

Yiyu Yao

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

282
papers

13,796
citations

56
h-index

112
g-index

305
ext. papers

16,251
ext. citations

3.3
avg, IF

7.93
L-index

#	Paper	IF	Citations
282	Three-way decisions with probabilistic rough sets. <i>Information Sciences</i> , 2010 , 180, 341-353	7.7	761
281	Relational interpretations of neighborhood operators and rough set approximation operators. <i>Information Sciences</i> , 1998 , 111, 239-259	7.7	637
280	Constructive and algebraic methods of the theory of rough sets. <i>Information Sciences</i> , 1998 , 109, 21-47	7.7	553
279	A decision theoretic framework for approximating concepts. <i>International Journal of Man-Machine Studies</i> , 1992 , 37, 793-809		484
278	MGRS: A multi-granulation rough set. <i>Information Sciences</i> , 2010 , 180, 949-970	7.7	457
277	The superiority of three-way decisions in probabilistic rough set models. <i>Information Sciences</i> , 2011 , 181, 1080-1096	7.7	438
276	Probabilistic rough set approximations. <i>International Journal of Approximate Reasoning</i> , 2008 , 49, 255-273	3.6	434
275	Two views of the theory of rough sets in finite universes. <i>International Journal of Approximate Reasoning</i> , 1996 , 15, 291-317	3.6	418
274	Information granulation and rough set approximation. <i>International Journal of Intelligent Systems</i> , 2001 , 16, 87-104	8.4	408
273	Attribute reduction in decision-theoretic rough set models. <i>Information Sciences</i> , 2008 , 178, 3356-3373	7.7	386
272	Covering based rough set approximations. <i>Information Sciences</i> , 2012 , 200, 91-107	7.7	325
271	Probabilistic approaches to rough sets. <i>Expert Systems</i> , 2003 , 20, 287-297	2.1	267
270	Three-way decision and granular computing. <i>International Journal of Approximate Reasoning</i> , 2018 , 103, 107-123	3.6	252
269	Three-Way Decisions and Cognitive Computing. <i>Cognitive Computation</i> , 2016 , 8, 543-554	4.4	248
268	A comparative study of fuzzy sets and rough sets. <i>Information Sciences</i> , 1998 , 109, 227-242	7.7	225
267	An Outline of a Theory of Three-Way Decisions. <i>Lecture Notes in Computer Science</i> , 2012 , 1-17	0.9	183
266	A triarchic theory of granular computing. <i>Granular Computing</i> , 2016 , 1, 145-157	5.4	176

265	A Partition Model of Granular Computing. <i>Lecture Notes in Computer Science</i> , 2004 , 232-253	0.9	168
264	Three-way Investment Decisions with Decision-theoretic Rough Sets. <i>International Journal of Computational Intelligence Systems</i> , 2011 , 4, 66-74	3.4	162
263	Discernibility matrix simplification for constructing attribute reducts. <i>Information Sciences</i> , 2009 , 179, 867-882	7.7	160
262	Decision-theoretic three-way approximations of fuzzy sets. <i>Information Sciences</i> , 2014 , 279, 702-715	7.7	159
261	Decision-Theoretic Rough Set Models 2007 , 1-12		150
260	Three-Way Decision: An Interpretation of Rules in Rough Set Theory. <i>Lecture Notes in Computer Science</i> , 2009 , 642-649	0.9	149
259	Cost-sensitive three-way email spam filtering. <i>Journal of Intelligent Information Systems</i> , 2014 , 42, 19-45	2.1	139
258	A Comparative Study of Formal Concept Analysis and Rough Set Theory in Data Analysis. <i>Lecture Notes in Computer Science</i> , 2004 , 59-68	0.9	138
257	Peculiarity oriented multidatabase mining. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2003 , 15, 952-960	4.2	131
256	Relative reducts in consistent and inconsistent decision tables of the Pawlak rough set model. <i>Information Sciences</i> , 2009 , 179, 4140-4150	7.7	130
255	Three-way granular computing, rough sets, and formal concept analysis. <i>International Journal of Approximate Reasoning</i> , 2020 , 116, 106-125	3.6	126
254	Rough set models in multigranulation spaces. <i>Information Sciences</i> , 2016 , 327, 40-56	7.7	116
253	Generalized attribute reduct in rough set theory. <i>Knowledge-Based Systems</i> , 2016 , 91, 204-218	7.3	114
252	On modeling information retrieval with probabilistic inference. <i>ACM Transactions on Information Systems</i> , 1995 , 13, 38-68	4.8	109
251	Interval sets and three-way concept analysis in incomplete contexts. <i>International Journal of Machine Learning and Cybernetics</i> , 2017 , 8, 3-20	3.8	106
250	Measuring retrieval effectiveness based on user preference of documents. <i>Journal of the Association for Information Science and Technology</i> , 1995 , 46, 133-145		103
249	Research challenges and perspectives on Wisdom Web of Things (W2T). <i>Journal of Supercomputing</i> , 2013 , 64, 862-882	2.5	101
248	Interpreting concept learning in cognitive informatics and granular computing. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2009 , 39, 855-66		100

247	Interpretations of belief functions in the theory of rough sets. <i>Information Sciences</i> , 1998 , 104, 81-106	7.7	99
246	The two sides of the theory of rough sets. <i>Knowledge-Based Systems</i> , 2015 , 80, 67-77	7.3	92
245	In search of the wisdom web. <i>Computer</i> , 2002 , 35, 27-31	1.6	85
244	Constructing shadowed sets and three-way approximations of fuzzy sets. <i>Information Sciences</i> , 2017 , 412-413, 132-153	7.7	82
243	Tri-level thinking: models of three-way decision. <i>International Journal of Machine Learning and Cybernetics</i> , 2020 , 11, 947-959	3.8	81
242	A unified model of sequential three-way decisions and multilevel incremental processing. <i>Knowledge-Based Systems</i> , 2017 , 134, 172-188	7.3	80
241	Data analysis based on discernibility and indiscernibility. <i>Information Sciences</i> , 2007 , 177, 4959-4976	7.7	79
240	CE3: A three-way clustering method based on mathematical morphology. <i>Knowledge-Based Systems</i> , 2018 , 155, 54-65	7.3	76
239	Local rough set: A solution to rough data analysis in big data. <i>International Journal of Approximate Reasoning</i> , 2018 , 97, 38-63	3.6	74
238	A measurement theory view on the granularity of partitions. <i>Information Sciences</i> , 2012 , 213, 1-13	7.7	74
237	A multiview approach for intelligent data analysis based on data operators. <i>Information Sciences</i> , 2008 , 178, 1-20	7.7	72
236	Three-way multi-attribute decision-making based on outranking relations. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	70
235	A Doctrine of Cognitive Informatics (CI). <i>Fundamenta Informaticae</i> , 2009 , 90, 203-228	1	70
234	Two Semantic Issues in a Probabilistic Rough Set Model. <i>Fundamenta Informaticae</i> , 2011 , 108, 249-265	1	67
233	Three-way conflict analysis: Reformulations and extensions of the Pawlak model. <i>Knowledge-Based Systems</i> , 2019 , 180, 26-37	7.3	66
232	Neighborhood systems and approximate retrieval. <i>Information Sciences</i> , 2006 , 176, 3431-3452	7.7	66
231	Quantitative rough sets based on subethood measures. <i>Information Sciences</i> , 2014 , 267, 306-322	7.7	64
230	Class-specific attribute reducts in rough set theory. <i>Information Sciences</i> , 2017 , 418-419, 601-618	7.7	62

229	A Three-Way Decision Approach to Email Spam Filtering. <i>Lecture Notes in Computer Science</i> , 2010 , 28-39	0.9	59
228	A NON-NUMERIC APPROACH TO UNCERTAIN REASONING. <i>International Journal of General Systems</i> , 1995 , 23, 343-359	2.1	56
227	Granular Computing and Sequential Three-Way Decisions. <i>Lecture Notes in Computer Science</i> , 2013 , 16-27	0.9	56
226	Detecting and refining overlapping regions in complex networks with three-way decisions. <i>Information Sciences</i> , 2016 , 373, 21-41	7.7	55
225	On modeling data mining with granular computing		54
224	On the System Algebra Foundations for Granular Computing. <i>International Journal of Software Science and Computational Intelligence</i> , 2009 , 1, 64-86	1.4	54
223	Three-Way Formal Concept Analysis. <i>Lecture Notes in Computer Science</i> , 2014 , 732-741	0.9	53
222	Envisioning intelligent information technologies through the prism of web intelligence. <i>Communications of the ACM</i> , 2007 , 50, 89-94	2.5	52
221	TOPSIS method based on a fuzzy covering approximation space: An application to biological nano-materials selection. <i>Information Sciences</i> , 2019 , 502, 297-329	7.7	51
220	Perspectives on Cognitive Informatics and Cognitive Computing. <i>International Journal of Cognitive Informatics and Natural Intelligence</i> , 2010 , 4, 1-29	0.9	51
219	Three-way decision perspectives on class-specific attribute reducts. <i>Information Sciences</i> , 2018 , 450, 227-245	2.45	50
218	ON MODELING UNCERTAINTY WITH INTERVAL STRUCTURES. <i>Computational Intelligence</i> , 1995 , 11, 406-426	2.6	50
217	The Art of Granular Computing. <i>Lecture Notes in Computer Science</i> , 2007 , 101-112	0.9	50
216	Naive Bayesian Rough Sets. <i>Lecture Notes in Computer Science</i> , 2010 , 719-726	0.9	50
215	Ensemble selector for attribute reduction. <i>Applied Soft Computing Journal</i> , 2018 , 70, 1-11	7.5	50
214	Enhancing Binary Classification by Modeling Uncertain Boundary in Three-Way Decisions. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2017 , 29, 1438-1451	4.2	49
213	Structured approximations as a basis for three-way decisions in rough set theory. <i>Knowledge-Based Systems</i> , 2019 , 165, 92-109	7.3	49
212	Advances in three-way decisions and granular computing. <i>Knowledge-Based Systems</i> , 2016 , 91, 1-3	7.3	48

211	Intuitionistic fuzzy TOPSIS method based on CVPIFRS models: An application to biomedical problems. <i>Information Sciences</i> , 2020 , 517, 315-339	7.7	48
210	Covering-based variable precision fuzzy rough sets with PROMETHEE-EDAS methods. <i>Information Sciences</i> , 2020 , 538, 314-336	7.7	46
209	Two Bayesian approaches to rough sets. <i>European Journal of Operational Research</i> , 2016 , 251, 904-917	5.6	45
208	A Multifaceted Analysis of Probabilistic Three-way Decisions. <i>Fundamenta Informaticae</i> , 2014 , 132, 291-313	5.9	42
207	The geometry of three-way decision. <i>Applied Intelligence</i> , 2021 , 51, 6298-6325	4.9	42
206	Rough Set Approximations in Formal Concept Analysis. <i>Lecture Notes in Computer Science</i> , 2006 , 285-305	5.9	41
205	A Unified Framework of Granular Computing	4.0	40
204	. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 1991 , 21, 726-734	4.0	40
203	The Wisdom Web: New Challenges for Web Intelligence (WI). <i>Journal of Intelligent Information Systems</i> , 2003 , 20, 5-9	2.1	38
202	Rough-set concept analysis: Interpreting RS-definable concepts based on ideas from formal concept analysis. <i>Information Sciences</i> , 2016 , 346-347, 442-462	7.7	37
201	On Reduct Construction Algorithms. <i>Lecture Notes in Computer Science</i> , 2006 , 297-304	0.9	36
200	Sequential three-way decisions with probabilistic rough sets 2011 ,		35
199	Dynamic probabilistic rough sets with incomplete data. <i>Information Sciences</i> , 2017 , 417, 39-54	7.7	34
198	Rough Sets and Three-Way Decisions. <i>Lecture Notes in Computer Science</i> , 2015 , 62-73	0.9	32
197	An Information-Theoretic Interpretation of Thresholds in Probabilistic Rough Sets. <i>Lecture Notes in Computer Science</i> , 2012 , 369-378	0.9	32
196	Covering based multigranulation fuzzy rough sets and corresponding applications. <i>Artificial Intelligence Review</i> , 2020 , 53, 1093-1126	9.7	32
195	Set-theoretic models of three-way decision. <i>Granular Computing</i> , 2021 , 6, 133-148	5.4	32
194	Semantics of soft sets and three-way decision with soft sets. <i>Knowledge-Based Systems</i> , 2020 , 194, 105538	5.8	31

193	A General Definition of an Attribute Reduct 2007 , 101-108		31
192	Evaluating information retrieval system performance based on user preference. <i>Journal of Intelligent Information Systems</i> , 2010 , 34, 227-248	2.1	30
191	Actionable strategies in three-way decisions. <i>Knowledge-Based Systems</i> , 2017 , 133, 141-155	7.3	29
190	WaaS: Wisdom as a Service. <i>IEEE Intelligent Systems</i> , 2014 , 29, 40-47	4.2	28
189	On modeling similarity and three-way decision under incomplete information in rough set theory. <i>Knowledge-Based Systems</i> , 2020 , 191, 105251	7.3	28
188	A semantically sound approach to Pawlak rough sets and covering-based rough sets. <i>International Journal of Approximate Reasoning</i> , 2016 , 78, 62-72	3.6	28
187	Granularity-driven sequential three-way decisions: A cost-sensitive approach to classification. <i>Information Sciences</i> , 2020 , 507, 644-664	7.7	28
186	Interval sets and interval-set algebras 2009 ,		27
185	A probability distribution model for information retrieval. <i>Information Processing and Management</i> , 1989 , 25, 39-53	6.3	26
184	Set-theoretic Approaches to Granular Computing. <i>Fundamenta Informaticae</i> , 2012 , 115, 247-264	1	25
183	Granular Computing Based on Rough Sets, Quotient Space Theory, and Belief Functions. <i>Lecture Notes in Computer Science</i> , 2003 , 152-159	0.9	25
182	A Note on Definability and Approximations 2007 , 274-282		25
181	Effectiveness measures in movement-based three-way decisions. <i>Knowledge-Based Systems</i> , 2018 , 160, 136-143	7.3	25
180	Granular computing: Past, present and future 2008 ,		24
179	. <i>IEEE Intelligent Systems</i> , 2005 , 20, 52-57	4.2	24
178	A probabilistic inference model for information retrieval. <i>Information Systems</i> , 1991 , 16, 301-321	2.7	24
177	An information-theoretic measure of term specificity. <i>Journal of the Association for Information Science and Technology</i> , 1992 , 43, 54-61		24
176	Query formulation in linear retrieval models. <i>Journal of the Association for Information Science and Technology</i> , 1990 , 41, 334-341		24

175	Human-Inspired Granular Computing 2010 , 1-15		24
174	On Reduct Construction Algorithms. <i>Lecture Notes in Computer Science</i> , 2008 , 100-117	0.9	24
173	Cost-sensitive three-way recommendations by learning pair-wise preferences. <i>International Journal of Approximate Reasoning</i> , 2017 , 86, 28-40	3.6	23
172	User-centric query refinement and processing using granularity-based strategies. <i>Knowledge and Information Systems</i> , 2011 , 27, 419-450	2.4	23
171	Granular computing for data mining 2006 ,		23
170	Web Intelligence Meets Brain Informatics. <i>Lecture Notes in Computer Science</i> , 2007 , 1-31	0.9	23
169	A Note on Attribute Reduction in the Decision-Theoretic Rough Set Model. <i>Lecture Notes in Computer Science</i> , 2011 , 260-275	0.9	23
168	A three-way decision based construction of shadowed sets from Atanassov intuitionistic fuzzy sets. <i>Information Sciences</i> , 2021 , 577, 1-21	7.7	23
167	Shadowed Neighborhoods Based on Fuzzy Rough Transformation for Three-Way Classification. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 28, 978-991	8.3	22
166	Rough implication operator based on strong topological rough algebras. <i>Information Sciences</i> , 2010 , 180, 3764-3780	7.7	22
165	Local peculiarity factor and its application in outlier detection 2008 ,		21
164	Three-way conflict analysis: A unification of models based on rough sets and formal concept analysis. <i>Knowledge-Based Systems</i> , 2020 , 194, 105556	7.3	20
163	USING MARKET VALUE FUNCTIONS FOR TARGETED MARKETING DATA MINING. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2002 , 16, 1117-1131	1.1	20
162	A measure-theoretic axiomatization of fuzzy sets. <i>Fuzzy Sets and Systems</i> , 1993 , 60, 295-307	3.7	20
161	Granular Computing: Past, Present, and Future 2008 , 27-28		20
160	Duality in Rough Set Theory Based on the Square of Opposition. <i>Fundamenta Informaticae</i> , 2013 , 127, 49-64	1	19
159	Interval Set Cluster Analysis: A Re-formulation. <i>Lecture Notes in Computer Science</i> , 2009 , 398-405	0.9	19
158	An analysis of three types of partially-known formal concepts. <i>International Journal of Machine Learning and Cybernetics</i> , 2018 , 9, 1767-1783	3.8	19

157	Probabilistic rule induction with the LERS data mining system. <i>International Journal of Intelligent Systems</i> , 2011 , 26, 518-539	8.4	18
156	Rough Approximations under Level Fuzzy Sets. <i>Lecture Notes in Computer Science</i> , 2004 , 78-83	0.9	17
155	Bayesian Decision Theory for Dominance-Based Rough Set Approach 2007 , 134-141		17
154	Data mining using extensions of the rough set model. <i>Journal of the Association for Information Science and Technology</i> , 1998 , 49, 415-422		17
153	A three learning states Bayesian knowledge tracing model. <i>Knowledge-Based Systems</i> , 2018 , 148, 189-207.3	7.3	16
152	Concept formation and learning: a cognitive informatics perspective 2004 ,		16
151	Semantics of Fuzzy Sets in Rough Set Theory. <i>Lecture Notes in Computer Science</i> , 2004 , 297-318	0.9	16
150	Brain activation detection by neighborhood one-class SVM. <i>Cognitive Systems Research</i> , 2010 , 11, 16-24	4.8	15
149	Relational peculiarity-oriented mining. <i>Data Mining and Knowledge Discovery</i> , 2007 , 15, 249-273	5.6	15
148	User-Oriented Feature Selection for Machine Learning. <i>Computer Journal</i> , 2007 , 50, 421-434	1.3	15
147	Integrative Levels of Granularity. <i>Studies in Computational Intelligence</i> , 2009 , 31-47	0.8	15
146	Information granulation for web-based information support systems 2003 ,		14
145	Stratified rough sets and granular computing		14
144	Interpreting Low and High Order Rules: A Granular Computing Approach. <i>Lecture Notes in Computer Science</i> , 2007 , 371-380	0.9	14
143	Three-way fuzzy partitions defined by shadowed sets. <i>Information Sciences</i> , 2019 , 497, 23-37	7.7	13
142	Probabilistic Rough Sets 2015 , 387-411		13
141	Mean-value-based decision-theoretic shadowed sets 2013 ,		13
140	Subsystem Based Generalizations of Rough Set Approximations. <i>Lecture Notes in Computer Science</i> , 2005 , 210-218	0.9	13

139	A Granular Computing Paradigm for Concept Learning. <i>Smart Innovation, Systems and Technologies</i> , 2013 , 307-326	0.5	13
138	New measures of alliance and conflict for three-way conflict analysis. <i>International Journal of Approximate Reasoning</i> , 2021 , 132, 49-69	3.6	13
137	A hypergraph model of granular computing 2008 ,		12
136	Knowledge Retrieval (KR) 2007 ,		12
135	Supporting Sustainable Communities with Web-based Information Systems. <i>Journal of Environmental Informatics</i> , 2006 , 7, 84-94	3	12
134	Min-max attribute-object bireducts: On unifying models of reducts in rough set theory. <i>Information Sciences</i> , 2019 , 501, 68-83	7.7	11
133	Rough Set Approximations in Multi-granulation Fuzzy Approximation Spaces. <i>Fundamenta Informaticae</i> , 2015 , 142, 145-160	1	11
132	Three-Way Decisions Using Rough Sets. <i>Advanced Information and Knowledge Processing</i> , 2012 , 79-93	0.3	11
131	Artificial Intelligence Perspectives on Granular Computing. <i>Intelligent Systems Reference Library</i> , 2011 , 17-34	0.8	11
130	DBLP-SSE: A DBLP Search Support Engine 2009 ,		11
129	An Operable Email Based Intelligent Personal Assistant. <i>World Wide Web</i> , 2009 , 12, 125-147	2.9	11
128	LEVEL-WISE CONSTRUCTION OF DECISION TREES FOR CLASSIFICATION. <i>International Journal of Software Engineering and Knowledge Engineering</i> , 2006 , 16, 103-126	1	11
127	Conceptual Query Expansion. <i>Lecture Notes in Computer Science</i> , 2005 , 190-196	0.9	11
126	Tri-level attribute reduction in rough set theory. <i>Expert Systems With Applications</i> , 2022 , 190, 116187	7.8	11
125	The Concept of Reducts in Pawlak Three-Step Rough Set Analysis. <i>Lecture Notes in Computer Science</i> , 2013 , 53-72	0.9	11
124	Multiview intelligent data analysis based on granular computing		10
123	Visualization support for interactive query refinement		10
122	Evaluation of an adaptive linear model. <i>Journal of the Association for Information Science and Technology</i> , 1991 , 42, 723-730		10

121	A generalized binary probabilistic independence model. <i>Journal of the Association for Information Science and Technology</i> , 1990 , 41, 324-329		10
120	A step toward the foundations of data mining 2003 ,		9
119	A Measurement-Theoretic Foundation of Rule Interestingness Evaluation 41-59		9
118	Rough Set Approximations in Formal Concept Analysis and Knowledge Spaces 2008 , 319-328		9
117	Data Mining for Targeted Marketing 2004 , 109-131		9
116	On the properties of subsethood measures. <i>Information Sciences</i> , 2019 , 494, 208-232	7.7	8
115	Methods and Practices of Three-Way Decisions for Complex Problem Solving. <i>Lecture Notes in Computer Science</i> , 2015 , 255-265	0.9	8
114	Web Intelligence (WI) 2008 , 1		8
113	A Logic Language of Granular Computing 2007 ,		8
112	Granular Computing 2007 ,		8
111	COMPARATIVE BELIEFS AND THEIR MEASUREMENTS. <i>International Journal of General Systems</i> , 1993 , 22, 69-89	2.1	8
110	Explanation-Oriented Data Mining 2005 , 492-497		8
109	The Neural Mechanism of Human Numerical Inductive Reasoning Process: A Combined ERP and fMRI Study 2006 , 223-243		8
108	A Model of User-Oriented Reduct Construction for Machine Learning. <i>Transactions on Rough Sets</i> , 2008 , 332-351		8
107	Attribution reduction based on sequential three-way search of granularity. <i>International Journal of Machine Learning and Cybernetics</i> , 2021 , 12, 1439-1458	3.8	8
106	A Model of Machine Learning Based on User Preference of Attributes. <i>Lecture Notes in Computer Science</i> , 2006 , 587-596	0.9	8
105	Statistical Interpretations of Three-Way Decisions. <i>Lecture Notes in Computer Science</i> , 2015 , 309-320	0.9	7
104	Time Dissociative Characteristics of Numerical Inductive Reasoning: Behavioral and ERP Evidence. <i>Neural Networks (IJCNN), International Joint Conference on</i> , 2007 ,		7

103	Structured Writing with Granular Computing Strategies 2007 ,		7
102	Information tables with neighborhood semantics 2000 , 4057, 108		7
101	Pawlak's Many Valued Information System, Non-deterministic Information System, and a Proposal of New Topics on Information Incompleteness Toward the Actual Application. <i>Studies in Computational Intelligence</i> , 2017 , 187-204	0.8	7
100	Web Intelligence (WI): A New Paradigm for Developing the Wisdom Web and Social Network Intelligence 2003 , 1-16		7
99	Measurement of general granules. <i>Information Sciences</i> , 2017 , 415-416, 128-141	7.7	6
98	Peculiarity Analysis for Classifications 2009 ,		6
97	Two-Phase Rule Induction from Incomplete Data 2008 , 47-54		6
96	User-centered Interactive Data Mining 2006 ,		6
95	Web intelligence: new frontiers of exploration		6
94	An Empirical Comparison of Rule Sets Induced by LERS and Probabilistic Rough Classification. <i>Intelligent Systems Reference Library</i> , 2013 , 261-276	0.8	6
93	Determining Thresholds in Three-Way Decisions with Chi-Square Statistic. <i>Lecture Notes in Computer Science</i> , 2016 , 272-281	0.9	6
92	Symbols-Meaning-Value (SMV) space as a basis for a conceptual model of data science. <i>International Journal of Approximate Reasoning</i> , 2022 , 144, 113-128	3.6	6
91	A UNIFIED FRAMEWORK OF TARGETED MARKETING USING CUSTOMER PREFERENCES. <i>Computational Intelligence</i> , 2014 , 30, 451-472	2.5	5
90	A Two-Phase Model for Learning Rules from Incomplete Data. <i>Fundamenta Informaticae</i> , 2009 , 94, 219-232		5
89	User-Centered Interactive Data Mining. <i>International Journal of Cognitive Informatics and Natural Intelligence</i> , 2008 , 2, 58-72	0.9	5
88	Classification Based on Logical Concept Analysis. <i>Lecture Notes in Computer Science</i> , 2006 , 419-430	0.9	5
87	Brain Activation Detection by Neighborhood One-Class SVM 2007 ,		5
86	Conflict Analysis Based on Discernibility and Indiscernibility 2007 ,		5

85	Perspectives on Cognitive Computing and Applications. <i>International Journal of Software Science and Computational Intelligence</i> , 2010 , 2, 32-44	1.4	5
84	Research Challenges and Perspectives on Wisdom Web of Things (W2T) 2016 , 3-26		5
83	An Empirical Comparison of Rule Sets Induced by LERS and Probabilistic Rough Classification. <i>Lecture Notes in Computer Science</i> , 2010 , 590-599	0.9	5
82	Top-Down Progressive Computing. <i>Lecture Notes in Computer Science</i> , 2011 , 734-742	0.9	5
81	A Definition of Structured Rough Set Approximations. <i>Lecture Notes in Computer Science</i> , 2014 , 111-122	0.9	4
80	Interactive classification using a granule network 2005 ,		4
79	Mining market value functions for targeted marketing		4
78	REPRESENTATION, PROPAGATION AND COMBINATION OF UNCERTAIN INFORMATION. <i>International Journal of General Systems</i> , 1994 , 23, 59-83	2.1	4
77	A probabilistic method for computing term-by-term relationships. <i>Journal of the Association for Information Science and Technology</i> , 1993 , 44, 431-439		4
76	A Conceptual Framework of Data Mining. <i>Studies in Computational Intelligence</i> , 2008 , 501-515	0.8	4
75	An Addition Strategy for Reduct Construction. <i>Lecture Notes in Computer Science</i> , 2014 , 535-546	0.9	4
74	Modes of Sequential Three-Way Classifications. <i>Communications in Computer and Information Science</i> , 2018 , 724-735	0.3	4
73	A Comparison of the LERS Classification System and Rule Management in PRSM. <i>Lecture Notes in Computer Science</i> , 2008 , 202-210	0.9	4
72	Granular State Space Search. <i>Lecture Notes in Computer Science</i> , 2011 , 285-290	0.9	4
71	Set-Theoretic Models of Granular Structures. <i>Lecture Notes in Computer Science</i> , 2010 , 94-101	0.9	4
70	A model of three-way approximation of intuitionistic fuzzy sets. <i>International Journal of Machine Learning and Cybernetics</i> , ¹	3.8	4
69	An interview with Professor Raj Reddy on Web Intelligence (WI) and Computational Social Science (CSS). <i>Web Intelligence</i> , 2018 , 16, 143-146	0.7	4
68	Rule + Exception Strategies for Knowledge Management and Discovery. <i>Lecture Notes in Computer Science</i> , 2005 , 69-78	0.9	4

67	An Application of Bayesian Confirmation Theory for Three-Way Decision. <i>Lecture Notes in Computer Science</i> , 2019 , 3-15	0.9	3
66	Modeling Tag-Aware Recommendations Based on User Preferences. <i>International Journal of Information Technology and Decision Making</i> , 2015 , 14, 947-970	2.8	3
65	Comparison of Two Models of Probabilistic Rough Sets. <i>Lecture Notes in Computer Science</i> , 2013 , 121-132.	0.9	3
64	Record-level peculiarity-based data analysis and classifications. <i>Knowledge and Information Systems</i> , 2011 , 28, 149-173	2.4	3
63	A comparison of positive, boundary, and possible rules using the MLEM2 rule induction algorithm 2010 ,		3
62	Introduction to brain informatics. <i>Cognitive Systems Research</i> , 2010 , 11, 1-2	4.8	3
61	Micro and macro evaluation of classification rules 2008 ,		3
60	A BUSINESS PROCESS CENTERED SOFTWARE ANALYSIS METHOD. <i>International Journal of Software Engineering and Knowledge Engineering</i> , 2003 , 13, 153-168	1	3
59	Characterization of comparative belief structures. <i>International Journal of Man-Machine Studies</i> , 1992 , 37, 123-133		3
58	Supporting Literature Exploration with Granular Knowledge Structures. <i>Lecture Notes in Computer Science</i> , 2007 , 182-189	0.9	3
57	Granular Structures and Approximations in Rough Sets and Knowledge Spaces. <i>Studies in Computational Intelligence</i> , 2009 , 71-84	0.8	3
56	Indiscernibility and Similarity in an Incomplete Information Table. <i>Lecture Notes in Computer Science</i> , 2010 , 110-117	0.9	3
55	Definability in Incomplete Information Tables. <i>Lecture Notes in Computer Science</i> , 2016 , 177-186	0.9	3
54	Basic Level Advantage and Its Switching during Information Retrieval: An fMRI Study. <i>Lecture Notes in Computer Science</i> , 2010 , 427-436	0.9	3
53	Feature Selection Based on Confirmation-Theoretic Rough Sets. <i>Lecture Notes in Computer Science</i> , 2014 , 181-188	0.9	2
52	Rough, fuzzy, interval clustering for web usage mining 2010 ,		2
51	LOCAL PECULIARITY ORIENTED DATA MINING AND ITS APPLICATION IN OUTLIER DETECTION. <i>International Journal of Information Technology and Decision Making</i> , 2012 , 11, 1155-1181	2.8	2
50	Granular Computing and Cognitive Informatics 2006 ,		2

49	2006,		2
48	Granular Computing for Web Intelligence and Brain Informatics 2007,		2
47	Web-based Support Systems (WSS): A Report of the WIC Canada Research Centre		2
46	Adaptive Linear Market Value Functions for Targeted Marketing. <i>Lecture Notes in Computer Science</i> , 2004 , 743-751	0.9	2
45	Interval based uncertain reasoning		2
44	Generalized probabilistic rough set models		2
43	Granular rough sets and granular shadowed sets: Three-way approximations in Pawlak approximation spaces. <i>International Journal of Approximate Reasoning</i> , 2022 , 142, 231-247	3.6	2
42	Modeling Use-Oriented Attribute Importance with the Three-Way Decision Theory. <i>Lecture Notes in Computer Science</i> , 2020 , 122-136	0.9	2
41	On Interpreting Three-Way Decisions through Two-Way Decisions. <i>Lecture Notes in Computer Science</i> , 2014 , 73-82	0.9	2
40	A Profit-Based Business Model for Evaluating Rule Interestingness. <i>Lecture Notes in Computer Science</i> , 2007 , 296-307	0.9	2
39	Partitions, Coverings, Reducts and Rule Learning in Rough Set Theory. <i>Lecture Notes in Computer Science</i> , 2011 , 101-109	0.9	2
38	Algebraic approaches to granular computing. <i>Granular Computing</i> , 2021 , 6, 119-131	5.4	2
37	Human-machine co-intelligence through symbiosis in the SMV space. <i>Applied Intelligence</i> ,1	4.9	2
36	WaaSWisdom as a Service 2016 , 27-46		1
35	Multidisciplinary approaches to computing 2013 ,		1
34	Missing values imputation hypothesis: An experimental evaluation 2009 ,		1
33	EvalWare: Granular Computing for Web Applications [Best of the Web]. <i>IEEE Signal Processing Magazine</i> , 2008 , 25, 142-144	9.4	1
32	Analyzing and mining ordered information tables. <i>Journal of Computer Science and Technology</i> , 2003 , 18, 771-779	1.7	1

31	Decision-Level Sensor-Fusion Based on DTRS. <i>Lecture Notes in Computer Science</i> , 2015 , 321-332	0.9	1
30	Region Vector Based Attribute Reducts in Decision-Theoretic Rough Sets. <i>Lecture Notes in Computer Science</i> , 2015 , 355-365	0.9	1
29	A Semantical Approach to Rough Sets and Dominance-Based Rough Sets. <i>Communications in Computer and Information Science</i> , 2016 , 23-35	0.3	1
28	C&E Re-clustering: Reconstruction of Clustering Results by Three-Way Strategy. <i>Lecture Notes in Computer Science</i> , 2017 , 540-549	0.9	1
27	Actionable Strategies in Three-Way Decisions with Rough Sets. <i>Lecture Notes in Computer Science</i> , 2017 , 183-199	0.9	1
26	Multiple Representations of Web Content for Effective Knowledge Utilization. <i>Lecture Notes in Computer Science</i> , 2012 , 338-347	0.9	1
25	Multistage Email Spam Filtering Based on Three-Way Decisions. <i>Lecture Notes in Computer Science</i> , 2013 , 313-324	0.9	1
24	Qualitative Approximations of Fuzzy Sets and Non-classical Three-Valued Logics (II). <i>Lecture Notes in Computer Science</i> , 2010 , 204-211	0.9	1
23	Qualitative Approximations of Fuzzy Sets and Non-classical Three-Valued Logics (I). <i>Lecture Notes in Computer Science</i> , 2010 , 195-203	0.9	1
22	The Role of Lateral Inferior Prefrontal Cortex during Information Retrieval. <i>Lecture Notes in Computer Science</i> , 2011 , 53-63	0.9	1
21	An Introduction to Rough Sets. <i>Advanced Information and Knowledge Processing</i> , 2012 , 3-20	0.3	1
20	A Sequential Three-Way Approach to Constructing a Co-association Matrix in Consensus Clustering. <i>Lecture Notes in Computer Science</i> , 2018 , 599-613	0.9	1
19	Matrix approach for fuzzy description reduction and group decision-making with fuzzy covering. <i>Information Sciences</i> , 2022 , 597, 53-85	7.7	1
18	A three-way multi-attribute decision making method based on regret theory and its application to medical data in fuzzy environments. <i>Applied Soft Computing Journal</i> , 2022 , 123, 108975	7.5	1
17	Perspectives on Denotational Mathematics: New Means of Thought. <i>Lecture Notes in Computer Science</i> , 2008 , 1-5	0.9	0
16	Granular Computing for Web Intelligence. <i>Studies in Computational Intelligence</i> , 2009 , 89-102	0.8	0
15	A trilevel analysis of uncertainty measures in partition-based granular computing. <i>Artificial Intelligence Review</i> , 1	9.7	0
14	Aggregation operators on shadowed sets. <i>Information Sciences</i> , 2022 , 595, 313-333	7.7	0

- 13 Facial Similarity Analysis: A Three-Way Decision Perspective. *Studies in Fuzziness and Soft Computing*, **2019**, 289-313 0.7
- 12 On the completeness of incidence calculus. *Journal of Automated Reasoning*, **1996**, 16, 355-368 1
- 11 Perspectives on Cognitive Computing and Applications1-12
- 10 Perspectives on Cognitive Informatics and Cognitive Computing1-24
- 9 In Search of Effective Granulization with DTRS for Ternary Classification237-248
- 8 Web Intelligence Meets Immunology **2007**, 205-213
- 7 Evaluating Information Retrieval System Performance Based on Multi-grade Relevance **2008**, 424-433
- 6 Interactive Classification Using a Granule Network. *International Journal of Cognitive Informatics and Natural Intelligence*, **2007**, 1, 87-97 0.9
- 5 A Linear Model for Three-Way Analysis of Facial Similarity. *Communications in Computer and Information Science*, **2018**, 528-537 0.3
- 4 Utilizing DTRS for Imbalanced Text Classification. *Lecture Notes in Computer Science*, **2016**, 219-228 0.9
- 3 Figural Effects in Syllogistic Reasoning with Evaluation Paradigm: An Eye-Movement Study. *Lecture Notes in Computer Science*, **2009**, 106-114 0.9
- 2 3RD: A Multi-criteria Decision-Making Method Based on Three-Way Rankings. *Lecture Notes in Computer Science*, **2021**, 294-309 0.9
- 1 Trilevel Multi-criteria Decision Analysis Based on Three-Way Decision. *IFIP Advances in Information and Communication Technology*, **2021**, 115-124 0.5