Roman Slowinski

List of Publications by Citations

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

312 papers	13,402 citations	58 h-index	107 g-index
331 ext. papers	15,436 ext. citations	3 avg, IF	6.74 L-index

#	Paper	IF	Citations
312	Rough sets theory for multicriteria decision analysis. *European Journal of Operational Research*, **2001**, 129, 1-47	5.6	1171
311	A generalized definition of rough approximations based on similarity. *IEEE Transactions on Knowledge and Data Engineering*, **2000**, 12, 331-336	4.2	628
310	Rough sets. *Communications of the ACM*, **1995**, 38, 88-95	2.5	547
309	Rough approximation of a preference relation by dominance relations. *European Journal of Operational Research*, **1999**, 117, 63-83	5.6	350
308	Ordinal regression revisited: Multiple criteria ranking using a set of additive value functions. *European Journal of Operational Research*, **2008**, 191, 416-436	5.6	331
307	Rough set approach to multi-attribute decision analysis. *European Journal of Operational Research*, **1994**, 72, 443-459	5.6	321
306	Rough approximation by dominance relations. *International Journal of Intelligent Systems*, **2002**, 17, 153-171	3.4	308
305	Business failure prediction using rough sets. *European Journal of Operational Research*, **1999**, 114, 263-280	5.6	302
304	Rough sets methodology for sorting problems in presence of multiple attributes and criteria. *European Journal of Operational Research*, **2002**, 138, 247-259	5.6	295
303	Inferring an ELECTRE TRI Model from Assignment Examples. *Journal of Global Optimization*, **1998**, 12, 157-174	1.5	259
302	A multicriteria fuzzy linear programming method for water supply system development planning. *Fuzzy Sets and Systems*, **1986**, 19, 217-237	3.7	205
301	A user-oriented implementation of the ELECTRE-TRI method integrating preference elicitation support. *Computers and Operations Research*, **2000**, 27, 757-777	4.6	204
300	An Overview of ELECTRE Methods and their Recent Extensions. *Journal of Multi-Criteria Decision Analysis*, **2013**, 20, 61-85	1.9	203
299	Forty years of the European Journal of Operational Research: A bibliometric overview. *European Journal of Operational Research*, **2017**, 262, 803-816	5.6	182
298	Multi-criteria classification A new scheme for application of dominance-based decision rules. *European Journal of Operational Research*, **2007**, 181, 1030-1044	5.6	169
297	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	5.6	167
296	Sequential covering rule induction algorithm for variable consistency rough set approaches. *Information Sciences*, **2011**, 181, 987-1002	7.7	160

295	Questions guiding the choice of a multicriteria decision aiding method. *EURO Journal on Decision Processes*, **2013**, 1, 69-97	1.1	137
294	The "Light Beam Search" approach – an overview of methodology applications. *European Journal of Operational Research*, **1999**, 113, 300-314	5.6	135
293	Robust ordinal regression in preference learning and ranking. *Machine Learning*, **2013**, 93, 381-422	4	130
292	Multiple criteria sorting with a set of additive value functions. *European Journal of Operational Research*, **2010**, 207, 1455-1470	5.6	118
291	Can Bayesian confirmation measures be useful for rough set decision rules?. *Engineering Applications of Artificial Intelligence*, **2004**, 17, 345-361	7.2	115
290	Multiple Criteria Hierarchy Process with ELECTRE and PROMETHEE. *Omega*, **2013**, 41, 820-846	7.2	111
289	Monotonic Variable Consistency Rough Set Approaches. *International Journal of Approximate Reasoning*, **2009**, 50, 979-999	3.6	110
288	Fuzzy rough sets and multiple-premise gradual decision rules. *International Journal of Approximate Reasoning*, **2006**, 41, 179-211	3.6	109
287	Multiobjective network scheduling with efficient use of renewable and nonrenewable resources. *European Journal of Operational Research*, **1981**, 7, 265-273	5.6	106
286	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	5.6	105
285	Stochastic dominance-based rough set model for ordinal classification. *Information Sciences*, **2008**, 178, 4019-4037	7.7	104
284	Parameterized rough set model using rough membership and Bayesian confirmation measures. *International Journal of Approximate Reasoning*, **2008**, 49, 285-300	3.6	104
283	ROUGH SET REDUCTION OF ATTRIBUTES AND THEIR DOMAINS FOR NEURAL NETWORKS. *Computational Intelligence*, **1995**, 11, 339-347	2.5	101
282	Rough classification in incomplete information systems. *Mathematical and Computer Modelling*, **1989**, 12, 1347-1357		101
281	Rough set approach to multiple criteria classification with imprecise evaluations and assignments. *European Journal of Operational Research*, **2009**, 198, 626-636	5.6	99
280	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	5.6	94
279	Fuzzy project scheduling system for software development. *Fuzzy Sets and Systems*, **1994**, 67, 101-117	3.7	94
278	Rough classification of patients after highly selective vagotomy for duodenal ulcer. *International Journal of Man-Machine Studies*, **1986**, 24, 413-433		93

277	Fuzzy priority heuristics for project scheduling. *Fuzzy Sets and Systems*, **1996**, 83, 291-299	3.7	91
276	DSS for multiobjective project scheduling. *European Journal of Operational Research*, **1994**, 79, 220-229	5.6	89
275	A New Rough Set Approach to Evaluation of Bankruptcy Risk **1998**, 121-136		85
274	How to support the application of multiple criteria decision analysis? Let us start with a comprehensive taxonomy. *Omega*, **2020**, 96, 102261-102261	7.2	84
273	Prediction of company acquisition in Greece by means of the rough set approach. *European Journal of Operational Research*, **1997**, 100, 1-15	5.6	84
272	Robust ordinal regression for multiple criteria group decision: UTAGMS-GROUP and UTADISGMS-GROUP. *Decision Support Systems*, **2012**, 52, 549-561	5.6	82
271	ELECTREGKMS: Robust ordinal regression for outranking methods. *European Journal of Operational Research*, **2011**, 214, 118-135	5.6	82
270	Extreme ranking analysis in robust ordinal regression. *Omega*, **2012**, 40, 488-501	7.2	81
269	A green chemistry-based classification model for the synthesis of silver nanoparticles. *Green Chemistry*, **2015**, 17, 2825-2839	10	77
268	Multiple Criteria Hierarchy Process in Robust Ordinal Regression. *Decision Support Systems*, **2012**, 53, 660-674	5.6	76
267	A robust ranking method extending ELECTRE III to hierarchy of interacting criteria, imprecise weights and stochastic analysis. *Omega*, **2017**, 73, 1-17	7.2	74
266	Interactive analysis of multiple-criteria project scheduling problems. *European Journal of Operational Research*, **1998**, 107, 315-324	5.6	74
265	Multiple Criteria Hierarchy Process for ELECTRE Tri methods. *European Journal of Operational Research*, **2016**, 252, 191-203	5.6	73
264	Decision Rule Approach **2005**, 507-555		73
263	Selection of a representative value function in robust multiple criteria sorting. *Computers and Operations Research*, **2011**, 38, 1620-1637	4.6	72
262	Selection of a representative value function in robust multiple criteria ranking and choice. *European Journal of Operational Research*, **2012**, 217, 541-553	5.6	67
261	Using Choquet integral as preference model in interactive evolutionary multiobjective optimization. *European Journal of Operational Research*, **2016**, 250, 884-901	5.6	66
260	MULTICRITERIA PROGRAMMING OF WATER SUPPLY SYSTEMS FOR RURAL AREAS1. *Journal of the American Water Resources Association*, **1992**, 28, 13-31	2.1	65

259	Learning Value Functions in Interactive Evolutionary Multiobjective Optimization. *IEEE Transactions on Evolutionary Computation*, **2015**, 19, 88-102	15.6	63
258	Dominance-based Rough Set Approach to decision under uncertainty and time preference. *Annals of Operations Research*, **2010**, 176, 41-75	3.2	63
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256	Robust Ordinal Regression and Stochastic Multiobjective Acceptability Analysis in multiple criteria hierarchy process for the Choquet integral preference model. *Omega*, **2016**, 63, 154-169	7.2	60
255	Robust ordinal regression for value functions handling interacting criteria. *European Journal of Operational Research*, **2014**, 239, 711-730	5.6	60
254	An Algorithm for Induction of Decision Rules Consistent with the Dominance Principle. *Lecture Notes in Computer Science*, **2001**, 304-313	0.9	57
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252	ELECTRE Methods: Main Features and Recent Developments. *Applied Optimization*, **2010**, 51-89		54
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235	Dominance-Based Rough Set Approach to Interactive Multiobjective Optimization. *Lecture Notes in Computer Science*, **2008**, 121-155	0.9	42
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198	Preference Representation by Means of Conjoint Measurement and Decision Rule Model. *Profiles in Operations Research*, **2002**, 263-313	1	27
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195	From the farm to the agri-food system: A multiple criteria framework to evaluate extended multi-functional value. *Ecological Indicators*, **2017**, 79, 91-102	5.8	25
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184	Optimization of multiple satisfaction levels in portfolio decision analysis. *Omega*, **2018**, 78, 192-204	7.2	22
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161	Interactive Evolutionary Multiobjective Optimization using Dominance-based Rough Set Approach **2010**,		16
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