

# Jyrki Wallenius

## 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.

117  
papers

5,020  
citations

32  
h-index

70  
g-index

118  
ext. papers

5,587  
ext. citations

3.4  
avg, IF

5.35  
L-index

#	Paper	IF	Citations
117	An Interactive Programming Method for Solving the Multiple Criteria Problem. <i>Management Science</i> , <b>1976</b> , 22, 652-663	3.9	559
116	Multiple Criteria Decision Making, Multiattribute Utility Theory: Recent Accomplishments and What Lies Ahead. <i>Management Science</i> , <b>2008</b> , 54, 1336-1349	3.9	497
115	Multiple Criteria Decision Making, Multiattribute Utility Theory: The Next Ten Years. <i>Management Science</i> , <b>1992</b> , 38, 645-654	3.9	400
114	An Interactive Multiple Objective Linear Programming Method for a Class of Underlying Nonlinear Utility Functions. <i>Management Science</i> , <b>1983</b> , 29, 519-529	3.9	327
113	A Value Efficiency Approach to Incorporating Preference Information in Data Envelopment Analysis. <i>Management Science</i> , <b>1999</b> , 45, 103-115	3.9	200
112	Success drivers of online equity crowdfunding campaigns. <i>Decision Support Systems</i> , <b>2016</b> , 87, 26-38	5.6	199
111	A pareto race. <i>Naval Research Logistics</i> , <b>1988</b> , 35, 615-623	1.5	197
110	An Interactive Evolutionary Multiobjective Optimization Method Based on Progressively Approximated Value Functions. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2010</b> , 14, 723-739	15.6	180
109	Structural Comparison of Data Envelopment Analysis and Multiple Objective Linear Programming. <i>Management Science</i> , <b>1998</b> , 44, 962-970	3.9	174
108	Solving the Discrete Multiple Criteria Problem using Convex Cones. <i>Management Science</i> , <b>1984</b> , 30, 1336-1345	3.9	174
107	Multiple criteria decision support - A review. <i>European Journal of Operational Research</i> , <b>1992</b> , 63, 361-375	5.6	158
106	Comparative Evaluation of Some Interactive Approaches to Multicriterion Optimization. <i>Management Science</i> , <b>1975</b> , 21, 1387-1396	3.9	152
105	Value efficiency analysis of academic research. <i>European Journal of Operational Research</i> , <b>2001</b> , 130, 121-132	5.6	128
104	Borrower Decision Aid for people-to-people lending. <i>Decision Support Systems</i> , <b>2010</b> , 49, 52-60	5.6	81
103	Emerging multiple issue e-auctions. <i>European Journal of Operational Research</i> , <b>2004</b> , 159, 1-16	5.6	81
102	A multi-attribute e-auction mechanism for procurement: Theoretical foundations. <i>European Journal of Operational Research</i> , <b>2006</b> , 175, 90-100	5.6	69
101	Multiple-issue auction and market algorithms for the world wide web. <i>Decision Support Systems</i> , <b>1999</b> , 26, 49-66	5.6	65

100	Identifying Efficient Vectors: Some Theory and Computational Results. <i>Operations Research</i> , <b>1980</b> , 28, 785-793	2.3	63
99	Multi-attribute online reverse auctions: Recent research trends. <i>European Journal of Operational Research</i> , <b>2015</b> , 242, 1-9	5.6	57
98	Interactive evolutionary multi-objective optimization for quasi-concave preference functions. <i>European Journal of Operational Research</i> , <b>2010</b> , 206, 417-425	5.6	49
97	An interactive approach to multiple criteria optimization with multiple decision-makers. <i>Naval Research Logistics Quarterly</i> , <b>1986</b> , 33, 589-602		48
96	Using qualitative data in multiple objective linear programming. <i>European Journal of Operational Research</i> , <b>1990</b> , 48, 81-87	5.6	47
95	Choice behavior in interactive multiple-criteria decision making. <i>Annals of Operations Research</i> , <b>1990</b> , 23, 161-179	3.2	46
94	An Approach to Solving Multiple Criteria Macroeconomic Policy Problems and an Application. <i>Management Science</i> , <b>1978</b> , 24, 1021-1030	3.9	38
93	A Progressive Algorithm for Modeling and Solving Multiple-Criteria Decision Problems. <i>Operations Research</i> , <b>1986</b> , 34, 726-731	2.3	37
92	Solving Bilevel Multicriterion Optimization Problems With Lower Level Decision Uncertainty. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2016</b> , 20, 199-217	15.6	36
91	A multiple objective linear programming decision support system. <i>Decision Support Systems</i> , <b>1990</b> , 6, 243-251	5.6	36
90	An interactive evolutionary multi-objective optimization algorithm with a limited number of decision maker calls. <i>European Journal of Operational Research</i> , <b>2014</b> , 233, 674-688	5.6	35
89	Multiple Objective Analysis of Input-Output Models for Emergency Management. <i>Operations Research</i> , <b>1990</b> , 38, 193-201	2.3	35
88	Good debt or bad debt: Detecting semantic orientations in economic texts. <i>Journal of the Association for Information Science and Technology</i> , <b>2014</b> , 65, 782-796	2.7	34
87	An Early History of Multiple Criteria Decision Making. <i>Journal of Multi-Criteria Decision Analysis</i> , <b>2013</b> , 20, 87-94	1.9	33
86	Designing Electronic Auctions: An Internet-Based Hybrid Procedure Combining Aspects of Negotiations and Auctions. <i>Electronic Commerce Research</i> , <b>2001</b> , 1, 301-314	2.1	32
85	A study of high-level managerial decision processes, with implications for MCDM research. <i>European Journal of Operational Research</i> , <b>2000</b> , 120, 496-510	5.6	31
84	Identifying Pareto-optimal settlements for two-party resource allocation negotiations. <i>European Journal of Operational Research</i> , <b>1996</b> , 93, 536-549	5.6	31
83	Decision support for multi-unit combinatorial bundle auctions. <i>Decision Support Systems</i> , <b>2007</b> , 43, 420-434	3.6	29

82	Behavioural Issues in MCDM: Neglected Research Questions. <i>Journal of Multi-Criteria Decision Analysis</i> , <b>1996</b> , 5, 178-182	1.9	29
81	Testing Prospect Theory in a Deterministic Multiple Criteria Decision-Making Environment*. <i>Decision Sciences</i> , <b>1993</b> , 24, 279-294	3.7	28
80	Can a linear value function explain choices? An experimental study. <i>European Journal of Operational Research</i> , <b>2012</b> , 219, 360-367	5.6	23
79	Bidding strategies for real-life small loan auctions. <i>Decision Support Systems</i> , <b>2011</b> , 51, 31-41	5.6	23
78	Bibliometric Analysis of Multiple Criteria Decision Making/Multiattribute Utility Theory. <i>Lecture Notes in Economics and Mathematical Systems</i> , <b>2010</b> , 259-268	0.4	22
77	Progressively interactive evolutionary multi-objective optimization method using generalized polynomial value functions <b>2010</b> ,		21
76	A flexible approach to ranking with an application to MBA Programs. <i>European Journal of Operational Research</i> , <b>2010</b> , 201, 470-476	5.6	21
75	The process of multiattribute decision making: A case study of selecting applicants for a Ph.D. program. <i>European Journal of Operational Research</i> , <b>1994</b> , 72, 469-484	5.6	21
74	Ratio-based RTS determination in weight-restricted DEA models. <i>European Journal of Operational Research</i> , <b>2011</b> , 215, 431-438	5.6	19
73	SCHOLARLY COMMUNITIES OF RESEARCH IN MULTIPLE CRITERIA DECISION MAKING: A BIBLIOMETRIC RESEARCH PROFILING STUDY. <i>International Journal of Information Technology and Decision Making</i> , <b>2012</b> , 11, 401-426	2.8	18
72	An Interactive Evolutionary Multi-objective Optimization Method Based on Polyhedral Cones. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 318-332	0.9	18
71	Context matters: The impact of product type, emotional attachment and information overload on choice quality. <i>European Journal of Operational Research</i> , <b>2018</b> , 264, 270-279	5.6	17
70	Resource allocation for performance improvement. <i>Annals of Operations Research</i> , <b>2012</b> , 196, 459-468	3.2	17
69	Quantitative Comparison of Approximate Solution Sets for Multicriteria Optimization Problems with Weighted Tchebycheff Preference Function. <i>Operations Research</i> , <b>2010</b> , 58, 650-659	2.3	17
68	A reference direction approach to multiple objective integer linear programming. <i>European Journal of Operational Research</i> , <b>1995</b> , 81, 176-187	5.6	17
67	An interactive algorithm to find the most preferred solution of multi-objective integer programs. <i>Annals of Operations Research</i> , <b>2016</b> , 245, 67-95	3.2	16
66	Choice Behaviour in a Computer-Aided Multiattribute Decision Task. <i>Journal of Multi-Criteria Decision Analysis</i> , <b>1997</b> , 6, 233-246	1.9	16
65	Further Developments and Tests of a Progressive Algorithm for Multiple Criteria Decision Making. <i>Operations Research</i> , <b>1993</b> , 41, 1033-1045	2.3	16

64	Nonlinear multiple objective optimization: An algorithm and some theory. <i>Mathematical Programming</i> , <b>1992</b> , 55, 235-249	2.1	14
63	Impact of Number of Interactions, Different Interaction Patterns, and Human Inconsistencies on Some Hybrid Evolutionary Multiobjective Optimization Algorithms*. <i>Decision Sciences</i> , <b>2015</b> , 46, 981-1008	3.7	13
62	A computer graphics-based Decision Support System for multiple objective linear programming. <i>European Journal of Operational Research</i> , <b>1992</b> , 60, 280-286	5.6	13
61	Emotional/motivational responses predicting choices: The role of asymmetrical frontal cortical activity. <i>Journal of Economic Psychology</i> , <b>2016</b> , 52, 56-70	2.5	12
60	An evolutionary approach to decision-making, with an application to media selection. <i>Mathematical and Computer Modelling</i> , <b>1989</b> , 12, 1239-1244		12
59	Operations Research and Its Practice in Finland. <i>Interfaces</i> , <b>1986</b> , 16, 53-59	0.7	12
58	Nonlinear and unconstrained multiple-objective optimization: Algorithm, computation, and application. <i>Naval Research Logistics</i> , <b>1991</b> , 38, 623-635	1.5	11
57	A careful look at the importance of criteria and weights. <i>Annals of Operations Research</i> , <b>2013</b> , 211, 565-578	3.8	10
56	Convex cone-based partial order for multiple criteria alternatives. <i>Decision Support Systems</i> , <b>2011</b> , 51, 256-261	5.6	10
55	Efficiency analysis to incorporate interval-scale data. <i>European Journal of Operational Research</i> , <b>2010</b> , 207, 1116-1121	5.6	10
54	Testing the Form of a Decision-maker's Multiattribute Value Function Based on Pairwise Preference Information. <i>Journal of the Operational Research Society</i> , <b>1989</b> , 40, 299-302	2	10
53	Behavioral Issues in MCDM: Neglected Research Questions <b>1997</b> , 412-422		10
52	A stepwise benchmarking approach to DEA with interval scale data. <i>Journal of the Operational Research Society</i> , <b>2019</b> , 70, 954-961	2	9
51	Conducting Dyadic Multiple Issue Negotiation Experiments: Methodological Recommendations. <i>Group Decision and Negotiation</i> , <b>2000</b> , 9, 347-354	2.5	9
50	A Multiple Unit Auction Algorithm: Some Theory and a Web Implementation. <i>Electronic Markets</i> , <b>1999</b> , 9, 199-205	4.8	9
49	Dual cone approach to convex-cone dominance in multiple criteria decision making. <i>European Journal of Operational Research</i> , <b>2016</b> , 249, 1139-1143	5.6	8
48	Inherent biases in decision support systems: the influence of optimistic and pessimistic DSS on choice, affect, and attitudes. <i>Journal of Behavioral Decision Making</i> , <b>2008</b> , 21, 45-58	2.4	8
47	A Decision Model for the Multiple Criteria Group Secretary Problem: Theoretical Considerations. <i>Journal of the Operational Research Society</i> , <b>1996</b> , 47, 1046-1053	2	8

46	A Bargaining Model for Solving the Multiple Criteria Problem. <i>Lecture Notes in Economics and Mathematical Systems</i> , <b>1980</b> , 178-188	0.4	8
45	An interactive approximation algorithm for multi-objective integer programs. <i>Computers and Operations Research</i> , <b>2018</b> , 96, 80-90	4.6	7
44	Concept-based document classification using Wikipedia and value function. <i>Journal of the Association for Information Science and Technology</i> , <b>2011</b> , 62, 2496-2511		7
43	Improving efficiency in multiple-unit combinatorial auctions: Bundling bids from multiple bidders. <i>Decision Support Systems</i> , <b>2009</b> , 48, 103-111	5.6	7
42	Letter: Are Pareto Improvements Always Preferred by Negotiators?. <i>Journal of Multi-Criteria Decision Analysis</i> , <b>1998</b> , 7, 1-2	1.9	7
41	An Interactive Search Method Based on User Preferences. <i>Decision Analysis</i> , <b>2008</b> , 5, 203-229	1.2	7
40	Accounting for political opinions, power, and influence: A Voting Advice Application. <i>European Journal of Operational Research</i> , <b>2018</b> , 266, 702-715	5.6	5
39	Constructing a strict total order for alternatives characterized by multiple criteria: An extension. <i>Naval Research Logistics</i> , <b>2014</b> , 61, 155-163	1.5	5
38	An interactive weight space reduction procedure for nonlinear multiple objective mathematical programming. <i>Mathematical Programming</i> , <b>2011</b> , 127, 425-444	2.1	5
37	Semantic Content Filtering with Wikipedia and Ontologies <b>2010</b> ,		5
36	Some Theory and an Approach to Solving Sequential Multiple-Criteria Decision Problems. <i>Journal of the Operational Research Society</i> , <b>1986</b> , 37, 501-508	2	5
35	The use of quasi-concave value functions in MCDM: some theoretical results. <i>Mathematical Methods of Operations Research</i> , <b>2017</b> , 86, 367-375	1	4
34	Road to robust prediction of choices in deterministic MCDM. <i>European Journal of Operational Research</i> , <b>2017</b> , 259, 229-235	5.6	4
33	On value efficiency. <i>Optimization</i> , <b>2014</b> , 63, 617-631	1.2	4
32	Operations research and its practice in Finland [An update. <i>European Journal of Operational Research</i> , <b>1995</b> , 87, 435-439	5.6	4
31	Investor Motivations and Decision Criteria in Equity Crowdfunding. <i>SSRN Electronic Journal</i> , <b>2017</b> ,	1	3
30	Interactive Multiple Objective Programming Methods. <i>Applied Optimization</i> , <b>2010</b> , 263-286		3
29	The Bread/Flour/Grain Trading Game: Bidding in and Designing Auction Events. <i>INFORMS Transactions on Education</i> , <b>2005</b> , 5, 42-54	0.3	3

28	Preference-Order Recursion for Finding Relevant Pure, Admissible and Optimal Statistical Decision Functions*. <i>Decision Sciences</i> , <b>1990</b> , 21, 521-532	3.7	3
27	Using convex preference cones in multiple criteria decision making and related fields. <i>Journal of Business Economics</i> , <b>2019</b> , 89, 699-717	2.3	2
26	The Secretary Problem Revisited - The Group Decision-Making Perspective. <i>Group Decision and Negotiation</i> , <b>1998</b> , 7, 3-21	2.5	2
25	A simulation and test of OptiMark's electronic matching algorithm and its simple variations for institutional block trading. <i>Decision Support Systems</i> , <b>2004</b> , 36, 235-245	5.6	2
24	Judgments of importance revisited: What do they mean?. <i>Journal of the Operational Research Society</i> , <b>2019</b> , 70, 1140-1148	2	2
23	An operational test for the existence of a consistent increasing quasi-concave value function. <i>European Journal of Operational Research</i> , <b>2021</b> , 289, 232-239	5.6	2
22	Growing pains and blessings: Manifestations and implications of equity crowdfunding industry maturation. <i>Decision Support Systems</i> , <b>2022</b> , 113768	5.6	2
21	On ratio-based RTS determination: An extension. <i>European Journal of Operational Research</i> , <b>2013</b> , 231, 242-243	5.6	1
20	Multiple Criteria Decision Making: Foundations and Some Approaches <b>2012</b> , 171-183		1
19	An Experimental Comparison of a Traditional English Clock Auction and a Web-Based Auction in a Multiple Unit Environment. <i>Electronic Markets</i> , <b>2003</b> , 13, 233-241	4.8	1
18	Principles for Solving Sequential Multiple Criteria Decision Problems. <i>Lecture Notes in Economics and Mathematical Systems</i> , <b>1983</b> , 195-203	0.4	1
17	A Methodology for Solving the Multiple Criteria Macroeconomic Policy Problem. <i>Lecture Notes in Economics and Mathematical Systems</i> , <b>1983</b> , 310-333	0.4	1
16	Recent Developments in our Approach to Multiple-Criteria Decision Making. <i>Lecture Notes in Economics and Mathematical Systems</i> , <b>1984</b> , 54-62	0.4	1
15	A Careful Look at Efficiency in Multiple Objective Linear Programming. <i>Lecture Notes in Economics and Mathematical Systems</i> , <b>1989</b> , 334-344	0.4	1
14	Robustness of efficiency scores in data envelopment analysis with interval scale data. <i>European Journal of Operational Research</i> , <b>2021</b> , 297, 1151-1151	5.6	0
13	Finding better alternatives than those considered in a multiple criteria data sample. <i>Journal of Business Economics</i> , <b>2016</b> , 86, 35-54	2.3	
12	A Decision Model for the Multiple Criteria Group Secretary Problem: Theoretical Considerations. <i>Journal of the Operational Research Society</i> , <b>1996</b> , 47, 1046	2	
11	On the influence of a biased decision support model on subjects behavior. <i>Journal of Business Economics</i> , <b>2007</b> , 77, 251-270	2.3	

10	On Using the AHP in Multiple Objective Linear Programming. <i>Managing Forest Ecosystems</i> , <b>2001</b> , 37-50	0.7
9	Choosing Among Known Alternatives. <i>Profiles in Operations Research</i> , <b>2020</b> , 75-89	1
8	How Do Humans Make Choices?. <i>Profiles in Operations Research</i> , <b>2020</b> , 21-30	1
7	Real-World Problems. <i>Profiles in Operations Research</i> , <b>2020</b> , 141-148	1
6	Different Paradigms of Decision-Making. <i>Profiles in Operations Research</i> , <b>2020</b> , 1-4	1
5	Making Operations More Efficient. <i>Profiles in Operations Research</i> , <b>2020</b> , 131-139	1
4	Solving Design Problems. <i>Profiles in Operations Research</i> , <b>2020</b> , 101-110	1
3	Decision-Making with Multiple ObjectivesSome Analytic Approaches <b>1979</b> , 59-68	
2	On rational behavior in multi-attribute riskless choice. <i>European Journal of Operational Research</i> , <b>2021</b> , 288, 331-342	5.6
1	How Can Decision Sciences and MCDM Help Solve Challenging World Problems?. <i>Multiple Criteria Decision Making</i> , <b>2022</b> , 59-71	1.4