalized Maximal Consistent Blocks in Mining Incomplete Data. Communications in Computer and Information Science, 2018, , 480-489.	0.4	0
1679	Application of STRIM to Datasets Generated by Partial Correspondence Hypothesis. Lecture Notes in Computer Science, 2018, , 74-86.	1.0	3
1680	A Formal Study of a Generalized Rough Set Model Based on Relative Approximations. Lecture Notes in Computer Science, 2018, , 502-510.	1.0	1
1681	Boundary Region Reduction for Relation Systems. Lecture Notes in Computer Science, 2018, , 418-426.	1.0	0
1683	Considerations on Rule Induction Methods by the Conventional Rough Set Theory from a View of STRIM. Lecture Notes in Computer Science, 2018, , 202-214.	1.0	3
1684	A Review of Research Trends and Future Issues of Rough Set Theory. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2018, 30, 209-211.	0.0	0
1688	Studies on Reducing the Necessary Data Size for Rule Induction from the Decision Table by STRIM. Lecture Notes in Computer Science, 2019, , 130-143.	1.0	4
1689	Research on Knowledge Discovery in Database of Traffic Flow State Based on Attribute Reduction. Lecture Notes in Computer Science, 2019, , 275-285.	1.0	0
1690	A Variable Precision Reduction Type for Information Systems. Communications in Computer and Information Science, 2019, , 240-247.	0.4	0

#	Article	IF	Citations
1691	Granular Computing and Data Mining for Ordered Data: The Dominance-Based Rough Set Approach. , 2019, , 1-30.		0
1692	The Mode Rough Set and Its Application in Data Mining. DEStech Transactions on Computer Science and Engineering, 2019, , .	0.1	0
1693	Overview of Rough Set Theory. Intelligent Systems Reference Library, 2020, , 7-60.	1.0	0
1695	Identifying and Removing Outlier Features Using Neighborhood Rough Set. Lecture Notes in Electrical Engineering, 2020, , 485-495.	0.3	0
1696	Rough Set Based Supervised Machine Learning Approaches: Survey and Application. Lecture Notes in Intelligent Transportation and Infrastructure, 2020, , 404-424.	0.3	1
1697	Rough Sets Non-Deterministic Information Analysis and a NIS-Apriori System â€" A Rule Generation System Based on Possible World Semantics â€". Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2020, 32, 747-758.	0.0	0
1698	Fundamentals of Rough Set Based Data Analysis. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2020, 32, 128-134.	0.0	0
1699	Application of Granular Reasoning for Epistemic Situation Calculus. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2020, 32, 768-777.	0.0	0
1700	Attributes reduction algorithms for m-polar fuzzy relation decision systems. International Journal of Approximate Reasoning, 2022, 140, 232-254.	1.9	18
1701	Uncertainty Estimation Using Probabilistic Dependency: An Extended Rough Set-Based Approach. Advances in Intelligent Systems and Computing, 2020, , 549-561.	0.5	0
1702	AMG-DTRS: Adaptive multi-granulation decision-theoretic rough sets. International Journal of Approximate Reasoning, 2022, 140, 7-30.	1.9	23
1703	A formal study of a generalized rough set model based on subset approximation structure. International Journal of Approximate Reasoning, 2022, 140, 52-74.	1.9	4
1704	Concept Analysis Using Quantitative Structured Three-Way Rough Set Approximations. Lecture Notes in Computer Science, 2020, , 283-297.	1.0	0
1705	Rough Sets Meet Statistics - A New View on Rough Set Reasoning About Numerical Data. Lecture Notes in Computer Science, 2020, , 78-92.	1.0	0
1706	Hyperspectral Band Selection Based on Variants of Rough Set Theory. Lecture Notes in Electrical Engineering, 2020, , 909-917.	0.3	1
1707	Sequences of Refinements of Rough Sets: Logical and Algebraic Aspects. Lecture Notes in Computer Science, 2020, , 26-122.	1.0	0
1708	New Rule Induction Method by Use of a Co-occurrence Set from the Decision Table. Lecture Notes in Computer Science, 2020, , 54-69.	1.0	3
1709	Local Generalized Multigranulation Variable Precision Tolerance Rough Sets and its Attribute Reduction. IEEE Access, 2021, 9, 147237-147249.	2.6	2

#	Article	IF	Citations
1710	Attribute reduction based on overlap degree and k-nearest-neighbor rough sets in decision information systems. Information Sciences, 2022, 584, 301-324.	4.0	19
1711	On Some Types of Multigranulation Covering Based on Binary Relations. Journal of Function Spaces, 2021, 2021, 1-12.	0.4	1
1712	Research of interval reduction in variable precision rough set. Journal of Engineering, 2020, 2020, 561-565.	0.6	1
1713	Updating knowledge in multigranulation decisionâ€‰theoretic rough set model based on decision support degree. Journal of Engineering, 2020, 2020, 335-343.	0.6	2
1714	Feature Based Rule Learner in Noisy Environment Using Neighbourhood Rough Set Model. , 0, , 46-64.		0
1715	Further Considerations of Classification-Oriented and Approximation-Oriented Rough Sets in Generalized Settings. , 0, , 164-182.		0
1716	An Evaluation Method of Relative Reducts Based on Roughness of Partitions. , 0, , 305-314.		0
1717	VPRS-Based Group Decision-Making for Risk Response in Petroleum Investment. , 0, , 286-295.		0
1718	In Search of Effective Granulization with DTRS for Ternary Classification. , 0, , 237-248.		0
1719	Smoothing Text Representation Models Based on Rough Set. , 0, , 50-68.		0
1720	VPRS-Based Group Decision-Making for Risk Response in Petroleum Investment. , 0, , 1370-1379.		0
1721	Discovery of Positive and Negative Rules from Medical Databases Based on Rough Sets. , 2005, , 233-252.		0
1722	Mereological Foundations to Approximate Reasoning. , 2005, , 117-132.		0
1723	Degree of Dependency and Quality of Classification in the Extended Variable Precision Rough Sets Model. , 2003, , 287-290.		0
1724	Approximate Reducts of an Information System. , 2003, , 291-294.		1
1725	An Illustration of the Effect of Continuous Valued Discretisation in Data Analysis Using VPRSÎ². , 2003, , 354-357.		0
1726	The Use of Rough Sets as a Data Mining Tool for Experimental Bio-data. Studies in Computational Intelligence, 2008, , 69-91.	0.7	3
1729	Synthesis of Concepts Based on Rough Set Theory. , 2007, , 816-824.		0

#	ARTICLE	IF	CITATIONS
1730	Reduction of Categorical and Numerical Attribute Values for Understandability of Data and Rules. , 2007, , 211-218.		1
1731	A Logical Representation of Images by Means of Multi-rough Sets for Kansei Image Retrieval. , 2007, , 244-251.		1
1732	Two-Phase Î²-Certain Reducts Generation. , 2007, , 387-394.		0
1733	Indiscernibility Relation for Continuous Attributes: Application in Image Recognition. Lecture Notes in Computer Science, 2007, , 726-735.	1.0	8
1735	The Incremental Learning Methodology of VPRS Based on Complete Information System. , 2008, , 276-283.		2
1738	Approximation of Intersection of Grade and Precision. Advances in Soft Computing, 2009, , 526-530.	0.4	20
1739	An algorithm for knowledge extraction. , 2020, , .		0
1740	Bilattice Logic for Rough Sets. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2020, 24, 774-784.	0.5	2
1741	Rough Set Classifications and Performance Analysis in Medical Health Care. Advances in Intelligent Systems and Computing, 2021, , 411-422.	0.5	1
1742	Analysis on Classification Performance of Rough Set Based Reducts. , 2006, , 423-433.		1
1743	Rough set model based on variable universe. CAAI Transactions on Intelligence Technology, 2022, 7, 503-511.	3.4	3
1744	A Fuzzy Decision-Theoretic Rough Set Approach for Type-2 Fuzzy Conditional Information Systems and Its Application in Decision-Making. International Journal of Fuzzy Systems, 0, , 1.	2.3	3
1745	On Some Types of Covering-Based â„• T -Fuzzy Rough Sets and Their Applications. Journal of Mathematics, 2021, 2021, 1-18.	0.5	1
1746	Redefined fuzzy rough set models in fuzzy Î²-covering group approximation spaces. Fuzzy Sets and Systems, 2022, 442, 109-154.	1.6	11
1747	Three-way approximate reduct based on information-theoretic measure. International Journal of Approximate Reasoning, 2022, 142, 324-337.	1.9	9
1748	Incremental updating probabilistic approximations under multi-level and multi-dimensional variations in hybrid incomplete decision systems. International Journal of Approximate Reasoning, 2022, 142, 206-230.	1.9	3
1749	A New Radiation Source Identification Algorithm. , 2021, , .		0
1751	Three-Way Decision Models Based on Multi-granulation Rough Intuitionistic Hesitant Fuzzy Sets. Cognitive Computation, 2022, 14, 1859-1880.	3.6	6

#	Article	IF	Citations
1752	Attribute reduction in an incomplete categorical decision information system based on fuzzy rough sets. Artificial Intelligence Review, 2022, 55, 5313-5348.	9.7	7
1753	Multigranulation double-quantitative decision-theoretic rough sets based on logical operations. International Journal of Machine Learning and Cybernetics, 2022, 13, 1661-1684.	2.3	4
1754	Cq-ROFRS: covering q-rung orthopair fuzzy rough sets and its application to multi-attribute decision-making process. Complex & Intelligent Systems, 2022, 8, 2349-2370.	4.0	14
1755	Local Neighborhood Rough Sets and Attrib-ute Reduction in Information Systems. Pure Mathematics, 2022, 12, 264-275.	0.0	0
1756	A novel method to attribute reduction based on weighted neighborhood probabilistic rough sets. International Journal of Approximate Reasoning, 2022, 144, 1-17.	1.9	23
1757	Uncertainty optimization based approach to data engineering. AIP Conference Proceedings, 2022, , .	0.3	0
1758	Pessimistic Multigranulation Rough Set of Intuitionistic Fuzzy Sets Based on Soft Relations. Mathematics, 2022, 10, 685.	1.1	7
1759	Generalized fuzzy variable precision rough sets based on bisimulations and the corresponding decision-making. International Journal of Machine Learning and Cybernetics, 2022, 13, 2313-2344.	2.3	6
1760	A landscape and implementation framework for probabilistic rough sets using ProbLog. Information Sciences, 2022, 593, 546-576.	4.0	2
1761	Multigranulation fuzzy probabilistic rough set model on two universes. International Journal of Approximate Reasoning, 2022, 145, 18-35.	1.9	14
1762	Multi-granularity dominance rough concept attribute reduction over hybrid information systems and its application in clinical decision-making. Information Sciences, 2022, 597, 274-299.	4.0	16
1763	Inclusion degree-based multigranulation rough fuzzy set over heterogeneous preference information and application to multiple attribute group decision making. Soft Computing, 2022, 26, 7355-7375.	2.1	2
1764	Statistical Independence as Linear Dependence in a Contingency Table. , 0, , 61-73.		0
1767	Using variable precision rough set for selection and classification of biological knowledge integrated in DNA gene expression. Journal of Integrative Bioinformatics, 2012, 9, 199.	1.0	4
1768	Indiscernibility and Discernibility Relations Attribute Reduction with Variable Precision. Scientific Programming, 2022, 2022, 1-11.	0.5	3
1769	A rough set approach to recognize images of handwritten digits. , 2022, , .		0
1770	Innovations to Attribute Reduction of Covering Decision System Based on Conditional Information Entropy. Applied Mathematics and Nonlinear Sciences, 2023, 8, 2103-2116.	0.9	1
1771	Local knowledge distance for rough approximation measure in multi-granularity spaces. Information Sciences, 2022, 605, 413-432.	4.0	4

#	Article	IF	Citations
1774	Incremental maintenance of three-way regions with variations of objects and values in hybrid incomplete decision systems. Applied Intelligence, 0, , .	3.3	0
1775	Rules from Table Data Sets and Their Application to Decision Support[N]. , 2021, , .		0
1776	Energy Saving via a Minimal Structure. Mathematical Problems in Engineering, 2022, 2022, 1-6.	0.6	3
1777	A Novel Method for Decision Making by Double-Quantitative Rough Sets in Hesitant Fuzzy Systems. Mathematics, 2022, 10, 2069.	1.1	0
1778	Measurement, modeling, reduction of decision-theoretic multigranulation fuzzy rough sets based on three-way decisions. Information Sciences, 2022, 607, 1550-1582.	4.0	20
1779	Uncertainty optimization based feature subset selection model using rough set and uncertainty theory. International Journal of Information Technology (Singapore), 2022, 14, 2723-2739.	1.8	4
1780	Covering-based generalized variable precision fuzzy rough set. Journal of Intelligent and Fuzzy Systems, 2022, , 1-13.	0.8	0
1782	Predictive Maintenance Model Based on Multisensor Data Fusion of Hybrid Fuzzy Rough Set Theory Feature Selection and Stacked Ensemble for Fault Classification. Mathematical Problems in Engineering, 2022, 2022, 1-24.	0.6	0
1783	On threshold based approximations of mf-rough sets. Applied Intelligence, 0, , .	3.3	0
1784	Boundary region-based variable precision covering rough set models. Information Sciences, 2022, 608, 1524-1540.	4.0	9
1785	Multi-Label Attribute Reduction Based on Neighborhood Multi-Target Rough Sets. Symmetry, 2022, 14, 1652.	1.1	0
1786	Multi-Target Rough Sets and Their Approximation Computation with Dynamic Target Sets. Information (Switzerland), 2022, 13, 385.	1.7	0
1787	Variable precision multi-granulation covering rough intuitionistic fuzzy sets. Granular Computing, 2023, 8, 577-596.	4.4	3
1788	Parallel incremental efficient attribute reduction algorithm based on attribute tree. Information Sciences, 2022, 610, 1102-1121.	4.0	11
1789	Variable radius neighborhood rough sets and attribute reduction. International Journal of Approximate Reasoning, 2022, 150, 98-121.	1.9	10
1790	Neighborhood relation-based variable precision multigranulation Pythagorean fuzzy rough set approach for multi-attribute group decision making. International Journal of Approximate Reasoning, 2022, 151, 1-20.	1.9	8
1791	Cost-Restricted Feature Selection for Data Acquisition. Management Science, 0, , .	2.4	1
1792	Topological reduction algorithm for relation systems. Soft Computing, 2022, 26, 11961-11971.	2.1	1

#	ARTICLE	IF	CITATIONS
1793	Parallel Computation of Probabilistic Rough Set Approximations. Algorithms for Intelligent Systems, 2023, , 431-445.	0.5	0
1794	Variable Precision ApproximationsÂof Rough Sets. , 2021, , 1-12.		0
1795	A variable precision multigranulation rough set model and attribute reduction. Soft Computing, 2023, 27, 85-106.	2.1	6
1796	An incremental approach to feature selection using the weighted dominance-based neighborhood rough sets. International Journal of Machine Learning and Cybernetics, 2023, 14, 1217-1233.	2.3	6
1797	Variable precision multi-granulation composite rough sets with multi-decision and their applications to medical diagnosis. Information Sciences, 2022, 615, 293-322.	4.0	14
1798	An improved decision tree algorithm based on variable precision neighborhood similarity. Information Sciences, 2022, 615, 152-166.	4.0	16
1799	An Efficient and Accurate Rough Set for Feature Selection, Classification, and Knowledge Representation. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 7724-7735.	4.0	4
1800	New constructions of decision evaluation functions in three-way decision spaces based on uninorms. Artificial Intelligence Review, 2023, 56, 5881-5927.	9.7	3
1801	Vaguely quantified fuzzy dominance rough set and its incremental maintenance approximation approaches. Soft Computing, 0, , .	2.1	0
1802	Soft ordered double quantitative approximations based three-way decisions and their applications. Scientific Reports, 2022, 12, .	1.6	0
1803	Accelerating Update of Variable Precision Multigranulation Approximations While Adding Granular Structures. Information (Switzerland), 2022, 13, 541.	1.7	0
1804	State Definition for Conflict Analysis with Four-valued Logic. , 2022, , .		1
1805	Modeling relationships in three-way conflict analysis with subsethood measures. Knowledge-Based Systems, 2023, 260, 110131.	4.0	7
1806	GRRS: Accurate and Efficient Neighborhood Rough Set for Feature Selection. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 9281-9294.	4.0	3
1807	Attribute reduction in inconsistent grey decision systems based on variable precision grey multigranulation rough set model. Applied Soft Computing Journal, 2023, 133, 109928.	4.1	6
1808	Reductions of a covering approximation space from algebraic points of view. International Journal of Approximate Reasoning, 2023, 153, 104-114.	1.9	0
1809	Three-Way Decisions on Streaming Computing Platforms Supporting Decision-Making in Complex Large Real-World Environments. IEEE Access, 2022, 10, 122314-122328.	2.6	1
1810	Uncertainty Optimization Based Feature Selection Model for Stock Marketing. Computational Economics, 2024, 63, 357-389.	1.5	1

#	Article	IF	Citations
1811	Generalized fuzzy rough sets based on (Î², Î)-fuzzy similarity relation and their application to emergency management. Journal of Ambient Intelligence and Humanized Computing, 0, , .	3.3	0
1812	Group decisionâ€making analysis based on distance measures under rough environment. Expert Systems, 2023, 40, .	2.9	4
1813	A novel approach based on rough set theory for analyzing information disorder. Applied Intelligence, 2023, 53, 15993-16014.	3.3	4
1814	Three-way approximation of decision granules based on the rough set approach. International Journal of Approximate Reasoning, 2023, 155, 1-16.	1.9	7
1815	Covering soft rough sets and its topological properties with application. Soft Computing, 2023, 27, 4451-4461.	2.1	4
1816	A novel granular variable precision fuzzy rough set model and its application in fuzzy decision system. Soft Computing, 2023, 27, 8897-8918.	2.1	6
1817	Matrix-based multi-granulation fusion approach for dynamic updating of knowledge in multi-source information. Knowledge-Based Systems, 2023, 262, 110257.	4.0	2
1818	Optimal scale generation in two-class dominance decision tables with sequential three-way decision. Information Sciences, 2023, 624, 590-605.	4.0	2
1819	Apriori-based Rule Generation with Three-way Decisions for Heterogeneous and Uncertain Data. , 2022, , .		1
1820	Novel variable precision fuzzy rough sets and three-way decision model with three strategies. Information Sciences, 2023, 629, 222-248.	4.0	15
1821	Granular Model for Data Mining. , 2009, , 251-264.		0
1822	Topological reduction approaches for relation decision systems. International Journal of Approximate Reasoning, 2023, 157, 33-48.	1.9	1
1823	A novel variable precision rough set attribute reduction algorithm based on local attribute significance. International Journal of Approximate Reasoning, 2023, 157, 88-104.	1.9	5
1824	Granularity andÂRational Approximation: Rethinking Graded Rough Sets. Lecture Notes in Computer Science, 2022, , 33-59.	1.0	1
1825	Novel classes of fuzzy Î²-covering-based rough set over two distinct universes. Fuzzy Sets and Systems, 2023, 461, 108350.	1.6	8
1826	Three-way decisions with fuzzy probabilistic covering-based rough sets and their applications in credit evaluation. Applied Soft Computing Journal, 2023, 136, 110144.	4.1	6
1827	(O,ÂG)-granular variable precision fuzzy rough sets based on overlap and grouping functions. Computational and Applied Mathematics, 2023, 42, .	1.0	6
1828	Incremental feature selection with fuzzy rough sets for dynamic data sets. Fuzzy Sets and Systems, 2023, 467, 108503.	1.6	3

#	Article	IF	Citations
1829	Uncertainty Optimization Based Rough Set and its Applications. International Journal of Applied and Computational Mathematics, 2023, 9, .	0.9	0
1830	Granular Computing and Data Mining for Ordered Data: The Dominance-Based Rough Set Approach. , 2023, , 117-145.		0
1831	Rough Set Data Analysis. , 2009, , 375-388.		0
1832	Rough Sets: Foundations and Perspectives. , 2009, , 877-889.		0
1833	Variable Precision ApproximationsÂof Rough Sets. , 2023, , 517-528.		0
1844	Tableaux Calculi for Many-Valued Logics. Intelligent Systems Reference Library, 2023, , 87-110.	1.0	0
1845	Deduction Systems Based on Rough Sets. Intelligent Systems Reference Library, 2023, , 57-85.	1.0	0
1846	Granular Reasoning for the Epistemic Situation Calculus. Intelligent Systems Reference Library, 2023, , 111-138.	1.0	0
1849	Equilibrium andÂEfficiency inÂConflict Analysis Incorporating Permissibility. Lecture Notes in Business Information Processing, 2023, , 113-129.	0.8	0
1855	A Deep Analysis of Gilled Mushroom Edibility Prediction Using Dimensionality Reduction Techniques. Algorithms for Intelligent Systems, 2023, , 67-92.	0.5	0
1857	Rough Set Model and Approximations in Fuzzy Formal Contexts. , 2022, , .		0
1876	Hybrid Multi-polar Fuzzy Models. Studies in Fuzziness and Soft Computing, 2023, , 1-82.	0.6	0
1877	Pawlak, Belnap andÂtheÂMagical Number Seven. Lecture Notes in Computer Science, 2023, , 216-228.	1.0	0