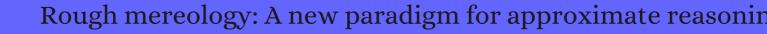
CITATION REPORT List of articles citing



DOI: 10.1016/s0888-613x(96)00072-2 International Journal of Approximate Reasoning, 1996, 15, 333-365.

Source: https://exaly.com/paper-pdf/27422876/citation-report.pdf

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
336	Implementing fuzzy containment via rough inclusions: rough mereological approach to distributed problem solving.		2
335	Rough mereological foundations for design, analysis, synthesis, and control in distributed systems. <i>Information Sciences</i> , 1998 , 104, 129-156	7.7	38
334	Adaptive fuzzy rough approximate time controller design methodology: concepts, Petri net model and application.		1
333	Reasoning about Data 🖪 Rough Set Perspective. <i>Lecture Notes in Computer Science</i> , 1998 , 25-34	0.9	16
332	Granularity of knowledge, indiscernibility and rough sets.		71
331	Toward Spatial Reasoning in the Framework of Rough Mereology. <i>Lecture Notes in Computer Science</i> , 1999 , 55-63	0.9	
330	Information Granules in Distributed Environment. Lecture Notes in Computer Science, 1999, 357-365	0.9	25
329	Knowledge Discovery in Medical Multi-databases: A Rough Set Approach. <i>Lecture Notes in Computer Science</i> , 1999 , 147-155	0.9	4
328	Towards Discovery of Information Granules. Lecture Notes in Computer Science, 1999, 542-547	0.9	11
327	Rough sets and reasoning about complications-granular computation in medical reasoning.		
326	Automated Discovery of Plausible Rules Based on Rough Sets and Rough Inclusion. <i>Lecture Notes in Computer Science</i> , 1999 , 210-219	0.9	7
325	Calculi of Granules Based on Rough Set Theory: Approximate Distributed Synthesis and Granular Semantics for Computing with Words. <i>Lecture Notes in Computer Science</i> , 1999 , 20-28	0.9	9
324	Decomposition of task specification problems. <i>Lecture Notes in Computer Science</i> , 1999 , 310-318	0.9	3
323	Granular Computing: a Rough Set Approach. 2001 , 17, 514-544		45
322	Meticulous rough inclusion and its relations to fuzzy inclusion.		1
321	Rough Sets in Knowledge Discovery and Data Mining(????????). 2001, 13, 581-591		15
320	Information granules: Towards foundations of granular computing. 2001 , 16, 57-85		179

Information granules in spatial reasoning. 319 О Toward Intelligent Systems: Calculi of Information Granules. Lecture Notes in Computer Science, 318 0.9 23 2001, 251-260 A rough set approach to measuring information granules. 317 11 Web mining in soft computing framework: relevance, state of the art and future directions. 2002, 316 186 13, 1163-77 Inclusion degree: a perspective on measures for rough set data analysis. Information Sciences, 2002, 7.7 64 315 141. 227-236 Automated extraction of hierarchical decision rules from clinical databases using rough set model. 58 314 2003, 24, 189-197 Rule Induction with Grouping Target Concepts based on Rough Sets. 2003, 82, 286-297 313 O 312 Approximation Spaces in Rough Neurocomputing. 2003, 13-22 11 Computing from words via rough mereology in mobile robot navigation. 311 3 A Rough Set Paradigm for Unifying Rough Set Theory and Fuzzy Set Theory. 2003, 70-77 310 13 Rough Sets: Trends and Challenges. 2003, 25-34 309 24 308 Rough Sets and Information Granulation. Lecture Notes in Computer Science, 2003, 370-377 0.9 17 Clustering Supermarket Customers Using Rough Set Based Kohonen Networks. Lecture Notes in 307 0.9 9 Computer Science, 2003, 169-173 Toward Rough Set Foundations. Mereological Approach. Lecture Notes in Computer Science, 2004, 8-25 0.9 306 29 Feature Subset Selection Based on Relative Dependency between Attributes. Lecture Notes in 305 0.9 2.2 Computer Science, 2004, 176-185 Rough Sets and Current Trends in Computing. Lecture Notes in Computer Science, 2004, 16 304 0.9 Some Issues on Rough Sets. Lecture Notes in Computer Science, 2004, 1-58 303 0.9 105 Transactions on Rough Sets I. Lecture Notes in Computer Science, 2004, 302 0.9 10

301	Evolutionary, Neural, and Statistical Approaches to Interval Clustering for Web Mining. 2004 , 13,		2
300	Interval Set Clustering of Web Users with Rough K-Means. 2004 , 23, 5-16		319
299	Mining diagnostic rules from clinical databases using rough sets and medical diagnostic model. <i>Information Sciences</i> , 2004 , 162, 65-80	7.7	76
298	Approximation space for intelligent system design patterns. 2004 , 17, 393-400		12
297	Rough sets method for SVM data preprocessing.		1
296	Approximation Spaces and Information Granulation. Lecture Notes in Computer Science, 2004, 116-126	0.9	9
295	Information Granules and Rough-Neural Computing. 2004 , 43-84		47
294	Domain Knowledge Approximation in Handwritten Digit Recognition. <i>Lecture Notes in Computer Science</i> , 2004 , 643-652	0.9	
293	A Graded Applicability of Rules. Lecture Notes in Computer Science, 2004, 213-218	0.9	2
292	Web Mining in Soft Computing Framework: A Survey. 2004 , 231-259		
291	Formal granular calculi based on rough inclusions. 2005,		38
290	Improving Rough Classifiers Using Concept Ontology. Lecture Notes in Computer Science, 2005, 312-322	0.9	1
289	Approximation Spaces and Information Granulation. Lecture Notes in Computer Science, 2005, 175-189	0.9	55
288	Transactions on Rough Sets IV. Lecture Notes in Computer Science, 2005,	0.9	3
287	Hierarchical modelling in searching for complex patterns: constrained sums of information systems. 2005 , 17, 83-102		16
286	A rule generation algorithm based on granular computing. 2005,		
285	Monitoring, Security, and Rescue Techniques in Multiagent Systems. 2005,		
284	Distributed multi-agent based approaches.		1

283	Understanding domain knowledge: concept approximation using rough mereology.		1
282	Rough Sets, Fuzzy Sets, Data Mining, and Granular Computing. <i>Lecture Notes in Computer Science</i> , 2005 ,	0.9	2
281	Knowledge Representation Techniques. 2006,		1
280	Approximate Reasoning in MAS: Rough Set Approach. 2006,		
279	Approximate Reasoning in MAS: Rough Set Approach. 2006,		4
278	. 2006 , 14, 191-201		181
277	Ruggedness measures of medical time series using fuzzy-rough sets and fractals. 2006 , 27, 447-454		14
276	A model of granular computing with applications. granules from rough inclusions in information systems.		17
275	Rough Mereological Reasoning in Rough Set Theory: Recent Results and Problems. <i>Lecture Notes in Computer Science</i> , 2006 , 79-92	0.9	4
274	Transactions on Rough Sets V. Lecture Notes in Computer Science, 2006,	0.9	
²⁷⁴	Transactions on Rough Sets V. <i>Lecture Notes in Computer Science</i> , 2006 , A MULTISTAGE RULE INDUCTION ALGORITHM IN CLASSIFICATION. 2007 , 21, 693-708	0.9	3
		0.9	3
273	A MULTISTAGE RULE INDUCTION ALGORITHM IN CLASSIFICATION. 2007 , 21, 693-708	0.9	
273	A MULTISTAGE RULE INDUCTION ALGORITHM IN CLASSIFICATION. 2007 , 21, 693-708 Rough Set Theory. 2007 ,	0.9	8
273 272 271	A MULTISTAGE RULE INDUCTION ALGORITHM IN CLASSIFICATION. 2007, 21, 693-708 Rough Set Theory. 2007, . 2007, Dimensionality Reduction Using Rough Set Approach for Two Neural Networks-Based Applications.		13
273 272 271 270	A MULTISTAGE RULE INDUCTION ALGORITHM IN CLASSIFICATION. 2007, 21, 693-708 Rough Set Theory. 2007, . 2007, Dimensionality Reduction Using Rough Set Approach for Two Neural Networks-Based Applications. Lecture Notes in Computer Science, 2007, 639-647		8 13 8
273 272 271 270 269	A MULTISTAGE RULE INDUCTION ALGORITHM IN CLASSIFICATION. 2007, 21, 693-708 Rough Set Theory. 2007, . 2007, Dimensionality Reduction Using Rough Set Approach for Two Neural Networks-Based Applications. Lecture Notes in Computer Science, 2007, 639-647 . 2007,		8 13 8

265	Rough sets: Some extensions. <i>Information Sciences</i> , 2007 , 177, 28-40	7.7	774
264	Probabilistic rough set approximations. International Journal of Approximate Reasoning, 2008, 49, 255-2	2731.6	434
263	Rough Sets and Current Trends in Computing. Lecture Notes in Computer Science, 2008,	0.9	8
262	Domain Knowledge Assimilation by Learning Complex Concepts. 2008 , 224-236		
261	Interval rough mereology and description logic: An approach to formal treatment of imprecision in the Semantic Web ontologies. 2008 , 6, 157-174		2
260	Computational Intelligence. 2008,		O
259	Evolutionary Rough K-Means Clustering. Lecture Notes in Computer Science, 2009, 68-75	0.9	11
258	On Knowledge Granulation and Applications to Classifier Induction in the Framework of Rough Mereology. 2009 , 2, 315-331		4
257	Knowledge structure, knowledge granulation and knowledge distance in a knowledge base. <i>International Journal of Approximate Reasoning</i> , 2009 , 50, 174-188	3.6	142
256	Foundations of near sets. <i>Information Sciences</i> , 2009 , 179, 3091-3109	7.7	59
255	AFS Fuzzy Rough Sets. 2009 , 227-267		
254	The Development of Fuzzy Rough Sets with the Use of Structures and Algebras of Axiomatic Fuzzy Sets. 2009 , 21, 443-462		37
253	Rough K-medoids clustering using GAs. 2009,		4
252	Knowledge Cluster Analysis Based on Rough Inclusion. 2009,		
251	Rough Cluster Quality Index Based on Decision Theory. 2009 , 21, 1014-1026		97
250	Bitopological rough approximations with medical applications. 2010 , 22, 177-183		6
249	Rough support vector regression. 2010 , 206, 445-455		21
248	. 2010 , 18, 585-598		12

Perception-based approach in recognition of structured patterns. **2010**,

246	Cooperative Design, Visualization, and Engineering. Lecture Notes in Computer Science, 2010,	0.9	O
245	Satisfiability Judgement under Incomplete Information. Lecture Notes in Computer Science, 2010, 66-91	0.9	1
244	A Fuzzy View on Rough Satisfiability. <i>Lecture Notes in Computer Science</i> , 2010 , 227-236	0.9	
243	Incomplete Multigranulation Rough Set. 2010 , 40, 420-431		235
242	Conservative and aggressive rough SVR modeling. 2011 , 412, 5885-5901		7
241	Rough clustering. 2011 , 1, 64-72		41
240	The method of processing the uncertainty knowledge on incomplete domain. 2011,		
239	Rough Set Approximations in Incomplete Multi-scale Information Systems. <i>Lecture Notes in Computer Science</i> , 2012 , 342-350	0.9	
238	On relationship between probabilistic rough set and Bayesian risk decision over two universes. 2012 , 41, 225-245		47
237	A quick value reduction algorithm of rough set. 2012 ,		0
236	First-order axiomatization of rough mereology. 2012 ,		
235	Computational intelligence techniques for modelling an economic system. 2012,		3
234	Blood sugar regularization based evolutionary algorithm for data classification. 2012 , 12, 2266-2273		3
233	Computational Complexity. 2012 , 2761-2771		
232	Interactive information systems: Toward perception based computing. 2012 , 454, 240-260		26
231	Rough ideals in lattices. 2012 , 21, 245-253		8
230	Computational Intelligence and Intelligent Systems. <i>Communications in Computer and Information Science</i> , 2012 ,	0.3	1

229	Rough Sets and Knowledge Technology. Lecture Notes in Computer Science, 2012,	0.9	3
228	Modeling rough granular computing based on approximation spaces. <i>Information Sciences</i> , 2012 , 184, 20-43	7.7	107
227	Rough Sets. Intelligent Systems Reference Library, 2013 , 69-135	0.8	
226	On knowledge acquisition in multi-scale decision systems. 2013 , 4, 477-486		31
225	Fuzzy probabilistic rough set model on two universes and its applications. <i>International Journal of Approximate Reasoning</i> , 2013 , 54, 1410-1420	3.6	43
224	Title Paper: Natural computing: A problem solving paradigm with granular information processing. 2013 , 13, 3944-3955		24
223	Three Approaches to Data Analysis. Intelligent Systems Reference Library, 2013,	0.8	19
222	Multi-granulation rough sets in multi-scale information systems. 2013,		2
221	Interval-valued analysis for discriminative gene selection and tissue sample classification using microarray data. 2013 , 101, 38-48		10
220	Building the fundamentals of granular computing: A principle of justifiable granularity. 2013 , 13, 4209	-4218	208
219	Multigranulation rough sets: From partition to covering. <i>Information Sciences</i> , 2013 , 241, 101-118	7.7	127
218	Rough Sets: From Rudiments to Challenges. Intelligent Systems Reference Library, 2013, 75-173	0.8	12
217	An Approach to Pattern Recognition Based on Hierarchical Granular Computing. 2013, 127, 369-384		7
216	Nearness of Visual Objects. Application of Rough Sets in Proximity Spaces. 2013 , 128, 159-176		5
215	Appling rough set method to analyze the weighting of relevant subjects in elementary school test scores. 2013 ,		
214	Perspectives on Uncertainty and Risk in Rough Sets and Interactive Rough-Granular Computing. 2014 , 129, 69-84		13
214		7-7	13 64

211	Membership function based rough set. <i>International Journal of Approximate Reasoning</i> , 2014 , 55, 402-41 3 .6	16
210	From probabilistic computing approach to probabilistic rough set for solving problem related to uncertainty under machine learning. 2015 ,	
209	Probabilistic fuzzy rough sets. 2015 , 29, 1901-1912	4
208	Partially ordered rough ensemble clustering for multigranular representations. 2015 , 19, S103-S116	4
207	S-approximation Spaces: A Three-way Decision Approach. 2015 , 139, 307-328	18
206	Combining Rough Clustering Schemes as a Rough Ensemble. <i>Lecture Notes in Computer Science</i> , 0.9	
205	A Decision-Theoretic Rough Set Approach for Dynamic Data Mining. 2015 , 23, 1958-1970	111
204	Topological Approach to Multivalued Information System. 2015 , 56, 406-417	
203	Dealing with Uncertainty: From Rough Sets to Interactive Rough-Granular Computing. 2015, 17-32	О
202	Intelligent Techniques in Decision Making: A Survey. 2016 , 9,	10
201	Mereological algebras as mechanisms for reasoning about sounds. 2016,	1
200	Evolutionary semi-supervised rough categorization of brain signals from a wearable headband. 2016 ,	1
199	A Relational Logic for Spatial Contact Based on Rough Set Approximation. 2016 , 148, 191-206	2
198	On efficient methods of computing attribute-value blocks in incomplete decision systems. 2016 , 113, 171-185	2
197	Interpretations of Lower Approximations in Inclusion Degrees. <i>Lecture Notes in Computer Science</i> , 2016, 297-306	
196	Towards W2T Foundations: Interactive Granular Computing and Adaptive Judgement. 2016 , 47-71	4
195	A survey on rough set theory and its applications. 2016 , 1, 323-333	117
194	Approximations and uncertainty measure- ments in ordered information systems. 2016 , 20, 723-743	1

193	Data volume reduction in covering approximation spaces with respect to twenty-two types of covering based rough sets. <i>International Journal of Approximate Reasoning</i> , 2016 , 75, 13-38	3.6	6
192	The uncertainty of probabilistic rough sets in multi-granulation spaces. <i>International Journal of Approximate Reasoning</i> , 2016 , 77, 38-54	3.6	34
191	Encyclopedia of GIS. 2016 , 1-7		
190	Toward Problem Solving Support Based on Big Data and Domain Knowledge: Interactive Granular Computing and Adaptive Judgement. 2016 , 49-90		2
189	A probabilistic approach to rough set theory with modal logic perspective. <i>Information Sciences</i> , 2017 , 406-407, 170-184	7.7	3
188	Rough Sets in Pattern Recognition. 2017 , 323-393		
187	Local multigranulation decision-theoretic rough sets. <i>International Journal of Approximate Reasoning</i> , 2017 , 82, 119-137	3.6	87
186	Feature selection and approximate reasoning of large-scale set-valued decision tables based on Hominance-based quantitative rough sets. <i>Information Sciences</i> , 2017 , 378, 328-347	7.7	31
185	Attribute reduction of covering decision systems by hypergraph model. 2017 , 118, 93-104		16
184	Inclusion degree with variable-precision model in analyzing inconsistent decision tables. 2017 , 2, 65-72		13
183	Rough sets induced by ideals in kewlattices. 2017, 33, 3913-3928		
182	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
181	Granular computing on information tables: Families of subsets and operators. <i>Information Sciences</i> , 2018 , 442-443, 72-102	7.7	22
180	Algebraic Methods for Granular Rough Sets. 2018 , 157-335		7
179	A Method of Deep Belief Network Image Classification Based on Probability Measure Rough Set Theory. 2018 , 32, 1850040		4
178	Distance-based double-quantitative rough fuzzy sets with logic operations. <i>International Journal of Approximate Reasoning</i> , 2018 , 101, 206-233	3.6	23
177	Some Foundational Aspects of Rough Sets Rendering Its Wide Applicability. <i>Lecture Notes in Computer Science</i> , 2018 , 29-45	0.9	
176	Building a Framework of Rough Inclusion Functions by Means of Computerized Proof Assistant. <i>Lecture Notes in Computer Science</i> , 2019 , 225-238	0.9	2

(2005-2019)

175	On the properties of subsethood measures. <i>Information Sciences</i> , 2019 , 494, 208-232	7.7	8
174	Near approximations in groups. 2019 , 30, 285-297		2
173	A Logic for Spatial Reasoning in the Framework of Rough Mereology. <i>Lecture Notes in Computer Science</i> , 2019 , 142-168	0.9	
172	Roughness in Substructures of Skew Lattices. 2019 , 36, 5959-5972		
171	A Hash Method for Calculating Rough Set Approximations. 2019,		
170	SI: SCA Measures F uzzy rough set features of cognitive computations in the visual system. 2019 , 36, 3155-3167		4
169	Multi-granulation interval-valued fuzzy probabilistic rough sets and their corresponding three-way decisions based on interval-valued fuzzy preference relations. 2019 , 4, 89-108		29
168	Incremental approaches for heterogeneous feature selection in dynamic ordered data. <i>Information Sciences</i> , 2020 , 541, 475-501	7.7	17
167	Constructing assembly design model capable of capturing and sharing semantic dynamic motion information in heterogeneous CAD systems. 2020 , 111, 945-961		O
166	An Analytical Review on Rough Set Based Image Clustering. 1		2
165	Neighborhood rough sets with distance metric learning for feature selection. 2021 , 224, 107076		10
164	Rough Validity, Confidence, and Coverage of Rules in Approximation Spaces. <i>Lecture Notes in Computer Science</i> , 2005 , 57-81	0.9	4
163	Rough Ethology: Towards a Biologically-Inspired Study of Collective Behavior in Intelligent Systems with Approximation Spaces. <i>Lecture Notes in Computer Science</i> , 2005 , 153-174	0.9	22
162	Rough Sets and Flow Graphs. Lecture Notes in Computer Science, 2005, 1-11	0.9	19
161	Rough Sets and Higher Order Vagueness. Lecture Notes in Computer Science, 2005, 33-42	0.9	13
160	Ontological Framework for Approximation. Lecture Notes in Computer Science, 2005, 718-727	0.9	10
159	A Treatise on Rough Sets. Lecture Notes in Computer Science, 2005, 1-17	0.9	24
158	A Framework for Reasoning with Rough Sets. Lecture Notes in Computer Science, 2005, 178-276	0.9	7

157	Approximation Spaces in Machine Learning and Pattern Recognition. <i>Lecture Notes in Computer Science</i> , 2005 , 750-755	0.9	1
156	Eliciting Domain Knowledge in Handwritten Digit Recognition. <i>Lecture Notes in Computer Science</i> , 2005 , 762-767	0.9	14
155	Rough Sets in Perception-Based Computing. Lecture Notes in Computer Science, 2005, 21-29	0.9	15
154	Some Methodological Remarks About Categorical Equivalences in the Abstract Approach to Roughness [Part I. <i>Lecture Notes in Computer Science</i> , 2006 , 277-283	0.9	7
153	Rough Sets and Vague Concept Approximation: From Sample Approximation to Adaptive Learning. <i>Lecture Notes in Computer Science</i> , 2006 , 39-62	0.9	32
152	Planning Based on Reasoning About Information Changes. <i>Lecture Notes in Computer Science</i> , 2006 , 165	5-1.73	3
151	Towards Rough Applicability of Rules. 2005 , 203-214		1
150	Approximation Spaces for Hierarchical Intelligent Behavioral System Models. 2005 , 13-30		6
149	Adapting Granular Rough Theory to Multi-agent Context. 2003, 701-705		2
148	A View on Rough Set Concept Approximations. 2003 , 181-188		24
147	Reasoning Based on Information Changes in Information Maps. 2003, 229-236		2
146	A Pure Mereological Approach to Roughness. 2003 , 425-429		2
145	Wireless Agent Guidance of Remote Mobile Robots: Rough Integral Approach to Sensor Signal Analysis. <i>Lecture Notes in Computer Science</i> , 2001 , 413-422	0.9	4
144	Rough-Neuro Computing. <i>Lecture Notes in Computer Science</i> , 2001 , 57-64	0.9	9
143	Mining Hierarchical Decision Rules from Clinical Databases Using Rough Sets and Medical Diagnostic Model. <i>Lecture Notes in Computer Science</i> , 2002 , 423-435	0.9	8
142	Approximate Reasoning by Agents. <i>Lecture Notes in Computer Science</i> , 2002 , 3-14	0.9	2
141	Applying Rough Set Concepts to Clustering. 2012 , 23-37		31
140	Computational Complexity. 2012 , 1464-1487		2

139	Mereology in Engineering and Computer Science. 2014 , 217-291		6
138	A New Classifier Based on the Dual Indiscernibility Matrix. <i>Communications in Computer and Information Science</i> , 2016 , 380-391	0.3	7
137	Recent Development of Rough Computing: A Scientometrics View. <i>Studies in Computational Intelligence</i> , 2017 , 21-45	0.8	6
136	Introduction to Granular Computing, Pattern Recognition and Data Mining. <i>Studies in Computational Intelligence</i> , 2017 , 1-37	0.8	1
135	Clustering Ensemble for Prioritized Sampling Based on Average and Rough Patterns. <i>Lecture Notes in Computer Science</i> , 2017 , 530-539	0.9	1
134	Rough Set Methods in Approximation of Hierarchical Concepts. <i>Lecture Notes in Computer Science</i> , 2004 , 346-355	0.9	19
133	Rough Mereology as a Link between Rough and Fuzzy Set Theories. A Survey. <i>Lecture Notes in Computer Science</i> , 2004 , 253-277	0.9	4
132	First Steps towards Computably-Infinite Information Systems. <i>Lecture Notes in Computer Science</i> , 2004 , 151-188	0.9	1
131	Layered Learning for Concept Synthesis. Lecture Notes in Computer Science, 2004, 187-208	0.9	65
130	Rough Sets and Conflict Analysis. Studies in Computational Intelligence, 2007, 35-74	0.8	6
129	Discovery of Rules about Complications. Lecture Notes in Computer Science, 1999, 29-37	0.9	5
128	Propositional Logics from Rough Set Theory. 2007 , 1-25		25
127	A Wistech Paradigm for Intelligent Systems. 2007 , 94-132		37
126	Applications of Rough Set Based K-Means, Kohonen SOM, GA Clustering. 2007 , 120-139		20
125	Toward Rough-Granular Computing. Lecture Notes in Computer Science, 2007, 1-12	0.9	7
124	On Three Closely Related Rough Inclusion Functions. <i>Lecture Notes in Computer Science</i> , 2007 , 142-151	0.9	6
123	On Granular Rough Computing with Missing Values. Lecture Notes in Computer Science, 2007, 271-279	0.9	11
122	On Granular Rough Computing: Factoring Classifiers Through Granulated Decision Systems. <i>Lecture Notes in Computer Science</i> , 2007 , 280-289	0.9	12

121	Outlier Detection: An Approximate Reasoning Approach. Lecture Notes in Computer Science, 2007, 495-50	0 .49	4
120	Hierarchical Rough Classifiers. <i>Lecture Notes in Computer Science</i> , 2007 , 40-50	0.9	2
119	Granulation of Knowledge in Decision Systems: The Approach Based on Rough Inclusions. The Method and Its Applications. <i>Lecture Notes in Computer Science</i> , 2007 , 69-79	0.9	16
118	Toward Perception Based Computing: A Rough-Granular Perspective. <i>Lecture Notes in Computer Science</i> , 2007 , 122-142	0.9	5
117	Rough Mereology in Analysis of Vagueness. 2008 , 197-204		8
116	Rough Mereology in Classification of Data: Voting by Means of Residual Rough Inclusions. <i>Lecture Notes in Computer Science</i> , 2008 , 113-120	0.9	3
115	Precision of Rough Set Clustering. <i>Lecture Notes in Computer Science</i> , 2008 , 369-378	0.9	7
114	A Study in Granular Computing: On Classifiers Induced from Granular Reflections of Data. <i>Lecture Notes in Computer Science</i> , 2008 , 230-263	0.9	7
113	On Classifying Mappings Induced by Granular Structures. Lecture Notes in Computer Science, 2008, 264-28	36 9	10
112	Hierarchical Classifiers for Complex Spatio-temporal Concepts. <i>Lecture Notes in Computer Science</i> , 2008 , 474-750	0.9	55
111	On Certain Rough Inclusion Functions. <i>Lecture Notes in Computer Science</i> , 2008 , 35-55	0.9	9
110	Rough E uzzy Computing. 2012 , 1921-1948		1
109	Rough-Granular Computing in Human-Centric Information Processing. 2009, 23-42		2
108	Rough Approximation Based on Weak q-RIFs. <i>Lecture Notes in Computer Science</i> , 2009 , 117-135	0.9	6
107	Wisdom Technology: A Rough-Granular Approach. <i>Lecture Notes in Computer Science</i> , 2009 , 3-41	0.9	13
106	Toward Interactive Computations: A Rough-Granular Approach. <i>Studies in Computational Intelligence</i> , 2010 , 23-42	0.8	14
105	Spatial Reasoning Based on Rough Mereology: A Notion of a Robot Formation and Path Planning Problem for Formations of Mobile Autonomous Robots. <i>Lecture Notes in Computer Science</i> , 2010 , 143-16	9 .9	6
104	Fundamental Mathematical Notions of the Theory of Socially Embedded Games: A Granular Computing Perspective. 2004 , 411-434		5

103	Information Granulation and Approximation in a Decision-Theoretical Model of Rough Sets. 2004 , 491-5	16	12
102	Rough-Neural Computing: An Introduction. 2004 , 15-41		4
101	Approximation Transducers and Trees: A Technique for Combining Rough and Crisp Knowledge. 2004 , 189-218		4
100	Knowledge Acquisition in Inconsistent Multi-scale Decision Systems. <i>Lecture Notes in Computer Science</i> , 2011 , 669-678	0.9	5
99	Unifying Variable Precision and Classical Rough Sets: Granular Approach. <i>Intelligent Systems Reference Library</i> , 2013 , 365-373	0.8	4
98	A Review of the Knowledge Granulation Methods: Discrete vs. Continuous Algorithms. <i>Intelligent Systems Reference Library</i> , 2013 , 41-59	0.8	5
97	Axiomatic Granular Approach to Knowledge Correspondences. <i>Lecture Notes in Computer Science</i> , 2012 , 482-487	0.9	5
96	Dialectics of Counting and the Mathematics of Vagueness. <i>Lecture Notes in Computer Science</i> , 2012 , 122	-1,890	22
95	An Extension to Rough c-Means Clustering Algorithm Based on Boundary Area Elements Discrimination. <i>Lecture Notes in Computer Science</i> , 2013 , 17-33	0.9	3
94	A Scientometrics Study of Rough Sets in Three Decades. <i>Lecture Notes in Computer Science</i> , 2013 , 28-40	0.9	6
93	Approximate Reasoning in Distributed Environments. 2004 , 433-474		11
92	Jan 🛮 kasiewicz Life, Work, Legacy. <i>Lecture Notes in Computer Science</i> , 2019 , 1-47	0.9	1
91	Approximate Reasoning Schemes: Classifiers for Computing with Words. 2002, 338-345		3
90	Constructing Rough Mereological Granules of Classifying Rules and Classifying Algorithms. 2002 , 57-70		7
89	Rough Sets and Boolean Reasoning. 2001 , 95-124		14
88	Contact Relation Algebras. 2001 , 113-133		1
87	Rough Sets and Rough Logic: A KDD Perspective. 2000 , 583-646		8
86	Rough Mereology in Information Systems. A Case Study: Qualitative Spatial Reasoning. 2000 , 89-135		9

85	Knowledge Discovery by Application of Rough Set Models. 2000 , 137-233	51
84	Towards an Adaptive Calculus of Granules. 1999 , 201-228	45
83	Time and Clock Information Systems: Concepts and Roughly Fuzzy Petri Net Models. 1998, 385-417	4
82	Discovery of Data Patterns with Applications to Decomposition and Classification Problems. 1998 , 55-97	33
81	Quickly calculating reduct: An attribute relationship based approach. 2020 , 200, 106014	12
80	The Present Studying State of Granular Computing and Studying of Granular Computing Based on the Semantics of Rough Logic. 2009 , 31, 543-555	5
79	Spatial Reasoning via Rough Sets. <i>Lecture Notes in Computer Science</i> , 2001 , 479-486 0.9	
78	Towards Grammars of Decision Algorithms. 2001 , 85-95	
77	Rough Sets and their Applications. 2001 , 73-91	2
76	Induction of Rules about Complications with the use of Rough Sets. 2001 , 384-397	
75	Automated Discovery of Decision Rule Chains Using Rough Sets and Medical Diagnostic Model. Lecture Notes in Computer Science, 2002, 321-332	
74	Rough Mereological Localization and Navigation. <i>Lecture Notes in Computer Science</i> , 2002 , 629-637 0.9	
73	Rough Neurocomputing Based on Hierarchical Classifiers. <i>Lecture Notes in Computer Science</i> , 2002 , 316-323	1
72	Granularity, Multi-valued Logic, Bayes[Theorem and Rough Sets. 2002 , 487-498	6
71	Mining Multi-level Diagnostic Process Rules from Clinical Databases Using Rough Sets and Medical Diagnostic Model. <i>Lecture Notes in Computer Science</i> , 2003 , 362-369	
70	On Spatial Reasoning via Rough Mereology. 2003 , 327-336	
69	A Rough-Neural Computation Model Based on Rough Mereology. 2004 , 85-108	7
68	Soft Computing Pattern Recognition, Data Mining and Web Intelligence. 2004 , 475-512	

(2010-2004)

67	Fuzzy-Rough Modus Ponens and Modus Tollens as a Basis for Approximate Reasoning. <i>Lecture Notes in Computer Science</i> , 2004 , 84-94	0.9	2
66	Granular Computing on Extensional Functional Dependencies for Information System. <i>Lecture Notes in Computer Science</i> , 2004 , 186-191	0.9	1
65	A Survey of Recent Results on Spatial Reasoning via Rough Inclusions. <i>Lecture Notes in Computer Science</i> , 2005 , 134-146	0.9	
64	Hierarchical Information Maps. <i>Lecture Notes in Computer Science</i> , 2005 , 622-631	0.9	3
63	Zdzisłłw Pawlak: Life and Work. <i>Lecture Notes in Computer Science</i> , 2006 , 1-24	0.9	5
62	Relationship Between Inclusion Measure and Entropy of Fuzzy Sets. <i>Lecture Notes in Computer Science</i> , 2006 , 333-340	0.9	
61	Some Contributions by Zdzisłw Pawlak. Lecture Notes in Computer Science, 2006, 1-11	0.9	3
60	Domain Knowledge Assimilation by Learning Complex Concepts. <i>Lecture Notes in Computer Science</i> , 2006 , 617-626	0.9	2
59	Interval Rough Mereology for Approximating Hierarchical Knowledge. <i>Lecture Notes in Computer Science</i> , 2007 , 557-564	0.9	
58	Natural versus Granular Computing: Classifiers from Granular Structures. <i>Lecture Notes in Computer Science</i> , 2008 , 150-159	0.9	5
57	Category-Based Inductive Reasoning: Rough Set Theoretic Approach. <i>Lecture Notes in Computer Science</i> , 2008 , 428-443	0.9	
56	Hierarchical Learning in Classification of Structured Objects. <i>Lecture Notes in Computer Science</i> , 2008 , 191-201	0.9	
55	Encyclopedia of GIS. 2008, 21-25		
54	Rough Sets In Data Analysis: Foundations and Applications. <i>Studies in Computational Intelligence</i> , 2008 , 33-54	0.8	2
53	Encyclopedia of Complexity and Systems Science. 2009 , 1789-1810		2
52	Encyclopedia of Complexity and Systems Science. 2009 , 7787-7797		2
51	Encyclopedia of Complexity and Systems Science. 2009 , 4411-4435		10
50	An Exploratory Survey of Logic-Based Formalisms for Spatial Information. 2010 , 133-163		

49	Approximations and Classifiers. Lecture Notes in Computer Science, 2010, 297-306	0.9	
48	Fuzzy Logic. Studies in Computational Intelligence, 2010 , 83-108	0.8	1
47	Layered Approximation Approach to Knowledge Elicitation in Machine Learning. <i>Lecture Notes in Computer Science</i> , 2010 , 446-455	0.9	
46	Cooperative Decision Making for Evaluating PortsReception Facilities. <i>Lecture Notes in Computer Science</i> , 2010 , 101-104	0.9	
45	Discovery of Processes and Their Interactions from Data and Domain Knowledge. <i>Lecture Notes in Computer Science</i> , 2010 , 12-21	0.9	
44	Approximations of Functions: Toward Rough Granular Calculus. <i>Lecture Notes in Computer Science</i> , 2011 , 712-721	0.9	
43	Management of Different Format Initial Data. <i>Communications in Computer and Information Science</i> , 2011 , 135-144	0.3	
42	Rough Mereology. Intelligent Systems Reference Library, 2011 , 229-257	0.8	4
41	Calculi of Approximation Spaces in Intelligent Systems. Intelligent Systems Reference Library, 2011, 35-5	5 5 0.8	1
40	Research on New Distributed Solution Method of Complex System Based on MAS. 2012 , 589-596		
39	Individual Paths in Self-evaluation Processes. <i>Communications in Computer and Information Science</i> , 2012 , 425-431	0.3	
38	Data-Mining and Knowledge Discovery: Case-Based Reasoning, Nearest Neighbor and Rough Sets. 2012 , 789-809		1
37	Application of Set-theoretic Granular Computing. 2012 , 7,		
36	Introduction to Perception Based Computing. Smart Innovation, Systems and Technologies, 2013, 249-27	7 5 0.5	1
35	Computational Intelligence.		4
34	Mereology and Rough Mereology: Rough Mereological Granulation. <i>Intelligent Systems Reference Library</i> , 2015 , 17-31	0.8	
33	The Boosting and Bootstrap Ensembles for the Pair Classifier Based on the Dual Indiscernibility Matrix. <i>Studies in Computational Intelligence</i> , 2017 , 425-439	0.8	
32	Path Planning Based on Potential Fields from Rough Mereology. <i>Lecture Notes in Computer Science</i> , 2017 , 158-168	0.9	2

31	Rough Sets, Rough Mereology and Uncertainty. Studies in Computational Intelligence, 2017, 49-85	0.8	1
30	A Topological Approximation Space Based on Open Sets of Topology Generated by Coverings. Lecture Notes in Computer Science, 2017 , 130-137	0.9	
29	Classification Model Based on Topological Approximation Space. <i>Lecture Notes in Computer Science</i> , 2017 , 570-578	0.9	
28	On Mereology as a Tool in Problems of Intelligent Control, Granular Computing, Data Analysis and Approximate and Spatial Reasoning. <i>Lecture Notes in Computer Science</i> , 2017 , 108-129	0.9	
27	Encyclopedia of GIS. 2017 , 71-77		
26	Comparison of Rough Mereology Based Path Planning Algorithms for Intelligent Robotics. <i>Communications in Computer and Information Science</i> , 2019 , 397-407	0.3	
25	Dialectical Rough Sets, Parthood and Figures of Opposition-I. <i>Lecture Notes in Computer Science</i> , 2019 , 96-141	0.9	4
24	Formal Development of Rough Inclusion Functions. Formalized Mathematics, 2019, 27, 337-345	0.2	1
23	Rough Set Based Supervised Machine Learning Approaches: Survey and Application. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , 2020 , 404-424	0.3	
22	Encyclopedia of Complexity and Systems Science. 2020 , 1-16		
21	Learning Concept Approximation from Uncertain Decision Tables. 2005, 249-260		1
20	Rough Mereology as a Language for a Minimalist Mobile Robot Eenvironment Description. 2005 , 509	-518	
19	Mereological Foundations to Approximate Reasoning. 2005 , 117-132		
18	Extracting Structure of Medical Diagnosis: Rough Set Approach. 2003, 78-88		3
17	Rough Mereology: A Survey of New Developments with Applications to Granular Computing, Spatial Reasoning and Computing with Words. 2003 , 106-113		1
16	Rough Mereology in Knowledge Representation. 2003 , 329-333		1
15	On Conjugate Information Systems: A Proposition on How to Learn Concepts in Humane Sciences by Means of Rough Set Theory. 2007 , 298-307		2
14	A Comparison of Pawlaki and Skowronitepaniuki Approximation of Concepts. 2007 , 64-82		1

13	Rough-Granular Computing in Human-Centric Information Processing. <i>Studies in Computational Intelligence</i> , 2009 , 1-30	0.8	6
12	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
11	Granular computing on basic digraphs. Applicable Analysis and Discrete Mathematics, 2022, 1-1	1	
10	A landscape and implementation framework for probabilistic rough sets using ProbLog. <i>Information Sciences</i> , 2022 , 593, 546-576	7.7	O
9	On threshold based approximations of mf-rough sets. Applied Intelligence,	4.9	
8	Granulation of Knowledge: Similarity Based Approach in Information and Decision Systems. 2020 , 1-32		O
7	Modeling relationships in three-way conflict analysis with subsethood measures. 2022, 110131		О
6	Mathematical Morphology View of Topological Rough Sets and Its Applications. 2023 , 74, 6893-6908		O
5	Granularity and Rational Approximation: Rethinking Graded Rough Sets. 2022 , 33-59		0
4	Fuzzy Sets and Rough Sets: A Mathematical Narrative. 2023 , 1-21		O
3	Granulation of Knowledge: Similarity Based Approach in Information and Decision Systems. 2023 , 279-	310	O
2	Mereology. 2023 , 501-516		O
1	Rough Sets: Foundations and Perspectives. 2009 , 877-889		0