

Roman Slowinski

List of Publications by Year in descending order

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304
papers

18,494
citations

14614

66
h-index

15683

125
g-index

331
all docs

331
docs citations

331
times ranked

5527
citing authors

#	ARTICLE	IF	CITATIONS
1	Rough sets. Communications of the ACM, 1995, 38, 88-95.	3.3	1,817
2	Rough sets theory for multicriteria decision analysis. European Journal of Operational Research, 2001, 129, 1-47.	3.5	1,456
3	A generalized definition of rough approximations based on similarity. IEEE Transactions on Knowledge and Data Engineering, 2000, 12, 331-336.	4.0	844
4	Rough approximation of a preference relation by dominance relations. European Journal of Operational Research, 1999, 117, 63-83.	3.5	458
5	Rough approximation by dominance relations. International Journal of Intelligent Systems, 2002, 17, 153-171.	3.3	454
6	Rough set approach to multi-attribute decision analysis. European Journal of Operational Research, 1994, 72, 443-459.	3.5	404
7	Business failure prediction using rough sets. European Journal of Operational Research, 1999, 114, 263-280.	3.5	387
8	Ordinal regression revisited: Multiple criteria ranking using a set of additive value functions. European Journal of Operational Research, 2008, 191, 416-436.	3.5	384
9	Rough sets methodology for sorting problems in presence of multiple attributes and criteria. European Journal of Operational Research, 2002, 138, 247-259.	3.5	378
10	Inferring an ELECTRE TRI Model from Assignment Examples. Journal of Global Optimization, 1998, 12, 157-174.	1.1	331
11	An Overview of ELECTRE Methods and their Recent Extensions. Journal of Multi-Criteria Decision Analysis, 2013, 20, 61-85.	1.0	263
12	Forty years of the European Journal of Operational Research: A bibliometric overview. European Journal of Operational Research, 2017, 262, 803-816.	3.5	242
13	A user-oriented implementation of the ELECTRE-TRI method integrating preference elicitation support. Computers and Operations Research, 2000, 27, 757-777.	2.4	240
14	A multicriteria fuzzy linear programming method for water supply system development planning. Fuzzy Sets and Systems, 1986, 19, 217-237.	1.6	228
15	Sequential covering rule induction algorithm for variable consistency rough set approaches. Information Sciences, 2011, 181, 987-1002.	4.0	200
16	Multi-criteria classification "A new scheme for application of dominance-based decision rules. European Journal of Operational Research, 2007, 181, 1030-1044.	3.5	196
17	Building a set of additive value functions representing a reference preorder and intensities of preference: GRIP method. European Journal of Operational Research, 2009, 195, 460-486.	3.5	193
18	ROUGH SET REDUCTION OF ATTRIBUTES AND THEIR DOMAINS FOR NEURAL NETWORKS. Computational Intelligence, 1995, 11, 339-347.	2.1	172

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19	Questions guiding the choice of a multicriteria decision aiding method. EURO Journal on Decision Processes, 2013, 1, 69-97.	1.8	165
20	Robust ordinal regression in preference learning and ranking. Machine Learning, 2013, 93, 381-422.	3.4	161
21	The "Light Beam Search"™ approach "an overview of methodology applications. European Journal of Operational Research, 1999, 113, 300-314.	3.5	155
22	How to support the application of multiple criteria decision analysis? Let us start with a comprehensive taxonomy. Omega, 2020, 96, 102261.	3.6	155
23	Multiple criteria sorting with a set of additive value functions. European Journal of Operational Research, 2010, 207, 1455-1470.	3.5	150
24	Can Bayesian confirmation measures be useful for rough set decision rules?. Engineering Applications of Artificial Intelligence, 2004, 17, 345-361.	4.3	142
25	Fuzzy rough sets and multiple-premise gradual decision rules. International Journal of Approximate Reasoning, 2006, 41, 179-211.	1.9	139
26	Monotonic Variable Consistency Rough Set Approaches. International Journal of Approximate Reasoning, 2009, 50, 979-999.	1.9	137
27	Stochastic dominance-based rough set model for ordinal classification. Information Sciences, 2008, 178, 4019-4037.	4.0	134
28	Multiple Criteria Hierarchy Process with ELECTRE and PROMETHEE. Omega, 2013, 41, 820-846.	3.6	133
29	Rough set approach to multiple criteria classification with imprecise evaluations and assignments. European Journal of Operational Research, 2009, 198, 626-636.	3.5	125
30	Rough classification in incomplete information systems. Mathematical and Computer Modelling, 1989, 12, 1347-1357.	2.0	122
31	Multiobjective network scheduling with efficient use of renewable and nonrenewable resources. European Journal of Operational Research, 1981, 7, 265-273.	3.5	121
32	Parameterized rough set model using rough membership and Bayesian confirmation measures. International Journal of Approximate Reasoning, 2008, 49, 285-300.	1.9	121
33	Computational experience with a backtracking algorithm for solving a general class of precedence and resource-constrained scheduling problems. European Journal of Operational Research, 1990, 49, 68-79.	3.5	120
34	Fuzzy project scheduling system for software development. Fuzzy Sets and Systems, 1994, 67, 101-117.	1.6	118
35	A New Rough Set Approach to Evaluation of Bankruptcy Risk. , 1998, , 121-136.		116
36	Axiomatic characterization of a general utility function and its particular cases in terms of conjoint measurement and rough-set decision rules. European Journal of Operational Research, 2004, 158, 271-292.	3.5	112

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37	Rough classification of patients after highly selective vagotomy for duodenal ulcer. International Journal of Man-Machine Studies, 1986, 24, 413-433.	0.7	111
38	Fuzzy priority heuristics for project scheduling. Fuzzy Sets and Systems, 1996, 83, 291-299.	1.6	110
39	Prediction of company acquisition in Greece by means of the rough set approach. European Journal of Operational Research, 1997, 100, 1-15.	3.5	108
40	DSS for multiobjective project scheduling. European Journal of Operational Research, 1994, 79, 220-229.	3.5	102
41	Robust ordinal regression for multiple criteria group decision: UTAGMS-GROUP and UTADISGMS-GROUP. Decision Support Systems, 2012, 52, 549-561.	3.5	101
42	Multiple Criteria Hierarchy Process for ELECTRE Tri methods. European Journal of Operational Research, 2016, 252, 191-203.	3.5	98
43	A robust ranking method extending ELECTRE III to hierarchy of interacting criteria, imprecise weights and stochastic analysis. Omega, 2017, 73, 1-17.	3.6	96
44	ELECTREGKMS: Robust ordinal regression for outranking methods. European Journal of Operational Research, 2011, 214, 118-135.	3.5	95
45	Multiple Criteria Hierarchy Process in Robust Ordinal Regression. Decision Support Systems, 2012, 53, 660-674.	3.5	95
46	Extreme ranking analysis in robust ordinal regression. Omega, 2012, 40, 488-501.	3.6	95
47	Decision Rule Approach. , 2005, , 507-555.		89
48	A green chemistry-based classification model for the synthesis of silver nanoparticles. Green Chemistry, 2015, 17, 2825-2839.	4.6	88
49	Robust ordinal regression for value functions handling interacting criteria. European Journal of Operational Research, 2014, 239, 711-730.	3.5	87
50	An Algorithm for Induction of Decision Rules Consistent with the Dominance Principle. Lecture Notes in Computer Science, 2001, , 304-313.	1.0	85
51	Interactive analysis of multiple-criteria project scheduling problems. European Journal of Operational Research, 1998, 107, 315-324.	3.5	84
52	Using Choquet integral as preference model in interactive evolutionary multiobjective optimization. European Journal of Operational Research, 2016, 250, 884-901.	3.5	84
53	Selection of a representative value function in robust multiple criteria sorting. Computers and Operations Research, 2011, 38, 1620-1637.	2.4	83
54	Selection of a representative value function in robust multiple criteria ranking and choice. European Journal of Operational Research, 2012, 217, 541-553.	3.5	82

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55	Learning Value Functions in Interactive Evolutionary Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2015, 19, 88-102.	7.5	82
56	Robust Ordinal Regression and Stochastic Multiobjective Acceptability Analysis in multiple criteria hierarchy process for the Choquet integral preference model. Omega, 2016, 63, 154-169.	3.6	80
57	ELECTRE Methods: Main Features and Recent Developments. Applied Optimization, 2010, , 51-89.	0.4	77
58	The Use of Rough Sets and Fuzzy Sets in MCDM. Profiles in Operations Research, 1999, , 397-455.	0.3	75
59	Fuzzy Similarity Relation as a Basis for Rough Approximations. Lecture Notes in Computer Science, 1998, , 283-289.	1.0	73
60	Multicriteria decision support using rules that represent rough-graded preference relations. European Journal of Operational Research, 2008, 188, 206-223.	3.5	73
61	Comparative analysis of targeted metabolomics: Dominance-based rough set approach versus orthogonal partial least square-discriminant analysis. Journal of Biomedical Informatics, 2015, 53, 291-299.	2.5	73
62	Two Approaches to Problems of Resource Allocation Among Project Activities – A Comparative Study. Journal of the Operational Research Society, 1980, 31, 711-723.	2.1	72
63	MULTICRITERIA PROGRAMMING OF WATER SUPPLY SYSTEMS FOR RURAL AREAS. Journal of the American Water Resources Association, 1992, 28, 13-31.	1.0	72
64	Dominance-based Rough Set Approach to decision under uncertainty and time preference. Annals of Operations Research, 2010, 176, 41-75.	2.6	72
65	ROUGH-SET REASONING ABOUT UNCERTAIN DATA. Fundamenta Informaticae, 1996, 27, 229-243.	0.3	70
66	Extension Of The Rough Set Approach To Multicriteria Decision Support. Infor, 2000, 38, 161-195.	0.5	70
67	Rough Sets in Decision Making. , 2009, , 7753-7787.		70
68	Handling Missing Values in Rough Set Analysis of Multi-attribute and Multi-criteria Decision Problems. Lecture Notes in Computer Science, 1999, , 146-157.	1.0	69
69	Mobile clinical support system for pediatric emergencies. Decision Support Systems, 2003, 36, 161-176.	3.5	68
70	Molp with an interactive assessment of a piecewise linear utility function. European Journal of Operational Research, 1987, 31, 350-357.	3.5	65
71	Learning ensemble classifiers for diabetic retinopathy assessment. Artificial Intelligence in Medicine, 2018, 85, 50-63.	3.8	65
72	Dominance-Based Rough Set Approach as a Proper Way of Handling Graduality in Rough Set Theory. , 2007, , 36-52.		62

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73	Inductive discovery of laws using monotonic rules. Engineering Applications of Artificial Intelligence, 2012, 25, 284-294.	4.3	61
74	MUSA-INT: Multicriteria customer satisfaction analysis with interacting criteria. Omega, 2014, 42, 189-200.	3.6	61
75	A New Rough Set Approach to Multicriteria and Multiattribute Classification. Lecture Notes in Computer Science, 1998, , 60-67.	1.0	60
76	Two Approaches to Problems of Resource Allocation among Project Activities -- A Comparative Study. Journal of the Operational Research Society, 1980, 31, 711.	2.1	58
77	Evaluation of vibroacoustic diagnostic symptoms by means of the rough sets theory. Computers in Industry, 1992, 20, 141-152.	5.7	58
78	On Nonparametric Ordinal Classification with Monotonicity Constraints. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 2576-2589.	4.0	58
79	ELECTRE-III-H: An outranking-based decision aiding method for hierarchically structured criteria. Expert Systems With Applications, 2015, 42, 4910-4926.	4.4	58
80	Discriminant versus rough sets approach to vague data analysis. Applied Stochastic Models and Data Analysis, 1992, 8, 43-56.	0.6	56
81	Auto loan fraud detection using dominance-based rough set approach versus machine learning methods. Expert Systems With Applications, 2021, 163, 113740.	4.4	56
82	â€˜Roughdasâ€™™ and â€˜Roughclassâ€™™ Software Implementations of the Rough Sets Approach. , 1992, , 445-456.		55
83	Handling effects of reinforced preference and counter-veto in credibility of outranking. European Journal of Operational Research, 2008, 188, 185-190.	3.5	54
84	ENDER: a statistical framework for boosting decision rules. Data Mining and Knowledge Discovery, 2010, 21, 52-90.	2.4	54
85	Robust Ordinal Regression for Dominance-based Rough Set Approach to multiple criteria sorting. Information Sciences, 2014, 283, 211-228.	4.0	54
86	Rough set learning of preferential attitude in multi-criteria decision making. Lecture Notes in Computer Science, 1993, , 642-651.	1.0	54
87	Algorithm 520: An Automatic Revised Simplex Method for Constrained Resource Network Scheduling [H]. ACM Transactions on Mathematical Software, 1977, 3, 295-300.	1.6	53
88	Rough Set Analysis of Preference-Ordered Data. Lecture Notes in Computer Science, 2002, , 44-59.	1.0	53
89	Recommending multiple criteria decision analysis methods with a new taxonomy-based decision support system. European Journal of Operational Research, 2022, 302, 633-651.	3.5	53
90	Properties of rule interestingness measures and alternative approaches to normalization of measures. Information Sciences, 2012, 216, 1-16.	4.0	52

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91	Rough Set Based Decision Support. , 2005, , 475-527.		52
92	Incremental Induction of Decision Rules from Dominance-based Rough Approximations. Electronic Notes in Theoretical Computer Science, 2003, 82, 40-51.	0.9	51
93	Variable consistency dominance-based rough set approach to preference learning in multicriteria ranking. Information Sciences, 2014, 277, 525-552.	4.0	50
94	Modeling assignment-based pairwise comparisons within integrated framework for value-driven multiple criteria sorting. European Journal of Operational Research, 2015, 241, 830-841.	3.5	50
95	Putting Dominance-based Rough Set Approach and robust ordinal regression together. Decision Support Systems, 2013, 54, 891-903.	3.5	49
96	Dominance-Based Rough Set Approach to Interactive Multiobjective Optimization. Lecture Notes in Computer Science, 2008, , 121-155.	1.0	47
97	Robust Ordinal Regression. Profiles in Operations Research, 2010, , 241-283.	0.3	47
98	Preference disaggregation within the regularization framework for sorting problems with multiple potentially non-monotonic criteria. European Journal of Operational Research, 2019, 276, 1071-1089.	3.5	47
99	Measuring expected effects of interventions based on decision rules. Journal of Experimental and Theoretical Artificial Intelligence, 2005, 17, 103-118.	1.8	46
100	Preemptive scheduling of independent jobs on parallel machines subject to financial constraints. European Journal of Operational Research, 1984, 15, 366-373.	3.5	45
101	Rough set and rule-based multicriteria decision aiding. Pesquisa Operacional, 2012, 32, 213-270.	0.1	45
102	RUTA: A framework for assessing and selecting additive value functions on the basis of rank related requirements. Omega, 2013, 41, 735-751.	3.6	45
103	Pareto Simulated Annealing for Fuzzy Multi-Objective Combinatorial Optimization. Journal of Heuristics, 2000, 6, 329-345.	1.1	44
104	Supporting triage of children with abdominal pain in the emergency room. European Journal of Operational Research, 2005, 160, 696-709.	3.5	42
105	Fuzzy versus stochastic approaches to multicriteria linear programming under uncertainty. Naval Research Logistics, 1988, 35, 673-695.	1.4	41
106	Multiple criteria hierarchy process for sorting problems based on ordinal regression with additive value functions. Annals of Operations Research, 2017, 251, 117-139.	2.6	41
107	Selection of a Representative Value Function for Robust Ordinal Regression in Group Decision Making. Group Decision and Negotiation, 2013, 22, 429-462.	2.0	40
108	jMAF - Dominance-Based Rough Set Data Analysis Framework. Intelligent Systems Reference Library, 2013, , 185-209.	1.0	39

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109	From the farm to the agri-food system: A multiple criteria framework to evaluate extended multi-functional value. <i>Ecological Indicators</i> , 2017, 79, 91-102.	2.6	39
110	Transaction and interaction behavior-based consensus model and its application to optimal carbon emission reduction. <i>Omega</i> , 2021, 104, 102491.	3.6	38
111	Rough Set Processing of Vague Information Using Fuzzy Similarity Relations. , 2000, , 149-173.		38
112	Optimization of multiple satisfaction levels in portfolio decision analysis. <i>Omega</i> , 2018, 78, 192-204.	3.6	36
113	Preference disaggregation for multiple criteria sorting with partial monotonicity constraints: Application to exposure management of nanomaterials. <i>International Journal of Approximate Reasoning</i> , 2020, 117, 60-80.	1.9	36
114	Dominance-Based Rough Set Approach to Reasoning About Ordinal Data. <i>Lecture Notes in Computer Science</i> , 2007, , 5-11.	1.0	36
115	Mining Pareto-optimal rules with respect to support and confirmation or support and anti-support. <i>Engineering Applications of Artificial Intelligence</i> , 2007, 20, 587-600.	4.3	35
116	Dominance-Based Rough Set Approach to Case-Based Reasoning. <i>Lecture Notes in Computer Science</i> , 2006, , 7-18.	1.0	35
117	Sensitivity analysis of rough classification. <i>International Journal of Man-Machine Studies</i> , 1990, 32, 693-705.	0.7	34
118	Interactive Evolutionary Multiobjective Optimization Using Robust Ordinal Regression. <i>Lecture Notes in Computer Science</i> , 2009, , 554-568.	1.0	34
119	DIS-CARD: a new method of multiple criteria sorting to classes with desired cardinality. <i>Journal of Global Optimization</i> , 2013, 56, 1143-1166.	1.1	34
120	Robustness analysis of a green chemistry-based model for the classification of silver nanoparticles synthesis processes. <i>Journal of Cleaner Production</i> , 2017, 162, 938-948.	4.6	34
121	Interactive Multiobjective Optimization from a Learning Perspective. <i>Lecture Notes in Computer Science</i> , 2008, , 405-433.	1.0	34
122	Possibility and necessity measure specification using modifiers for decision making under fuzziness. <i>Fuzzy Sets and Systems</i> , 2003, 137, 151-175.	1.6	33
123	Rule learning with monotonicity constraints. , 2009, , .		33
124	Decision Rule Approach. <i>Profiles in Operations Research</i> , 2016, , 497-552.	0.3	33
125	Preference Representation by Means of Conjoint Measurement and Decision Rule Model. <i>Profiles in Operations Research</i> , 2002, , 263-313.	0.3	32
126	Customer satisfaction analysis based on rough set approach. <i>Journal of Business Economics</i> , 2007, 77, 325-339.	1.3	31

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127	Dominance-Based Rough Set Approach Using Possibility and Necessity Measures. Lecture Notes in Computer Science, 2002, , 85-92.	1.0	31
128	Fuzzy Extension of the Rough Set Approach to Multicriteria and Multiattribute Sorting. Studies in Fuzziness and Soft Computing, 2000, , 131-151.	0.6	31
129	A Graded Quadrivalent Logic for Ordinal Preference Modelling: Loyola's Like Approach. Fuzzy Optimization and Decision Making, 2002, 1, 93-111.	3.4	30
130	Antimicrobial Activity and SAR Study of New Gemini Imidazolium-Based Chlorides. Chemical Biology and Drug Design, 2014, 83, 278-288.	1.5	29
131	Handling Various Types of Uncertainty in the Rough Set Approach. Workshops in Computing, 1994, , 366-376.	0.4	29
132	Preferential reducts and constructs in robust multiple criteria ranking and sorting. OR Spectrum, 2014, 36, 1021-1053.	2.1	28
133	Exploitation of a Rough Approximation of the Outranking Relation in Multicriteria Choice and Ranking. Lecture Notes in Economics and Mathematical Systems, 1998, , 45-60.	0.3	28
134	Rough Set Approach to Multi-Attribute Choice and Ranking Problems. Lecture Notes in Economics and Mathematical Systems, 1997, , 318-329.	0.3	28
135	Dominance-Based Rough Set Approach to Knowledge Discovery (I): General Perspective. , 2004, , 513-552.		28
136	Learning Decision Rules from Similarity Based Rough Approximations. Studies in Fuzziness and Soft Computing, 1998, , 37-54.	0.6	27
137	Generalized Decision Algorithms, Rough Inference Rules, and Flow Graphs. Lecture Notes in Computer Science, 2002, , 93-104.	1.0	27
138	Beyond Markowitz with multiple criteria decision aiding. Journal of Business Economics, 2013, 83, 29-60.	1.3	27
139	Rough sets analysis of diagnostic capacity of vibroacoustic symptoms. Computers and Mathematics With Applications, 1992, 24, 109-123.	1.4	26
140	A DSS for Resource-Constrained Project Scheduling under Uncertainty. Journal of Decision Systems, 1993, 2, 111-128.	2.2	26
141	Multiple criteria ranking and choice with all compatible minimal cover sets of decision rules. Knowledge-Based Systems, 2015, 89, 569-583.	4.0	26
142	Fuzzy extensions of the dominance-based rough set approach. International Journal of Approximate Reasoning, 2021, 129, 1-19.	1.9	26
143	Maximum likelihood rule ensembles. , 2008, , .		25
144	Dominance-Based Rough Set Approach to Budget Allocation in Highway Maintenance Activities. Journal of Infrastructure Systems, 2011, 17, 75-85.	1.0	25

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145	Post factum analysis for robust multiple criteria ranking and sorting. Journal of Global Optimization, 2016, 65, 531-562.	1.1	25
146	Rough-Set-Based Decision Support. , 2014, , 557-609.		25
147	Incremental versus Non-incremental Rule Induction for Multicriteria Classification. Lecture Notes in Computer Science, 2004, , 33-53.	1.0	25
148	Interactive Multiobjective Optimization Using a Set of Additive Value Functions. Lecture Notes in Computer Science, 2008, , 97-119.	1.0	24
149	Learning Rule Ensembles for Ordinal Classification with Monotonicity Constraints. Fundamenta Informaticae, 2009, 94, 163-178.	0.3	24
150	Measures of rule interestingness in various perspectives of confirmation. Information Sciences, 2016, 346-347, 216-235.	4.0	24
151	Robustness analysis for decision under uncertainty with rule-based preference model. Information Sciences, 2016, 328, 321-339.	4.0	24
152	Granular Computing and Data Mining for Ordered Data: The Dominance-Based Rough Set Approach. , 2009, , 4283-4305.		24
153	Selection of a representative set of parameters for robust ordinal regression outranking methods. Computers and Operations Research, 2012, 39, 2500-2519.	2.4	22
154	Parametric evaluation of research units with respect to reference profiles. Decision Support Systems, 2015, 72, 33-43.	3.5	22
155	Handling imprecise evaluations in multiple criteria decision aiding and robust ordinal regression by n-point intervals. Fuzzy Optimization and Decision Making, 2017, 16, 127-157.	3.4	22
156	Preference-based cone contraction algorithms for interactive evolutionary multiple objective optimization. Swarm and Evolutionary Computation, 2020, 52, 100602.	4.5	22
157	Bayesian Decision Theory for Dominance-Based Rough Set Approach. , 2007, , 134-141.		22
158	Development of a Decision Algorithm to Support Emergency Triage of Scrotal Pain and its Implementation in the met system. Infor, 2005, 43, 287-301.	0.5	19
159	Rough set approach to the evaluation of stormwater pollution. International Journal of Environment and Pollution, 1999, 12, 232.	0.2	18
160	Interactive Evolutionary Multiobjective Optimization using Dominance-based Rough Set Approach. , 2010, , .		18
161	Global investing risk: a case study of knowledge assessment via rough sets. Annals of Operations Research, 2011, 185, 105-138.	2.6	18
162	Probabilistic Rough Sets. , 2015, , 387-411.		18

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163	Generation of rough sets reducts and constructs based on inter-class and intra-class information. Fuzzy Sets and Systems, 2015, 274, 124-142.	1.6	18
164	Ordinal Classification with Decision Rules. , 2007, , 169-181.		18
165	Statistical Model for Rough Set Approach to Multicriteria Classification. Lecture Notes in Computer Science, 2007, , 164-175.	1.0	18
166	Use Of Rough Sets Analysis To Classify Siberian Forest Ecosystems According To Net Primary Production Of Phytomass. Infor, 2000, 38, 145-160.	0.5	17
167	On Variable Consistency Dominance-Based Rough Set Approaches. Lecture Notes in Computer Science, 2006, , 191-202.	1.0	17
168	INTERACTIVE ROBUST CONE CONTRACTION METHOD FOR MULTIPLE OBJECTIVE OPTIMIZATION PROBLEMS. International Journal of Information Technology and Decision Making, 2012, 11, 327-357.	2.3	17
169	Dominance-Based Rough Set Approach to Decision Involving Multiple Decision Makers. Lecture Notes in Computer Science, 2006, , 306-317.	1.0	17
170	Variable Consistency Monotonic Decision Trees. Lecture Notes in Computer Science, 2002, , 247-254.	1.0	17
171	The LBS-Discrete Interactive Procedure for Multiple-Criteria Analysis of Decision Problems. , 1997, , 320-330.		16
172	Cone contraction method with visual interaction for multipleâ€œobjective nonâ€œlinear programmes. Journal of Multi-Criteria Decision Analysis, 1992, 1, 29-46.	1.0	15
173	Triage of the child with abdominal pain: A clinical algorithm for emergency patient management. Paediatrics and Child Health, 2001, 6, 23-28.	0.3	15
174	Granular Computing for Reasoning about Ordered Data: The Dominance-Based Rough Set Approach. , 0, , 347-373.		15
175	Machine-learned models using hematological inflammation markers in the prediction of short-term acute coronary syndrome outcomes. Journal of Translational Medicine, 2018, 16, 334.	1.8	15
176	Empirical risk minimization for dominance-based rough set approaches. Information Sciences, 2021, 567, 395-417.	4.0	15
177	Additive Preference Model with Piecewise Linear Components Resulting from Dominance-Based Rough Set Approximations. Lecture Notes in Computer Science, 2006, , 499-508.	1.0	15
178	A New Proposal for Fuzzy Rough Approximations and Gradual Decision Rule Representation. Lecture Notes in Computer Science, 2004, , 319-342.	1.0	15
179	Rule-Based Estimation of Attribute Relevance. Lecture Notes in Computer Science, 2011, , 36-44.	1.0	15
180	The Light Beam Search â€œ Outranking Based Interactive Procedure for Multiple-Objective Mathematical Programming. Nonconvex Optimization and Its Applications, 1995, , 129-146.	0.1	14

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181	Inducing probability distributions on the set of value functions by Subjective Stochastic Ordinal Regression. Knowledge-Based Systems, 2016, 112, 26-36.	4.0	14
182	Supporting contaminated sites management with Multiple Criteria Decision Analysis: Demonstration of a regulation-consistent approach. Journal of Cleaner Production, 2021, 316, 128347.	4.6	14
183	Dominance-Based Rough Set Approach to Knowledge Discovery (II): Extensions and Applications. , 2004, , 553-612.		13
184	Designing man-machine interactions for mobile clinical systems: MET triage support using Palm handhelds. European Journal of Operational Research, 2007, 177, 1409-1417.	3.5	13
185	Prediction of Antifungal Activity of Gemini Imidazolium Compounds. BioMed Research International, 2015, 2015, 1-10.	0.9	13
186	Monotonic Variable Consistency Rough Set Approaches. , 2007, , 126-133.		13
187	Generating a set of association and decision rules with statistically representative support and anti-support. Information Sciences, 2014, 277, 56-70.	4.0	12
188	Robust ordinal regression for decision under risk and uncertainty. Journal of Business Economics, 2016, 86, 55-83.	1.3	12
189	Preference disaggregation method for value-based multi-decision sorting problems with a real-world application in nanotechnology. Knowledge-Based Systems, 2021, 218, 106879.	4.0	12
190	Analysis of Symmetry Properties for Bayesian Confirmation Measures. Lecture Notes in Computer Science, 2012, , 207-214.	1.0	12
191	The Bipolar Complemented de Morgan Brouwer-Zadeh Distributive Lattice as an Algebraic Structure for the Dominance-based Rough Set Approach. Fundamenta Informaticae, 2012, 115, 25-56.	0.3	11
192	Rough Set Methodology for Decision Aiding. , 2015, , 349-370.		11
193	Optimization of pellets manufacturing process using rough set theory. European Journal of Pharmaceutical Sciences, 2018, 124, 295-303.	1.9	11
194	Second-Order Rough Approximations in Multi-criteria Classification with Imprecise Evaluations and Assignments. Lecture Notes in Computer Science, 2005, , 54-63.	1.0	11
195	Generalizing Rough Set Theory Through Dominance-Based Rough Set Approach. Lecture Notes in Computer Science, 2005, , 1-11.	1.0	11
196	Solving Regression by Learning an Ensemble of Decision Rules. Lecture Notes in Computer Science, 2008, , 533-544.	1.0	11
197	Fuzzy Set Extensions of the Dominance-Based Rough Set Approach. , 2008, , 239-261.		11
198	Learning of Rule Ensembles for Multiple Attribute Ranking Problems. , 2010, , 217-247.		11

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199	Algebra and Topology for Dominance-Based Rough Set Approach. Studies in Computational Intelligence, 2010, , 43-78.	0.7	10
200	Multiple Criteria Hierarchy Process for the Choquet Integral. Lecture Notes in Computer Science, 2013, , 475-489.	1.0	10
201	With a little help from a computer. Medicine (United States), 2017, 96, e7635.	0.4	10
202	Granular representation of OWA-based fuzzy rough sets. Fuzzy Sets and Systems, 2022, 440, 112-130.	1.6	10
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