

# Raimo P Härmäläinen

## List of Publications by Year in descending order

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114  
papers

4,623  
citations

109264

35  
h-index

106281

65  
g-index

119  
all docs

119  
docs citations

119  
times ranked

2611  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the measurement of preferences in the analytic hierarchy process. <i>Journal of Multi-Criteria Decision Analysis</i> , 1997, 6, 309-319.	1.0	326
2	On the convergence of multiattribute weighting methods. <i>European Journal of Operational Research</i> , 2001, 129, 569-585.	3.5	226
3	On the importance of behavioral operational research: The case of understanding and communicating about dynamic systems. <i>European Journal of Operational Research</i> , 2013, 228, 623-634.	3.5	201
4	Preference programming through approximate ratio comparisons. <i>European Journal of Operational Research</i> , 1995, 82, 458-475.	3.5	199
5	How to benefit from decision analysis in environmental life cycle assessment (LCA). <i>European Journal of Operational Research</i> , 1997, 102, 279-294.	3.5	187
6	Preference Assessment by Imprecise Ratio Statements. <i>Operations Research</i> , 1992, 40, 1053-1061.	1.2	185
7	Decision Support by Interval SMART/SWING-Incorporating Imprecision in the SMART and SWING Methods. <i>Decision Sciences</i> , 2005, 36, 317-339.	3.2	133
8	Participatory multicriteria decision analysis with Web-HIPRE: a case of lake regulation policy. <i>Environmental Modelling and Software</i> , 2004, 19, 537-547.	1.9	131
9	Web-Hipre: Global Decision Support By Value Tree And AHP Analysis. <i>Infor</i> , 2000, 38, 208-220.	0.5	126
10	Decision analysis interviews in environmental impact assessment. <i>European Journal of Operational Research</i> , 1995, 87, 551-563.	3.5	114
11	Evaluating a Framework for Multi-Stakeholder Decision Support in Water Resources Management. <i>Group Decision and Negotiation</i> , 2001, 10, 331-353.	2.0	104
12	The analytic network process in energy policy planning. <i>Socio-Economic Planning Sciences</i> , 1986, 20, 399-405.	2.5	102
13	Multi-criteria decision support and evaluation of strategies for nuclear remediation management†. <i>Omega</i> , 2009, 37, 238-251.	3.6	101
14	Multiattribute Risk Analysis in Nuclear Emergency Management. <i>Risk Analysis</i> , 2000, 20, 455-468.	1.5	96
15	An Experiment on the Numerical Modelling of Verbal Ratio Statements. <i>Journal of Multi-Criteria Decision Analysis</i> , 1997, 6, 1-10.	1.0	91
16	Searching for joint gains in multi-party negotiations. <i>European Journal of Operational Research</i> , 2001, 130, 54-69.	3.5	90
17	Generating Pareto Solutions in a Two-Party Setting: Constraint Proposal Methods. <i>Management Science</i> , 1999, 45, 1697-1709.	2.4	85
18	On the meaning of the distance-to-target weighting method and normalisation in Life Cycle Impact assessment. <i>International Journal of Life Cycle Assessment</i> , 2001, 6, 211.	2.2	73

#	ARTICLE	IF	CITATIONS
19	Behavioral and procedural consequences of structural variation in value trees. <i>European Journal of Operational Research</i> , 2001, 134, 216-227.	3.5	73
20	Modeling Pilot's Sequential Maneuvering Decisions by a Multistage Influence Diagram. <i>Journal of Guidance, Control, and Dynamics</i> , 2004, 27, 665-677.	1.6	72
21	The threat of weighting biases in environmental decision analysis. <i>Ecological Economics</i> , 2008, 68, 556-569.	2.9	72
22	A cooperative incentive equilibrium for a resource management problem. <i>Journal of Economic Dynamics and Control</i> , 1993, 17, 659-678.	0.9	70
23	Behavioural issues in environmental modelling – The missing perspective. <i>Environmental Modelling and Software</i> , 2015, 73, 244-253.	1.9	69
24	Analyzing AHP-matrices by regression. <i>European Journal of Operational Research</i> , 2003, 148, 514-524.	3.5	66
25	The Decision Analysis Interview Approach in the Collaborative Management of a Large Regulated Water Course. <i>Environmental Management</i> , 2008, 42, 1026-1042.	1.2	62
26	Multicriteria Decision Analysis in Group Decision Processes. <i>Advances in Group Decision and Negotiation</i> , 2010, , 269-283.	0.1	49
27	A decision aid in the public debate on nuclear power. <i>European Journal of Operational Research</i> , 1990, 48, 66-76.	3.5	48
28	Decisionarium-aiding decisions, negotiating and collecting opinions on the web. <i>Journal of Multi-Criteria Decision Analysis</i> , 2003, 12, 101-110.	1.0	48
29	Interactive computer support in decision conferencing: Two cases on off-site nuclear emergency management. <i>Decision Support Systems</i> , 2007, 42, 2247-2260.	3.5	47
30	Notes on the weighting biases in value trees. <i>Journal of Behavioral Decision Making</i> , 1998, 11, 139-150.	1.0	46
31	Interactive Multiple-Criteria Methods for Reaching Pareto Optimal Agreements in Negotiations. <i>Group Decision and Negotiation</i> , 2001, 10, 475-491.	2.0	46
32	Decision support for risk analysis in energy policy. <i>European Journal of Operational Research</i> , 1992, 56, 172-183.	3.5	45
33	Computer Assisted Energy Policy Analysis in the Parliament of Finland. <i>Interfaces</i> , 1988, 18, 12-23.	1.6	43
34	Constraint proposal method for computing Pareto solutions in multi-party negotiations. <i>European Journal of Operational Research</i> , 2001, 133, 44-61.	3.5	40
35	Why pay attention to paths in the practice of environmental modelling?. <i>Environmental Modelling and Software</i> , 2017, 92, 74-81.	1.9	39
36	Dynamic multi-objective heating optimization. <i>European Journal of Operational Research</i> , 2002, 142, 1-15.	3.5	37

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37	Facts or values – how do parliamentarians and experts see nuclear power?. Energy Policy, 1991, 19, 464-472.	4.2	34
38	On-line group decision support by preference programming in traffic planning. Group Decision and Negotiation, 1996, 5, 485-500.	2.0	34
39	Smart-Swaps – A decision support system for multicriteria decision analysis with the even swaps method. Decision Support Systems, 2007, 44, 313-325.	3.5	34
40	Cooperative consumers in a deregulated electricity market – dynamic consumption strategies and price coordination. Energy, 2000, 25, 857-875.	4.5	33
41	Systems intelligence – the way forward? A note on Ackoff's – why few organizations adopt systems thinking™. Systems Research and Behavioral Science, 2008, 25, 821-825.	0.9	33
42	Path dependence in Operational Research – How the modeling process can influence the results. Operations Research Perspectives, 2016, 3, 14-20.	1.2	33
43	Decision Theoretical Approach to Pilot Simulation. Journal of Aircraft, 1999, 36, 632-641.	1.7	32
44	Using intervals for global sensitivity and worst-case analyses in multiattribute value trees. European Journal of Operational Research, 2006, 174, 278-292.	3.5	31
45	Problem formulation for multi-criteria decision analysis: report of a workshop. Journal of Multi-Criteria Decision Analysis, 1998, 7, 242-262.	1.0	30
46	Portfolio decision analysis methods in environmental decision making. Environmental Modelling and Software, 2017, 94, 73-86.	1.9	29
47	Reversing the Perspective on the Applications of Decision Analysis. Decision Analysis, 2004, 1, 26-31.	1.2	28
48	Taking stock of behavioural OR: A review of behavioural studies with an intervention focus. European Journal of Operational Research, 2021, 293, 401-418.	3.5	28
49	A Preference Programming Approach to Make the Even Swaps Method Even Easier. Decision Analysis, 2005, 2, 110-123.	1.2	26
50	Path dependence and biases in the even swaps decision analysis method. European Journal of Operational Research, 2016, 249, 890-898.	3.5	25
51	The issue is understanding the weights. Journal of Multi-Criteria Decision Analysis, 1997, 6, 340-343.	1.0	22
52	Decision Structuring Dialogue. EURO Journal on Decision Processes, 2015, 3, 141-159.	1.8	22
53	On preference elicitation processes which mitigate the accumulation of biases in multi-criteria decision analysis. European Journal of Operational Research, 2020, 282, 201-210.	3.5	22
54	Customer level analysis of dynamic pricing experiments using consumption-pattern models. Energy, 1995, 20, 897-906.	4.5	21

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55	Optimal tariff design under consumer self-selection. <i>Energy Economics</i> , 1997, 19, 151-167.	5.6	20
56	There Is Hope In Attribute Weighting. <i>Infor</i> , 2000, 38, 272-282.	0.5	20
57	Optimal control of inspiratory airflow in breathing. <i>Optimal Control Applications and Methods</i> , 1984, 5, 177-191.	1.3	19
58	On Affine Incentives for Dynamic Decision Problems. <i>Lecture Notes in Economics and Mathematical Systems</i> , 1986, , 47-63.	0.3	19
59	A perspective on the restructuring of the Finnish electricity market. <i>Energy Policy</i> , 2000, 28, 181-192.	4.2	18
60	Systems intelligence inventory. <i>Learning Organization</i> , 2016, 23, 218-231.	0.7	18
61	Perspectives on team dynamics: Meta learning and systems intelligence. <i>Systems Research and Behavioral Science</i> , 2008, 25, 757-767.	0.9	17
62	Spontaneous decision conferencing with top-level politicians. <i>OR Insight</i> , 1996, 9, 24-28.	0.1	16
63	Distributed computation of Pareto solutions inn-player games. <i>Mathematical Programming</i> , 1996, 74, 29-45.	1.6	16
64	A dynamic interval goal programming approach to the regulation of a lake-river system. <i>Journal of Multi-Criteria Decision Analysis</i> , 2001, 10, 75-86.	1.0	14
65	Systems Intelligence: A Core Competence for Next-Generation Engineers?. , 2018, , .		14
66	Cartels and dynamic contracts in sharefishing. <i>Journal of Environmental Economics and Management</i> , 1990, 19, 175-192.	2.1	13
67	Records of engagement and decision making for environmental and socio-ecological challenges. <i>EURO Journal on Decision Processes</i> , 2019, 7, 243-265.	1.8	13
68	On the cheating problem in Stackelberg gamesâ€. <i>International Journal of Systems Science</i> , 1981, 12, 753-770.	3.7	12
69	Modeling Systems of Holding Back as Hypergames and their Connections with Systems Intelligence. <i>Systems Research and Behavioral Science</i> , 2015, 32, 593-602.	0.9	12
70	Engaging with Behavioral Operational Research: On Methods, Actors and Praxis. , 2016, , 3-25.		11
71	Web-Based Decision Support: Creating a Culture of Applying Multi-criteria Decision Analysis and Web-Supported Participation in Environmental Decision Making. <i>Advances in Group Decision and Negotiation</i> , 2010, , 201-221.	0.1	11
72	Preference Programming â€“ Multicriteria Weighting Models under Incomplete Information. <i>Applied Optimization</i> , 2010, , 167-187.	0.4	10

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73	On synthesizing a state regulator for analytic non-linear discrete-time systems. International Journal of Control, 1974, 20, 497-515.	1.2	9
74	On the Minimum Work Criterion in Optimal Control Models of Left-Ventricular Ejection. IEEE Transactions on Biomedical Engineering, 1985, BME-32, 951-956.	2.5	8
75	Indexes for fixed and flexible environmental target setting: a decision analytical perspective. International Journal of Environment and Pollution, 1999, 12, 147.	0.2	8
76	Mathematical modeling is more than fitting equations.. American Psychologist, 2014, 69, 633-634.	3.8	8
77	Intrapersonal Emotional Responses to the Inquiry and Advocacy Modes of Interaction: A Psychophysiological Study. Group Decision and Negotiation, 2018, 27, 933-948.	2.0	8
78	On-Line Group Decision Support by Preference Programming in Traffic Planning. , 1996, , 185-200.		8
79	Decisionarium - aiding decisions, negotiating and collecting opinions on the web. Journal of Multi-Criteria Decision Analysis, 2005, 13, 13-13.	1.0	7
80	On the systems intelligence of a learning organization: Introducing a new measure. Human Resource Development Quarterly, 2022, 33, 249-272.	2.1	7
81	Difference games with periodic information structures with application to the worst case design of regulators. International Journal of Systems Science, 1977, 8, 753-770.	3.7	6
82	Leadership in participatory modelling – Is there a need for it?. Environmental Modelling and Software, 2020, 133, 104834.	1.9	6
83	Using Intervals for Global Sensitivity Analyses in Multiattribute Value Trees. Lecture Notes in Economics and Mathematical Systems, 2001, , 177-186.	0.3	6
84	Myopic Stackelberg Equilibria and Social Coordination in a Share Contract Fishery. Marine Resource Economics, 1986, 3, 209-235.	1.1	6
85	Optimal periodic control strategies in a dynamic pricing problem. International Journal of Systems Science, 1979, 10, 197-205.	3.7	5
86	A game on the choice of policy variables in a dynamic resource management game. , 1982, , .		5
87	Construction of optimal affine incentive strategies for linear-quadratic stackelberg games. , 1985, , .		5
88	A Simulated Annealing Algorithm for Noisy Multiobjective Optimization. Journal of Multi-Criteria Decision Analysis, 2013, 20, 255-276.	1.0	5
89	On the measurement of preferences in the analytic hierarchy process. Journal of Multi-Criteria Decision Analysis, 1997, 6, 309-319.	1.0	5
90	Project Selection by an Integrated Decision Aid. , 1989, , 101-121.		5

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91	Recursive algorithms for Nash strategies in two-player difference games. International Journal of Control, 1978, 27, 229-237.	1.2	4
92	On the role of information in decentralized macro-economic stabilization. International Journal of Systems Science, 1978, 9, 799-811.	3.7	4
93	On the computation of Nash bargaining solution with an energy management example. , 1987, , .		4
94	Repeated bargaining under uncertainty. , 1989, , 178-185.		4
95	Prototyping Customized DSS with a Spreadsheet Programme. Journal of Decision Systems, 1997, 6, 391-402.	2.2	4
96	Stability of Fourier coefficients in relation to changes in respiratory air flow patterns. Medical Engineering and Physics, 2000, 22, 733-739.	0.8	4
97	<b>From the Editors</b> "Brainstorming, Multiplicative Utilities, Partial Information on Probabilities or Outcomes, and Regulatory Focus. Decision Analysis, 2012, 9, 297-302.	1.2	4
98	Design Gaming for Learning Systems Intelligence in Socio-Emotional Systems. Systems Research and Behavioral Science, 2022, 39, 163-167.	0.9	4
99	Multicriteria Methods for Group Decision Processes: An Overview. , 2021, , 863-891.		4
100	Load Analysis by Agent-Based Simulation of the Electricity Distribution System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1995, 28, 367-371.	0.4	3
101	Object-Oriented Modeling Software for Electric Load Analysis and Simulation. Simulation, 1996, 66, 275-288.	1.1	3
102	Relationships between weighting factors and normalisation in Life Cycle Impact assessment. International Journal of Life Cycle Assessment, 2001, 6, 218-218.	2.2	3
103	Multicriteria Methods for Group Decision Processes: An Overview. , 2021, , 1-29.		3
104	Participatory modelling and systems intelligence: A systems-based and transdisciplinary partnership. Socio-Economic Planning Sciences, 2022, 83, 101310.	2.5	3
105	On incentive design for dynamic decision problems. Journal of Economic Dynamics and Control, 1986, 10, 41-43.	0.9	2
106	Cheap talk and cooperation in Stackelberg games. Central European Journal of Operations Research, 2017, 25, 261-285.	1.1	2
107	An Experiment on the Numerical Modelling of Verbal Ratio Statements. Journal of Multi-Criteria Decision Analysis, 1997, 6, 1-10.	1.0	2
108	ON THE CAPABILITY OF THE FOURIER APPROXIMATION TO DESCRIBE BREATHING PATTERNS. Journal of Biological Systems, 1995, 03, 633-643.	0.5	1

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109	Modeling pilot's sequential maneuvering decisions by a multistage influence diagram. , 2001, , .		1
110	Perceived systems intelligence and performance in organizations. Learning Organization, 2022, 29, 100-115.	0.7	1
111	A dynamic interval goal programming approach to the regulation of a lake-river system. Journal of Multi-Criteria Decision Analysis, 2001, 10, 75-86.	1.0	1
112	Emotions in a repeated Cournot duopoly game: A psychophysiological experiment.. Journal of Neuroscience, Psychology, and Economics, 2017, 10, 9-23.	0.4	1
113	A decision support tool for multi-attribute evaluation of demand-side commercial battery storage products. Sustainable Energy Technologies and Assessments, 2022, 50, 101723.	1.7	1
114	Trajectory sensitivity reduction in non-zero-sum differential games. International Journal of Systems Science, 1980, 11, 207-222.	3.7	0