

Jutta Geldermann

List of Publications by Year in descending order

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99
papers

1,948
citations

279701

23
h-index

276775

41
g-index

104
all docs

104
docs citations

104
times ranked

1999
citing authors

#	ARTICLE	IF	CITATIONS
1	Fuzzy outranking for environmental assessment. Case study: iron and steel making industry. Fuzzy Sets and Systems, 2000, 115, 45-65.	1.6	256
2	What drives the profitability of household PV investments, self-consumption and self-sufficiency?. Applied Energy, 2017, 204, 1-15.	5.1	147
3	Multi-criteria decision support and evaluation of strategies for nuclear remediation management. Omega, 2009, 37, 238-251.	3.6	101
4	The varied contexts of environmental decision problems and their implications for decision support. Environmental Science and Policy, 2005, 8, 378-391.	2.4	99
5	Modified PROMETHEE approach for assessing energy technologies. International Journal of Energy Sector Management, 2010, 4, 183-212.	1.2	87
6	Agricultural and forest biomass for food, materials and energy: bio-economy as the cornerstone to cleaner production and more sustainable consumption patterns for accelerating the transition towards equitable, sustainable, post fossil-carbon societies. Journal of Cleaner Production, 2016, 117, 4-6.	4.6	58
7	Towards sustainable production networks. International Journal of Production Research, 2007, 45, 4207-4224.	4.9	57
8	The reference installation approach for the techno-economic assessment of emission abatement options and the determination of BAT according to the IPPC-directive. Journal of Cleaner Production, 2004, 12, 389-402.	4.6	56
9	Multi-criteria Analysis for Technique Assessment: Case Study from Industrial Coating. Journal of Industrial Ecology, 2005, 9, 127-142.	2.8	53
10	Integrated technique assessment with imprecise information as a support for the identification of best available techniques (BAT). OR Spectrum, 2001, 23, 137-157.	2.1	47
11	Efficient cogeneration and district heating systems in bioenergy villages: an optimization approach. Journal of Cleaner Production, 2015, 104, 305-314.	4.6	43
12	Sustainable logistics network for wood flow considering cascade utilisation. Journal of Cleaner Production, 2016, 110, 25-39.	4.6	43
13	Managing risks in the Indonesian seaweed supply chain. Clean Technologies and Environmental Policy, 2017, 19, 175-189.	2.1	42
14	Combining scenario planning, energy system analysis, and multi-criteria analysis to develop and evaluate energy scenarios. Journal of Cleaner Production, 2020, 242, 118414.	4.6	41
15	Adapting the European approach of Best Available Techniques: case studies from Chile and China. Journal of Cleaner Production, 2008, 16, 1856-1864.	4.6	37
16	Sensitivity analyses in multi-criteria decision support for off-site nuclear emergency and recovery management. International Journal of Energy Sector Management, 2007, 1, 342-365.	1.2	35
17	Supply planning for processors of agricultural raw materials. European Journal of Operational Research, 2015, 242, 606-619.	3.5	35
18	On the Similarities of Some Multi-Criteria Decision Analysis Methods. Journal of Multi-Criteria Decision Analysis, 2011, 18, 219-230.	1.0	32

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19	Software review: "Decision Lab 2000". Journal of Multi-Criteria Decision Analysis, 2001, 10, 317-323.	1.0	31
20	Proposal for an integrated approach for the assessment of cross-media aspects relevant for the determination of "best available techniques" in the European Union. International Journal of Life Cycle Assessment, 1999, 4, 94-106.	2.2	29
21	Integrated technique assessment based on the pinch analysis approach for the design of production networks. European Journal of Operational Research, 2006, 171, 1020-1032.	3.5	28
22	Using methods of Multi-Criteria Decision Making to provide decision support concerning local bioenergy projects. Socio-Economic Planning Sciences, 2019, 68, 100594.	2.5	25
23	Strategic planning of a multi-product wood-biorefinery production system. Journal of Cleaner Production, 2019, 211, 1502-1516.	4.6	24
24	Production planning by pinch analysis for biomass use in dynamic and seasonal markets. International Journal of Production Research, 2009, 47, 2079-2090.	4.9	22
25	Optimizing the production and distribution system of bioenergy villages. International Journal of Production Economics, 2014, 147, 62-72.	5.1	20
26	Evaluation of VOC recovery strategies. OR Spectrum, 2006, 28, 3-20.	2.1	18
27	Improving biorefinery planning: Integration of spatial data using exact optimization nested in an evolutionary strategy. European Journal of Operational Research, 2018, 264, 1005-1019.	3.5	18
28	Estimating the revenue potential of flexible biogas plants in the power sector. Energy Policy, 2019, 128, 402-410.	4.2	18
29	A Framework to Compare OR Models for Humanitarian Logistics. Procedia Engineering, 2014, 78, 22-28.	1.2	17
30	Optimising cascaded utilisation of wood resources considering economic and environmental aspects. Computers and Chemical Engineering, 2019, 124, 302-316.	2.0	17
31	Selection of the Best Inland Waterway Structure: A Multicriteria Decision Analysis Approach. Water Resources Management, 2015, 29, 2733-2749.	1.9	15
32	Using PROMETHEE to assess bioenergy pathways. Central European Journal of Operations Research, 2019, 27, 287-309.	1.1	15
33	Best available techniques in the sector of adhesives application. International Journal of Adhesion and Adhesives, 2004, 24, 85-91.	1.4	14
34	Integration of prospect theory into PROMETHEE - a case study concerning sustainable bioenergy concepts. International Journal of Multicriteria Decision Making, 2015, 5, 309.	0.1	14
35	Analyzing the packaging strategy of packaging-free supermarkets. Journal of Cleaner Production, 2021, 292, 126048.	4.6	14
36	Decision Support through Mass and Energy Flow Management in the Vehicle-Refinishing Sector. Journal of Industrial Ecology, 2004, 8, 173-187.	2.8	13

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37	Moderated Decision Support and Countermeasure Planning for Off-Site Emergency Management. , 2005, , 63-80.		13
38	Environmental decisions and electronic democracy. Journal of Multi-Criteria Decision Analysis, 2003, 12, 77-92.	1.0	12
39	Preference elicitation and sensitivity analysis in multicriteria group decision support for industrial risk and emergency management. International Journal of Emergency Management, 2008, 5, 7.	0.2	12
40	Techno-economic assessment of VOC-emission reduction strategies based on the ARGUS model. Environmental Modelling and Software, 2005, 20, 13-17.	1.9	11
41	Multi-criteria decision support and stakeholder involvement in emergency management. International Journal of Emergency Management, 2006, 3, 114.	0.2	11
42	Analysis of selected economic and environmental impacts of long distance manure transports to biogas plants. Biomass and Bioenergy, 2018, 109, 71-84.	2.9	11
43	Morphological analysis of energy scenarios. International Journal of Energy Sector Management, 2018, 12, 525-546.	1.2	11
44	Perspectives on Multi-criteria Decision Analysis and Life-Cycle Assessment. Multiple Criteria Decision Making, 2019, , 315-329.	0.6	11
45	Life Cycle Assessment of Synthetic Natural Gas Production from Different CO2 Sources: A Cradle-to-Gate Study. Energies, 2020, 13, 4579.	1.6	11
46	A logistic network to harmonise the development of local food system with safety and sustainability. International Journal of Integrated Supply Management, 2015, 9, 307.	0.2	10
47	Multi-criteria decision support based on iterative comparisons with reference points. Journal of Cleaner Production, 2016, 110, 99-108.	4.6	10
48	Assessment of product-service systems for increasing the energy efficiency of compressed air systems. European Journal of Industrial Engineering, 2016, 10, 341.	0.5	10
49	A local-level, multiple criteria decision aid for climate protection. EURO Journal on Decision Processes, 2014, 2, 121-152.	1.8	9
50	Renewables in the EU after 2020: a multi-criteria decision analysis in the context of the policy formation process. EURO Journal on Decision Processes, 2016, 4, 119-155.	1.8	9
51	MULTIDIMENSIONAL MONTE CARLO SENSITIVITY ANALYSIS IN MULTI-CRITERIA DECISION SUPPORT. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 141-146.	0.4	8
52	Peat and pots: An application of robust multiobjective optimization to a mixing problem in agriculture. Computers and Electronics in Agriculture, 2018, 154, 265-275.	3.7	8
53	Adopting Multiactor Multicriteria Analysis for the Evaluation of Energy Scenarios. Sustainability, 2021, 13, 2594.	1.6	8
54	The reference installation approach for the techno-economic assessment of emission abatement options and the determination of bat according to the IPPC-directive. International Journal of Life Cycle Assessment, 2000, 5, 194-194.	2.2	6

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55	Integrated scenario analysis for metal surface treatment. International Journal of Integrated Supply Management, 2004, 1, 219.	0.2	6
56	An integrated scenario analysis for the metal coating sector in Europe. Technological Forecasting and Social Change, 2007, 74, 1482-1507.	6.2	6
57	The reference installation approach for the estimation of industrial assets at risk. European Journal of Industrial Engineering, 2008, 2, 73.	0.5	6
58	Assessment of Different Bioenergy Concepts in Terms of Sustainable Development. , 2013, , 339-384.		6
59	Integrierte Technikbewertung bei unvollständigen Informationen als Unterstützung für die Bestimmung von Besten Verfügbaren Techniken (BVT). , 2001, , 69-89.		6
60	Determinants of economically optimal cassava-to-ethanol plant capacities with consideration of GHG emissions. Applied Thermal Engineering, 2014, 70, 1246-1252.	3.0	5
61	Simultaneously optimizing the capacity and configuration of biorefineries. Computers and Industrial Engineering, 2018, 124, 12-23.	3.4	5
62	Multi-Criteria Decision Support and Uncertainty Handling, Propagation and Visualisation for Emergency and Remediation Management. , 2006, , 755-760.		5
63	Preference Sensitivity Analyses for Multi-Attribute Decision Support. , 2007, , 411-416.		5
64	Ecological assessment of the environmental impacts of the kerosene burning in jet turbines and its improvement assessment. Environmental Science and Pollution Research, 1999, 6, 115-121.	2.7	4
65	Research on innovative information-flow management of e-waste recycling network based on cloud computing. , 2010, , .		4
66	Multi-Criteria Analysis of Grid Expansion Concepts on the Low Voltage Level. Zeitschrift für Energiewirtschaft, 2014, 38, 183-200.	0.2	4
67	Operating Strategies for Battery Storage Systems in Low-Voltage Grids to Limit the Feed-In Power of Solar Power Systems Using Fuzzy Control. Zeitschrift für Energiewirtschaft, 2017, 41, 169-186.	0.2	4
68	Life cycle assessment of passively aerated composting in gas-permeable bags of olive mill waste. International Journal of Life Cycle Assessment, 2019, 24, 281-296.	2.2	4
69	Towards an Integrated Development and Sustainability Evaluation of Energy Scenarios Assisted by Automated Information Exchange. Communications in Computer and Information Science, 2019, , 3-26.	0.4	4
70	Call for papers: Special Volume of the Journal of Cleaner Production on: "Improved resource efficiency and cascading utilisation of renewable materials". Journal of Cleaner Production, 2014, 68, 1-3.	4.6	3
71	Agent-based model of the German heating market: Simulations concerning the use of wood pellets and the sustainability of the market. , 2017, , .		3
72	Optimising power grids using batteries and fuzzy control of photovoltaic generation. Proceedings of Institution of Civil Engineers: Energy, 2018, 171, 32-36.	0.5	3

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73	Improving planning by integrating spatial data into decision support systems. Journal of Decision Systems, 2019, 28, 309-329.	2.2	3
74	Multi-criteria Evaluation of the Transition of Power Generation Systems. , 2019, , 121-141.		3
75	Some thoughts on weighting in participatory decision making and e-democracy. International Journal of Technology, Policy and Management, 2007, 7, 178.	0.1	2
76	Technique assessment for eco-industrial parks in China. World Review of Science, Technology and Sustainable Development, 2010, 8, 47.	0.3	2
77	Ressourceneffizienz in Unternehmensnetzwerken – Methoden zur betrieblichen und ¼berbetrieblichen Planung f¼r die Nutzung erneuerbarer Rohstoffe. , 2016, , 491-508.		2
78	Dealing with conflicting targets by using group decision making within PROMETHEE. Operations Research Proceedings: Papers of the Annual Meeting = Vortr¼ge Der Jahrestagung / DGOR, 2012, , 115-120.	0.1	2
79	Explanation Systems. Advances in Group Decision and Negotiation, 2010, , 241-259.	0.1	2
80	Towards an Integrated Sustainability Evaluation of Energy Scenarios with Automated Information Exchange. , 2017, , .		2
81	Development of an Information System for the Assessment of different Bioenergy Concepts Regarding Sustainable Development. , 2010, , 318-336.		2
82	Combining multi-criteria decision analysis and design thinking. European Journal of Industrial Engineering, 2018, 12, 708.	0.5	1
83	Sustainability Assessment of Concepts for Energetic Use of Biomass: A Multi-Criteria Decision Support Approach. Operations Research Proceedings: Papers of the Annual Meeting = Vortr¼ge Der Jahrestagung / DGOR, 2014, , 77-82.	0.1	1
84	Einsatz nachwachsender Rohstoffe in der Produktion und Konsequenzen f¼r die Planung. , 2012, , 191-213.		1
85	Combining multi-criteria decision analysis and design thinking. European Journal of Industrial Engineering, 2018, 12, 708.	0.5	1
86	Umwelttechnischer Fortschritt und Innovationsmanagement in China. , 2006, , 377-392.		1
87	WASTE MANAGEMENT IN THE REPUBLIC OF IRELAND. Environmental Policy and Governance, 1996, 6, 141-149.	0.4	0
88	Int. J. LCA Vol. 4, No. 2, pp. 94–106 (1999). Environmental Science and Pollution Research, 1999, 6, 121-121.	2.7	0
89	Development of a multicriteria decision support system for integrated technique assessment. International Journal of Life Cycle Assessment, 2000, 5, 144-144.	2.2	0
90	Mass and energy flow management in the sector of surface treatment. Macromolecular Symposia, 2002, 187, 801-810.	0.4	0

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91	Optimization Model on Sensitivity Analyses for Additive MADM. , 2006, , .		0
92	Research on STOF-Model-Based Innovation of E-Waste Recycling Service System. , 2010, , .		0
93	Ä–kobilanzierung in der IT. Hmd, 2010, 47, 65-73.	0.3	0
94	Development of aÄNetwork-location-model for the Economic Optimization of Local Heating Systems in Urban Chile. Zeitschrift FÄ¼r Energiewirtschaft, 2018, 42, 21-33.	0.2	0
95	Identification of sustainable expansion alternatives for heterogeneous grid topologies. International Journal of Energy Sector Management, 2018, 12, 44-66.	1.2	0
96	Further Development of MADM-Approaches in China and in Germany. , 2003, , 525-532.		0
97	Development of an Information System for the Assessment of Different Bioenergy Concepts Regarding Sustainable Development. , 2012, , 274-292.		0
98	Optimising Bioenergy Villagesâ€™ Local Heat Supply Networks. , 2013, , 219-238.		0
99	Production Planning in Dynamic and Seasonal Markets. , 2007, , 509-514.		0