

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	Granular representation of OWA-based fuzzy rough sets. <i>Fuzzy Sets and Systems</i> , 2022, 440, 112-130.	1.6	10
2	Aggregation of Stochastic Rankings in Group Decision Making. <i>Studies in Systems, Decision and Control</i> , 2022, , 83-101.	0.8	0
3	Recommending multiple criteria decision analysis methods with a new taxonomy-based decision support system. <i>European Journal of Operational Research</i> , 2022, 302, 633-651.	3.5	53
4	Auto loan fraud detection using dominance-based rough set approach versus machine learning methods. <i>Expert Systems With Applications</i> , 2021, 163, 113740.	4.4	56
5	Fuzzy extensions of the dominance-based rough set approach. <i>International Journal of Approximate Reasoning</i> , 2021, 129, 1-19.	1.9	26
6	The hierarchical SMAA-PROMETHEE method applied to assess the sustainability of European cities. <i>Applied Intelligence</i> , 2021, 51, 6430-6448.	3.3	9
7	Preference disaggregation method for value-based multi-decision sorting problems with a real-world application in nanotechnology. <i>Knowledge-Based Systems</i> , 2021, 218, 106879.	4.0	12
8	Structure-Activity Relationships of the Imidazolium Compounds as Antibacterials of <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 7997.	1.8	2
9	Empirical risk minimization for dominance-based rough set approaches. <i>Information Sciences</i> , 2021, 567, 395-417.	4.0	15
10	Supporting contaminated sites management with Multiple Criteria Decision Analysis: Demonstration of a regulation-consistent approach. <i>Journal of Cleaner Production</i> , 2021, 316, 128347.	4.6	14
11	Transaction and interaction behavior-based consensus model and its application to optimal carbon emission reduction. <i>Omega</i> , 2021, 104, 102491.	3.6	38
12	Multiple Criteria Decision Support. , 2021, , 893-920.		4
13	Can AI Help Pediatricians? Diagnosing Kawasaki Disease Using DRSA. <i>Children</i> , 2021, 8, 929.	0.6	0
14	Preference-based cone contraction algorithms for interactive evolutionary multiple objective optimization. <i>Swarm and Evolutionary Computation</i> , 2020, 52, 100602.	4.5	22
15	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
16	Application of Dominance-Based Rough Set Approach for Optimization of Pellets Tableting Process. <i>Pharmaceutics</i> , 2020, 12, 1024.	2.0	5
17	How to support the application of multiple criteria decision analysis? Let us start with a comprehensive taxonomy. <i>Omega</i> , 2020, 96, 102261.	3.6	155
18	Rough Sets Meet Statistics - A New View on Rough Set Reasoning About Numerical Data. <i>Lecture Notes in Computer Science</i> , 2020, , 78-92.	1.0	0

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19	Preference disaggregation within the regularization framework for sorting problems with multiple potentially non-monotonic criteria. <i>European Journal of Operational Research</i> , 2019, 276, 1071-1089.	3.5	47
20	Interpretation of Variable Consistency Dominance-Based Rough Set Approach by Minimization of Asymmetric Loss Function. <i>Lecture Notes in Computer Science</i> , 2019, , 135-145.	1.0	1
21	Granular Computing and Data Mining for Ordered Data: The Dominance-Based Rough Set Approach. , 2019, , 1-30.		0
22	Bernard Roy (1934-2017). <i>European Journal of Operational Research</i> , 2018, 266, 392-393.	3.5	0
23	Optimization of multiple satisfaction levels in portfolio decision analysis. <i>Omega</i> , 2018, 78, 192-204.	3.6	36
24	Learning ensemble classifiers for diabetic retinopathy assessment. <i>Artificial Intelligence in Medicine</i> , 2018, 85, 50-63.	3.8	65
25	Distinguishing Vagueness from Ambiguity in Rough Set Approximations. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2018, 26, 89-125.	0.9	3
26	Machine-learned models using hematological inflammation markers in the prediction of short-term acute coronary syndrome outcomes. <i>Journal of Translational Medicine</i> , 2018, 16, 334.	1.8	15
27	Optimization of pellets manufacturing process using rough set theory. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 124, 295-303.	1.9	11
28	Interactive Cone Contraction for Evolutionary Multiple Objective Optimization. <i>Studies in Computational Intelligence</i> , 2018, , 293-309.	0.7	1
29	Multiple criteria hierarchy process for sorting problems based on ordinal regression with additive value functions. <i>Annals of Operations Research</i> , 2017, 251, 117-139.	2.6	41
30	Handling imprecise evaluations in multiple criteria decision aiding and robust ordinal regression by n-point intervals. <i>Fuzzy Optimization and Decision Making</i> , 2017, 16, 127-157.	3.4	22
31	Forty years of the <i>European Journal of Operational Research</i> : A bibliometric overview. <i>European Journal of Operational Research</i> , 2017, 262, 803-816.	3.5	242
32	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
33	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
34	A robust ranking method extending ELECTRE III to hierarchy of interacting criteria, imprecise weights and stochastic analysis. <i>Omega</i> , 2017, 73, 1-17.	3.6	96
35	With a little help from a computer. <i>Medicine (United States)</i> , 2017, 96, e7635.	0.4	10
36	Rough Set Analysis of Classification Data with Missing Values. <i>Lecture Notes in Computer Science</i> , 2017, , 552-565.	1.0	4

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37	Distinguishing Vagueness from Ambiguity in Dominance-Based Rough Set Approach by Means of a Bipolar Pawlak-Brouwer-Zadeh Lattice. Lecture Notes in Computer Science, 2017, , 81-93.	1.0	1
38	Measures of rule interestingness in various perspectives of confirmation. Information Sciences, 2016, 346-347, 216-235.	4.0	24
39	Using Choquet integral as preference model in interactive evolutionary multiobjective optimization. European Journal of Operational Research, 2016, 250, 884-901.	3.5	84
40	Inducing probability distributions on the set of value functions by Subjective Stochastic Ordinal Regression. Knowledge-Based Systems, 2016, 112, 26-36.	4.0	14
41	Consistency Driven Feature Subspace Aggregating for Ordinal Classification. Lecture Notes in Computer Science, 2016, , 580-589.	1.0	1
42	Robust ordinal regression for decision under risk and uncertainty. Journal of Business Economics, 2016, 86, 55-83.	1.3	12
43	Post factum analysis for robust multiple criteria ranking and sorting. Journal of Global Optimization, 2016, 65, 531-562.	1.1	25
44	Decision Rule Approach. Profiles in Operations Research, 2016, , 497-552.	0.3	33
45	Multiple Criteria Hierarchy Process for ELECTRE Tri methods. European Journal of Operational Research, 2016, 252, 191-203.	3.5	98
46	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
47	Robustness analysis for decision under uncertainty with rule-based preference model. Information Sciences, 2016, 328, 321-339.	4.0	24
48	Dominance-Based Rough Set Approach to Multiple Criteria Ranking with Sorting-Specific Preference Information. Studies in Computational Intelligence, 2016, , 155-171.	0.7	2
49	Multi-objective Search for Comprehensible Rule Ensembles. Lecture Notes in Computer Science, 2016, , 503-513.	1.0	1
50	Similarity-Based Classification with Dominance-Based Decision Rules. Lecture Notes in Computer Science, 2016, , 355-364.	1.0	1
51	Prediction of Antifungal Activity of Gemini Imidazolium Compounds. BioMed Research International, 2015, 2015, 1-10.	0.9	13
52	Rough Set Methodology for Decision Aiding. , 2015, , 349-370.		11
53	A green chemistry-based classification model for the synthesis of silver nanoparticles. Green Chemistry, 2015, 17, 2825-2839.	4.6	88
54	Semantic interoperability for automated enterprises. Enterprise Information Systems, 2015, 9, 300-302.	3.3	2

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55	Parametric evaluation of research units with respect to reference profiles. <i>Decision Support Systems</i> , 2015, 72, 33-43.	3.5	22
56	Probabilistic Rough Sets. , 2015, , 387-411.		18
57	Comparative analysis of targeted metabolomics: Dominance-based rough set approach versus orthogonal partial least square-discriminant analysis. <i>Journal of Biomedical Informatics</i> , 2015, 53, 291-299.	2.5	73
58	ELECTRE-III-H: An outranking-based decision aiding method for hierarchically structured criteria. <i>Expert Systems With Applications</i> , 2015, 42, 4910-4926.	4.4	58
59	Multiple criteria ranking and choice with all compatible minimal cover sets of decision rules. <i>Knowledge-Based Systems</i> , 2015, 89, 569-583.	4.0	26
60	Modeling assignment-based pairwise comparisons within integrated framework for value-driven multiple criteria sorting. <i>European Journal of Operational Research</i> , 2015, 241, 830-841.	3.5	50
61	Learning Value Functions in Interactive Evolutionary Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2015, 19, 88-102.	7.5	82
62	Generation of rough sets reducts and constructs based on inter-class and intra-class information. <i>Fuzzy Sets and Systems</i> , 2015, 274, 124-142.	1.6	18
63	Rough Sets in Decision Making. , 2015, , 1-47.		0
64	Learning the Preferences of Physicians for the Organization of Result Lists of Medical Evidence Articles. <i>Methods of Information in Medicine</i> , 2014, 53, 344-356.	0.7	8
65	Application of Rough Set Theory to Prediction of Antimicrobial Activity of Bis-Quaternary Imidazolium Chlorides. <i>Fundamenta Informaticae</i> , 2014, 132, 315-330.	0.3	3
66	Robust Ordinal Regression for Dominance-Based Rough Set Approach under Uncertainty. <i>Lecture Notes in Computer Science</i> , 2014, , 77-87.	1.0	4
67	Antimicrobial Activity and <sc>SAR</sc> Study of New Gemini Imidazolium-Based Chlorides. <i>Chemical Biology and Drug Design</i> , 2014, 83, 278-288.	1.5	29
68	Generating a set of association and decision rules with statistically representative support and anti-support. <i>Information Sciences</i> , 2014, 277, 56-70.	4.0	12
69	Preferential reducts and constructs in robust multiple criteria ranking and sorting. <i>OR Spectrum</i> , 2014, 36, 1021-1053.	2.1	28
70	MUSA-INT: Multicriteria customer satisfaction analysis with interacting criteria. <i>Omega</i> , 2014, 42, 189-200.	3.6	61
71	Robust Ordinal Regression for Dominance-based Rough Set Approach to multiple criteria sorting. <i>Information Sciences</i> , 2014, 283, 211-228.	4.0	54
72	Variable consistency dominance-based rough set approach to preference learning in multicriteria ranking. <i>Information Sciences</i> , 2014, 277, 525-552.	4.0	50

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73	Robust ordinal regression for value functions handling interacting criteria. European Journal of Operational Research, 2014, 239, 711-730.	3.5	87
74	Rough-Set-Based Decision Support. , 2014, , 557-609.		25
75	A Rough Set Approach to Novel Compounds Activity Prediction Based on Surface Active Properties and Molecular Descriptors. Lecture Notes in Computer Science, 2014, , 153-160.	1.0	0
76	DIS-CARD: a new method of multiple criteria sorting to classes with desired cardinality. Journal of Global Optimization, 2013, 56, 1143-1166.	1.1	34
77	Robust ordinal regression in preference learning and ranking. Machine Learning, 2013, 93, 381-422.	3.4	161
78	jMAF - Dominance-Based Rough Set Data Analysis Framework. Intelligent Systems Reference Library, 2013, , 185-209.	1.0	39
79	Beyond Markowitz with multiple criteria decision aiding. Journal of Business Economics, 2013, 83, 29-60.	1.3	27
80	Questions guiding the choice of a multicriteria decision aiding method. EURO Journal on Decision Processes, 2013, 1, 69-97.	1.8	165
81	Comments on: Multicriteria decision systems for financial problems. Top, 2013, 21, 268-274.	1.1	2
82	Multiple Criteria Hierarchy Process with ELECTRE and PROMETHEE. Omega, 2013, 41, 820-846.	3.6	133
83	On Nonparametric Ordinal Classification with Monotonicity Constraints. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 2576-2589.	4.0	58
84	Multiple Criteria Hierarchy Process for the Choquet Integral. Lecture Notes in Computer Science, 2013, , 475-489.	1.0	10
85	Putting Dominance-based Rough Set Approach and robust ordinal regression together. Decision Support Systems, 2013, 54, 891-903.	3.5	49
86	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
87	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
88	An Overview of ELECTRE Methods and their Recent Extensions. Journal of Multi-Criteria Decision Analysis, 2013, 20, 61-85.	1.0	263
89	A Novel Method for Elimination of Inconsistencies in Ordinal Classification with Monotonicity Constraints. Fundamenta Informaticae, 2013, 126, 377-395.	0.3	7
90	Finding Meaningful Bayesian Confirmation Measures. Fundamenta Informaticae, 2013, 127, 161-176.	0.3	8

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91	Professor Zdzisław Pawlak (1926-2006): Founder of the Polish School of Artificial Intelligence. Intelligent Systems Reference Library, 2013, , 1-56.	1.0	4
92	Empirical Risk Minimization for Variable Precision Dominance-Based Rough Set Approach. Lecture Notes in Computer Science, 2013, , 133-144.	1.0	5
93	Towards Telemedical Centers. , 2013, , 805-829.		2
94	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
95	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
96	Properties of rule interestingness measures and alternative approaches to normalization of measures. Information Sciences, 2012, 216, 1-16.	4.0	52
97	Multiple Criteria Hierarchy Process in Robust Ordinal Regression. Decision Support Systems, 2012, 53, 660-674.	3.5	95
98	Label Ranking: A New Rule-Based Label Ranking Method. Communications in Computer and Information Science, 2012, , 613-623.	0.4	6
99	Rough set and rule-based multicriteria decision aiding. Pesquisa Operacional, 2012, 32, 213-270.	0.1	45
100	Selection of a representative set of parameters for robust ordinal regression outranking methods. Computers and Operations Research, 2012, 39, 2500-2519.	2.4	22
101	Robust ordinal regression for multiple criteria group decision: UTAGMS-GROUP and UTADISGMS-GROUP. Decision Support Systems, 2012, 52, 549-561.	3.5	101
102	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
103	Inductive discovery of laws using monotonic rules. Engineering Applications of Artificial Intelligence, 2012, 25, 284-294.	4.3	61
104	Extreme ranking analysis in robust ordinal regression. Omega, 2012, 40, 488-501.	3.6	95
105	On Different Ways of Handling Inconsistencies in Ordinal Classification with Monotonicity Constraints. Communications in Computer and Information Science, 2012, , 300-309.	0.4	2
106	Application of Rough Set Theory to Prediction of Antimicrobial Activity of Bis-quaternary Ammonium Chlorides. Lecture Notes in Computer Science, 2012, , 107-116.	1.0	3
107	Induction of Ordinal Classification Rules from Incomplete Data. Lecture Notes in Computer Science, 2012, , 56-65.	1.0	7
108	Extending Concordance and Discordance Relations to Hierarchical Sets of Criteria in ELECTRE-III Method. Lecture Notes in Computer Science, 2012, , 78-89.	1.0	3

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109	Granular Computing and Data Mining for Ordered Data: The Dominance-Based Rough Set Approach. , 2012, , 1347-1368.		0
110	Discovering the Preferences of Physicians with Regards to Rank-Ordered Medical Documents. Communications in Computer and Information Science, 2012, , 142-150.	0.4	0
111	Rough Sets in Decision Making. , 2012, , 2727-2760.		6
112	Distinguishing Vagueness from Ambiguity by Means of Pawlak-Brouwer-Zadeh Lattices. Communications in Computer and Information Science, 2012, , 624-632.	0.4	1
113	Analysis of Symmetry Properties for Bayesian Confirmation Measures. Lecture Notes in Computer Science, 2012, , 207-214.	1.0	12
114	Dominance-Based Rough Set Approach to Budget Allocation in Highway Maintenance Activities. Journal of Infrastructure Systems, 2011, 17, 75-85.	1.0	25
115	Global investing risk: a case study of knowledge assessment via rough sets. Annals of Operations Research, 2011, 185, 105-138.	2.6	18
116	Sequential covering rule induction algorithm for variable consistency rough set approaches. Information Sciences, 2011, 181, 987-1002.	4.0	200
117	Selection of a representative value function in robust multiple criteria sorting. Computers and Operations Research, 2011, 38, 1620-1637.	2.4	83
118	ELECTREGKMS: Robust ordinal regression for outranking methods. European Journal of Operational Research, 2011, 214, 118-135.	3.5	95
119	Interactive Multiobjective Mixed-Integer Optimization Using Dominance-Based Rough Set Approach. Lecture Notes in Computer Science, 2011, , 241-253.	1.0	3
120	Dominance-Based Rough Set Approach on Pairwise Comparison Tables to Decision Involving Multiple Decision Makers. Lecture Notes in Computer Science, 2011, , 126-135.	1.0	10
121	Rule-Based Estimation of Attribute Relevance. Lecture Notes in Computer Science, 2011, , 36-44.	1.0	15
122	Case-Based Reasoning Using Dominance-Based Decision Rules. Lecture Notes in Computer Science, 2011, , 404-413.	1.0	2
123	Dominance-Based Rough Set Approach to Interactive Evolutionary Multiobjective Optimization. Studies in Fuzziness and Soft Computing, 2010, , 225-260.	0.6	7
124	Dominance-based Rough Set Approach to decision under uncertainty and time preference. Annals of Operations Research, 2010, 176, 41-75.	2.6	72
125	ENDER: a statistical framework for boosting decision rules. Data Mining and Knowledge Discovery, 2010, 21, 52-90.	2.4	54
126	Multiple criteria sorting with a set of additive value functions. European Journal of Operational Research, 2010, 207, 1455-1470.	3.5	150

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127	Probabilistic Rough Set Approaches to Ordinal Classification with Monotonicity Constraints. Lecture Notes in Computer Science, 2010, , 99-108.	1.0	4
128	Interactive Evolutionary Multiobjective Optimization using Dominance-based Rough Set Approach. , 2010, , .		18
129	Robust Ordinal Regression. Profiles in Operations Research, 2010, , 241-283.	0.3	47
130	ELECTRE Methods: Main Features and Recent Developments. Applied Optimization, 2010, , 51-89.	0.4	77
131	Algebra and Topology for Dominance-Based Rough Set Approach. Studies in Computational Intelligence, 2010, , 43-78.	0.7	10
132	Variable Consistency Bagging Ensembles. Lecture Notes in Computer Science, 2010, , 40-52.	1.0	10
133	New Applications and Theoretical Foundations of the Dominance-based Rough Set Approach. Lecture Notes in Computer Science, 2010, , 2-3.	1.0	4
134	Ordinal Classification with Monotonicity Constraints by Variable Consistency Bagging. Lecture Notes in Computer Science, 2010, , 392-401.	1.0	6
135	Learning of Rule Ensembles for Multiple Attribute Ranking Problems. , 2010, , 217-247.		11
136	On Topological Dominance-based Rough Set Approach. Lecture Notes in Computer Science, 2010, , 21-45.	1.0	8
137	Dominance-Based Rough Set Approach to Granular Computing. , 2010, , 439-496.		2
138	Ordinal Qualitative Scales. Lecture Notes in Economics and Mathematical Systems, 2010, , 269-276.	0.3	0
139	Learnability in Rough Set Approaches. Lecture Notes in Computer Science, 2010, , 402-411.	1.0	2
140	Beyond Sequential Covering " Boosted Decision Rules. Studies in Computational Intelligence, 2010, , 209-225.	0.7	2
141	Alternative Normalization Schemas for Bayesian Confirmation Measures. Lecture Notes in Computer Science, 2010, , 230-239.	1.0	0
142	Learning Rule Ensembles for Ordinal Classification with Monotonicity Constraints. Fundamenta Informaticae, 2009, 94, 163-178.	0.3	24
143	Rule learning with monotonicity constraints. , 2009, , .		33
144	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

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145	Rough set approach to multiple criteria classification with imprecise evaluations and assignments. European Journal of Operational Research, 2009, 198, 626-636.	3.5	125
146	Monotonic Variable Consistency Rough Set Approaches. International Journal of Approximate Reasoning, 2009, 50, 979-999.	1.9	137
147	Interactive Evolutionary Multiobjective Optimization Using Robust Ordinal Regression. Lecture Notes in Computer Science, 2009, , 554-568.	1.0	34
148	Granular Computing and Data Mining for Ordered Data: The Dominance-Based Rough Set Approach. , 2009, , 4283-4305.		24
149	Rough Sets in Decision Making. , 2009, , 7753-7787.		70
150	The Possible and the Necessary for Multiple Criteria Group Decision. Lecture Notes in Computer Science, 2009, , 203-214.	1.0	5
151	Rough Set Approach to Knowledge Discovery about Preferences. Lecture Notes in Computer Science, 2009, , 1-21.	1.0	2
152	Interactive Robust Multiobjective Optimization Driven by Decision Rule Preference Model. Lecture Notes in Computer Science, 2009, , 1-4.	1.0	0
153	Multicriteria decision support using rules that represent rough-graded preference relations. European Journal of Operational Research, 2008, 188, 206-223.	3.5	73
154	Handling effects of reinforced preference and counter-veto in credibility of outranking. European Journal of Operational Research, 2008, 188, 185-190.	3.5	54
155	Stochastic dominance-based rough set model for ordinal classification. Information Sciences, 2008, 178, 4019-4037.	4.0	134
156	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
157	Parameterized rough set model using rough membership and Bayesian confirmation measures. International Journal of Approximate Reasoning, 2008, 49, 285-300.	1.9	121
158	Interactive Multiobjective Optimization Using a Set of Additive Value Functions. Lecture Notes in Computer Science, 2008, , 97-119.	1.0	24
159	Dominance-Based Rough Set Approach to Interactive Multiobjective Optimization. Lecture Notes in Computer Science, 2008, , 121-155.	1.0	47
160	Maximum likelihood rule ensembles. , 2008, , .		25
161	Solving Regression by Learning an Ensemble of Decision Rules. Lecture Notes in Computer Science, 2008, , 533-544.	1.0	11
162	Assessing the Quality of Rules with a New Monotonic Interestingness Measure Z. Lecture Notes in Computer Science, 2008, , 556-565.	1.0	4

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163	Fuzzy Set Extensions of the Dominance-Based Rough Set Approach. , 2008, , 239-261.		11
164	Algebraic Structures for Dominance-Based Rough Set Approach. , 2008, , 252-259.		8
165	Ensemble of Decision Rules for Ordinal Classification with Monotonicity Constraints. , 2008, , 260-267.		9
166	Case-Based Reasoning Using Gradual Rules Induced from Dominance-Based Rough Approximations. , 2008, , 268-275.		6
167	Dominance-Based Rough Set Approach and Bipolar Abstract Rough Approximation Spaces. Lecture Notes in Computer Science, 2008, , 31-40.	1.0	6
168	Interactive Multiobjective Optimization from a Learning Perspective. Lecture Notes in Computer Science, 2008, , 405-433.	1.0	34
169	Telesfor "Telemedical Real-Time Communication Support System. Advances in Soft Computing, 2008, , 497-504.	0.4	0
170	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
171	Customer satisfaction analysis based on rough set approach. Journal of Business Economics, 2007, 77, 325-339.	1.3	31
172	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
173	Mining Pareto-optimal rules with respect to support and confirmation or support and anti-support. Engineering Applications of Artificial Intelligence, 2007, 20, 587-600.	4.3	35
174	Ordinal Classification with Decision Rules. , 2007, , 169-181.		18
175	Dominance-Based Rough Set Approach as a Proper Way of Handling Graduality in Rough Set Theory. , 2007, , 36-52.		62
176	Optimized Generalized Decision in Dominance-Based Rough Set Approach. , 2007, , 118-125.		9
177	Monotonic Variable Consistency Rough Set Approaches. , 2007, , 126-133.		13
178	Bayesian Decision Theory for Dominance-Based Rough Set Approach. , 2007, , 134-141.		22
179	Evaluating Importance of Conditions in the Set of Discovered Rules. Lecture Notes in Computer Science, 2007, , 314-321.	1.0	6
180	Dominance-Based Rough Set Approach to Reasoning About Ordinal Data. Lecture Notes in Computer Science, 2007, , 5-11.	1.0	36

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181	Mining Association Rules with Respect to Support and Anti-support-Experimental Results. Lecture Notes in Computer Science, 2007, , 534-542.	1.0	7
182	Statistical Model for Rough Set Approach to Multicriteria Classification. Lecture Notes in Computer Science, 2007, , 164-175.	1.0	18
183	Relationship Between Loss Functions and Confirmation Measures. Lecture Notes in Computer Science, 2007, , 338-345.	1.0	1
184	Rough Set Approach to Customer Satisfaction Analysis. Lecture Notes in Computer Science, 2006, , 284-295.	1.0	9
185	Fuzzy rough sets and multiple-premise gradual decision rules. International Journal of Approximate Reasoning, 2006, 41, 179-211.	1.9	139
186	Multi-criteria assignment problem with incompatibility and capacity constraints. Annals of Operations Research, 2006, 147, 287-316.	2.6	8
187	On Variable Consistency Dominance-Based Rough Set Approaches. Lecture Notes in Computer Science, 2006, , 191-202.	1.0	17
188	Dominance-Based Rough Set Approach to Case-Based Reasoning. Lecture Notes in Computer Science, 2006, , 7-18.	1.0	35
189	Application of Bayesian Confirmation Measures for Mining Rules from Support-Confidence Pareto-Optimal Set. Lecture Notes in Computer Science, 2006, , 1018-1026.	1.0	5
190	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
191	Dominance-Based Rough Set Approach to Decision Involving Multiple Decision Makers. Lecture Notes in Computer Science, 2006, , 306-317.	1.0	17
192	Quality of Rough Approximation in Multi-criteria Classification Problems. Lecture Notes in Computer Science, 2006, , 318-327.	1.0	7
193	Fuzzy Rough Sets and Multiple-Premise Gradual Decision Rules. Lecture Notes in Computer Science, 2006, , 148-163.	1.0	3
194	Interactive Analysis of Preference-Ordered Data Using Dominance-Based Rough Set Approach. Lecture Notes in Computer Science, 2006, , 489-498.	1.0	1
195	Ensembles of Decision Rules for Solving Binary Classification Problems in the Presence of Missing Values. Lecture Notes in Computer Science, 2006, , 224-234.	1.0	3
196	Measuring Attractiveness of Rules from the Viewpoint of Knowledge Representation, Prediction and Efficiency of Intervention. Lecture Notes in Computer Science, 2005, , 11-22.	1.0	5
197	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
198	Supporting triage of children with abdominal pain in the emergency room. European Journal of Operational Research, 2005, 160, 696-709.	3.5	42

#	ARTICLE	IF	CITATIONS
199	Modus ponens versus modus tollens associated with rough gradual decision rules induced from a decision table. International Journal of Hybrid Intelligent Systems, 2005, 2, 109-131.	0.9	0
200	Decision Rule Approach. , 2005, , 507-555.		89
201	Measuring expected effects of interventions based on decision rules. Journal of Experimental and Theoretical Artificial Intelligence, 2005, 17, 103-118.	1.8	46
202	Rough Set Based Decision Support. , 2005, , 475-527.		52
203	Second-Order Rough Approximations in Multi-criteria Classification with Imprecise Evaluations and Assignments. Lecture Notes in Computer Science, 2005, , 54-63.	1.0	11
204	Generalizing Rough Set Theory Through Dominance-Based Rough Set Approach. Lecture Notes in Computer Science, 2005, , 1-11.	1.0	11
205	Dominance-Based Rough Set Approach to Knowledge Discovery (II): Extensions and Applications. , 2004, , 553-612.		13
206	Multicriteria Choice and Ranking Using Decision Rules Induced from Rough Approximation of Graded Preference Relations. Lecture Notes in Computer Science, 2004, , 510-522.	1.0	7
207	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
208	Can Bayesian confirmation measures be useful for rough set decision rules?. Engineering Applications of Artificial Intelligence, 2004, 17, 345-361.	4.3	142
209	Inducing Robust Decision Rules from Rough Approximations of a Preference Relation. Lecture Notes in Computer Science, 2004, , 118-132.	1.0	6
210	Rough Set Methodology in Clinical Practice: Controlled Hospital Trial of the MET System. Lecture Notes in Computer Science, 2004, , 805-814.	1.0	9
211	Bayesian Confirmation Measures within Rough Set Approach. Lecture Notes in Computer Science, 2004, , 264-273.	1.0	8
212	A New Proposal for Fuzzy Rough Approximations and Gradual Decision Rule Representation. Lecture Notes in Computer Science, 2004, , 319-342.	1.0	15
213	Incremental versus Non-incremental Rule Induction for Multicriteria Classification. Lecture Notes in Computer Science, 2004, , 33-53.	1.0	25
214	Dominance-Based Rough Set Approach to Knowledge Discovery (I): General Perspective. , 2004, , 513-552.		28
215	Measuring the Expected Impact of Decision Rule Application. Lecture Notes in Computer Science, 2004, , 523-528.	1.0	1
216	Fuzzy-Rough Modus Ponens and Modus Tollens as a Basis for Approximate Reasoning. Lecture Notes in Computer Science, 2004, , 84-94.	1.0	3

#	ARTICLE	IF	CITATIONS
217	SEQUENTIAL CONSTRUCTION OF FEATURES BASED ON GENETICALLY TRANSFORMED DATA. Advances in Natural Computation, 2004, , 623-642.	0.1	0
218	Mobile clinical support system for pediatric emergencies. Decision Support Systems, 2003, 36, 161-176.	3.5	68
219	Possibility and necessity measure specification using modifiers for decision making under fuzziness. Fuzzy Sets and Systems, 2003, 137, 151-175.	1.6	33
220	Incremental Induction of Decision Rules from Dominance-based Rough Approximations. Electronic Notes in Theoretical Computer Science, 2003, 82, 40-51.	0.9	51
221	Rough Sets and Gradual Decision Rules. , 2003, , 156-164.		10
222	Hierarchical Clustering of Text Corpora Using Suffix Trees. , 2003, , 179-188.		1
223	Possibility and Necessity Measures in Dominance-based Rough Set Approach. , 2003, , 129-134.		0
224	Generalized Decision Algorithms, Rough Inference Rules, and Flow Graphs. Lecture Notes in Computer Science, 2002, , 93-104.	1.0	27
225	Importance and Interaction of Conditions in Decision Rules. Lecture Notes in Computer Science, 2002, , 255-262.	1.0	6
226	Rough approximation by dominance relations. International Journal of Intelligent Systems, 2002, 17, 153-171.	3.3	454
227	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
228	A Graded Quadrivalent Logic for Ordinal Preference Modelling: Loyola's Like Approach. Fuzzy Optimization and Decision Making, 2002, 1, 93-111.	3.4	30
229	Dominance-Based Rough Set Approach Using Possibility and Necessity Measures. Lecture Notes in Computer Science, 2002, , 85-92.	1.0	31
230	Variable Consistency Monotonic Decision Trees. Lecture Notes in Computer Science, 2002, , 247-254.	1.0	17
231	Rough Set Analysis of Preference-Ordered Data. Lecture Notes in Computer Science, 2002, , 44-59.	1.0	53
232	Preference Representation by Means of Conjoint Measurement and Decision Rule Model. Profiles in Operations Research, 2002, , 263-313.	0.3	32
233	An Algorithm for Induction of Decision Rules Consistent with the Dominance Principle. Lecture Notes in Computer Science, 2001, , 304-313.	1.0	85
234	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

#	ARTICLE	IF	CITATIONS
235	Rough sets theory for multicriteria decision analysis. European Journal of Operational Research, 2001, 129, 1-47.	3.5	1,456
236	Rule-Based Decision Support in Multicriteria Choice and Ranking. Lecture Notes in Computer Science, 2001, , 29-47.	1.0	4
237	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
238	Extension Of The Rough Set Approach To Multicriteria Decision Support. Infor, 2000, 38, 161-195.	0.5	70
239	A user-oriented implementation of the ELECTRE-TRI method integrating preference elicitation support. Computers and Operations Research, 2000, 27, 757-777.	2.4	240
240	Pareto Simulated Annealing for Fuzzy Multi-Objective Combinatorial Optimization. Journal of Heuristics, 2000, 6, 329-345.	1.1	44
241	A generalized definition of rough approximations based on similarity. IEEE Transactions on Knowledge and Data Engineering, 2000, 12, 331-336.	4.0	844
242	Rough Set Processing of Vague Information Using Fuzzy Similarity Relations. , 2000, , 149-173.		38
243	Fuzzy Extension of the Rough Set Approach to Multicriteria and Multiattribute Sorting. Studies in Fuzziness and Soft Computing, 2000, , 131-151.	0.6	31
244	Rough approximation of a preference relation by dominance relations. European Journal of Operational Research, 1999, 117, 63-83.	3.5	458
245	The "Light Beam Search"™ approach " an overview of methodology applications. European Journal of Operational Research, 1999, 113, 300-314.	3.5	155
246	Business failure prediction using rough sets. European Journal of Operational Research, 1999, 114, 263-280.	3.5	387
247	The Use of Rough Sets and Fuzzy Sets in MCDM. Profiles in Operations Research, 1999, , 397-455.	0.3	75
248	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
249	Rough set approach to the evaluation of stormwater pollution. International Journal of Environment and Pollution, 1999, 12, 232.	0.2	18
250	Inferring an ELECTRE TRI Model from Assignment Examples. Journal of Global Optimization, 1998, 12, 157-174.	1.1	331
251	Interactive analysis of multiple-criteria project scheduling problems. European Journal of Operational Research, 1998, 107, 315-324.	3.5	84
252	Learning Decision Rules from Similarity Based Rough Approximations. Studies in Fuzziness and Soft Computing, 1998, , 37-54.	0.6	27

#	ARTICLE	IF	CITATIONS
253	A New Rough Set Approach to Multicriteria and Multiattribute Classification. Lecture Notes in Computer Science, 1998, , 60-67.	1.0	60
254	Fuzzy Similarity Relation as a Basis for Rough Approximations. Lecture Notes in Computer Science, 1998, , 283-289.	1.0	73
255	A New Rough Set Approach to Evaluation of Bankruptcy Risk. , 1998, , 121-136.		116
256	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
257	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
258	Outranking-Based Interactive Exploration of a Set of Multicriteria Alternatives. Journal of Multi-Criteria Decision Analysis, 1997, 6, 93-106.	1.0	5
259	Rough Set Approach to Multi-Attribute Choice and Ranking Problems. Lecture Notes in Economics and Mathematical Systems, 1997, , 318-329.	0.3	28
260	The LBS-Discrete Interactive Procedure for Multiple-Criteria Analysis of Decision Problems. , 1997, , 320-330.		16
261	A Concordance-Discordance Approach to Multi-Criteria Ranking of Actions with Fuzzy Evaluations. , 1997, , 85-93.		2
262	ROUGH-SET REASONING ABOUT UNCERTAIN DATA. Fundamenta Informaticae, 1996, 27, 229-243.	0.3	70
263	Fuzzy priority heuristics for project scheduling. Fuzzy Sets and Systems, 1996, 83, 291-299.	1.6	110
264	ROUGH SET REDUCTION OF ATTRIBUTES AND THEIR DOMAINS FOR NEURAL NETWORKS. Computational Intelligence, 1995, 11, 339-347.	2.1	172
265	The Light Beam Search " Outranking Based Interactive Procedure for Multiple-Objective Mathematical Programming. Nonconvex Optimization and Its Applications, 1995, , 129-146.	0.1	14
266	Rough sets. Communications of the ACM, 1995, 38, 88-95.	3.3	1,817
267	Fuzzy project scheduling system for software development. Fuzzy Sets and Systems, 1994, 67, 101-117.	1.6	118
268	DSS for multiobjective project scheduling. European Journal of Operational Research, 1994, 79, 220-229.	3.5	102
269	Rough set approach to multi-attribute decision analysis. European Journal of Operational Research, 1994, 72, 443-459.	3.5	404
270	Handling Various Types of Uncertainty in the Rough Set Approach. Workshops in Computing, 1994, , 366-376.	0.4	29

#	ARTICLE	IF	CITATIONS
271	A DSS for Ressourceâ€™ Constrained Project Scheduling under Uncertainty. Journal of Decision Systems, 1993, 2, 111-128.	2.2	26
272	Rough set learning of preferential attitude in multi-criteria decision making. Lecture Notes in Computer Science, 1993, , 642-651.	1.0	54
273	The rough sets approach to knowledge analysis for classification support in technical diagnostics of mechanical objects. , 1992, , 556-565.		3
274	MULTICRITERIA PROGRAMMING OF WATER SUPPLY SYSTEMS FOR RURAL AREAS. Journal of the American Water Resources Association, 1992, 28, 13-31.	1.0	72
275	Evaluation of vibroacoustic diagnostic symptoms by means of the rough sets theory. Computers in Industry, 1992, 20, 141-152.	5.7	58
276	Cone contraction method with visual interaction for multipleâ€™objective nonâ€™linear programmes. Journal of Multi-Criteria Decision Analysis, 1992, 1, 29-46.	1.0	15
277	Rough sets analysis of diagnostic capacity of vibroacoustic symptoms. Computers and Mathematics With Applications, 1992, 24, 109-123.	1.4	26
278	Discriminant versus rough sets approach to vague data analysis. Applied Stochastic Models and Data Analysis, 1992, 8, 43-56.	0.6	56
279	Comparison of the Rough Sets Approach and Probabilistic Data Analysis Techniques on a Common Set of Medical Data. , 1992, , 251-265.		9
280	â€™Roughdasâ€™™ and â€™Roughclassâ€™™ Software Implementations of the Rough Sets Approach. , 1992, , 445-456.		55
281	Analysis of Diagnostic Symptoms in Vibroacoustic Diagnostics by Means of the Rough Sets Theory. , 1992, , 33-48.		5
282	Sensitivity of Rough Classification to Changes in Norms of Attributes. , 1992, , 363-372.		4
283	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
284	Sensitivity analysis of rough classification. International Journal of Man-Machine Studies, 1990, 32, 693-705.	0.7	34
285	Rough classification in incomplete information systems. Mathematical and Computer Modelling, 1989, 12, 1347-1357.	2.0	122
286	ROUGH CLASSIFICATION IN INCOMPLETE INFORMATION SYSTEMS. , 1989, , 1347-1357.		1
287	Fuzzy versus stochastic approaches to multicriteria linear programming under uncertainty. Naval Research Logistics, 1988, 35, 673-695.	1.4	41
288	Intelligent knowledge based systems: An introduction. European Journal of Operational Research, 1988, 33, 354.	3.5	0

#	ARTICLE	IF	CITATIONS
289	Production scheduling on parallel machines subject to staircase demands. <i>Engineering Costs and Production Economics</i> , 1988, 14, 11-17.	0.2	7
290	Molp with an interactive assessment of a piecewise linear utility function. <i>European Journal of Operational Research</i> , 1987, 31, 350-357.	3.5	65
291	An Interactive Method for Multiobjective Linear Programming with Fuzzy Parameters and Its Application to Water Supply Planning. , 1987, , 396-414.		9
292	A multicriteria fuzzy linear programming method for water supply system development planning. <i>Fuzzy Sets and Systems</i> , 1986, 19, 217-237.	1.6	228
293	Rough classification of patients after highly selective vagotomy for duodenal ulcer. <i>International Journal of Man-Machine Studies</i> , 1986, 24, 413-433.	0.7	111
294	Preemptive scheduling of independent jobs on parallel machines subject to financial constraints. <i>European Journal of Operational Research</i> , 1984, 15, 366-373.	3.5	45
295	Management decision making: A network simulation approach. <i>European Journal of Operational Research</i> , 1983, 14, 404.	3.5	0
296	Multiobjective network scheduling with efficient use of renewable and nonrenewable resources. <i>European Journal of Operational Research</i> , 1981, 7, 265-273.	3.5	121
297	Two Approaches to Problems of Resource Allocation Among Project Activities – A Comparative Study. <i>Journal of the Operational Research Society</i> , 1980, 31, 711-723.	2.1	72
298	Two Approaches to Problems of Resource Allocation among Project Activities – A Comparative Study. <i>Journal of the Operational Research Society</i> , 1980, 31, 711.	2.1	58
299	Cost-minimal preemptive scheduling of independent jobs with release and due dates on open shop under resource constraints. <i>Information Processing Letters</i> , 1979, 9, 233-237.	0.4	6
300	Scheduling preemptable tasks on unrelated processors with additional resources to minimize schedule length. <i>Lecture Notes in Computer Science</i> , 1978, , 536-547.	1.0	6
301	Algorithm 520: An Automatic Revised Simplex Method for Constrained Resource Network Scheduling [H]. <i>ACM Transactions on Mathematical Software</i> , 1977, 3, 295-300.	1.6	53
302	Mining decision-rule preference model from rough approximation of preference relation. , 0, , .		6
303	Granular Computing for Reasoning about Ordered Data: The Dominance-Based Rough Set Approach. , 0, , 347-373.		15
304	Explainable Interactive Evolutionary Multiobjective Optimization. <i>SSRN Electronic Journal</i> , 0, , .	0.4	7