

Cathy Macharis

List of Publications by Year in descending order

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85
papers

4,668
citations

94381

37
h-index

102432

66
g-index

86
all docs

86
docs citations

86
times ranked

3912
citing authors

#	ARTICLE	IF	CITATIONS
1	PROMETHEE and AHP: The design of operational synergies in multicriteria analysis.. European Journal of Operational Research, 2004, 153, 307-317.	3.5	617
2	Reviewing the use of Multi-Criteria Decision Analysis for the evaluation of transport projects: Time for a multi-actor approach. Transport Policy, 2015, 37, 177-186.	3.4	222
3	Multi actor multi criteria analysis (MAMCA) as a tool to support sustainable decisions: State of use. Decision Support Systems, 2012, 54, 610-620.	3.5	192
4	Planning Problems in Intermodal Freight Transport: Accomplishments and Prospects. Transportation Planning and Technology, 2008, 31, 277-302.	0.9	187
5	The multi-actor, multi-criteria analysis methodology (MAMCA) for the evaluation of transport projects: Theory and practice. Journal of Advanced Transportation, 2009, 43, 183-202.	0.9	157
6	Decision support in intermodal transport: A new research agenda. Computers in Industry, 2013, 64, 105-112.	5.7	151
7	A Range-Based Vehicle Life Cycle Assessment Incorporating Variability in the Environmental Assessment of Different Vehicle Technologies and Fuels. Energies, 2014, 7, 1467-1482.	1.6	137
8	A combined AHP-PROMETHEE approach for selecting the most appropriate policy scenario to stimulate a clean vehicle fleet. Procedia, Social and Behavioral Sciences, 2011, 20, 954-965.	0.5	116
9	The Multi-Actor Multi-Criteria Analysis (MAMCA) application in the Flemish long-term decision making process on mobility and logistics. Transport Policy, 2010, 17, 303-311.	3.4	109
10	Multi-criteria analysis and the resolution of sustainable development dilemmas: A stakeholder management approach. European Journal of Operational Research, 2013, 224, 122-131.	3.5	109
11	The market potential for plug-in hybrid and battery electric vehicles in Flanders: A choice-based conjoint analysis. Transportation Research, Part D: Transport and Environment, 2012, 17, 592-597.	3.2	103
12	The hourly life cycle carbon footprint of electricity generation in Belgium, bringing a temporal resolution in life cycle assessment. Applied Energy, 2014, 134, 469-476.	5.1	93
13	Towards freight transport system unification: reviewing and combining the advancements in the physical internet and synchromodal transport research. International Journal of Production Research, 2019, 57, 1606-1623.	4.9	91
14	A multi-actor multi-criteria framework to assess the stakeholder support for different biofuel options: The case of Belgium. Energy Policy, 2011, 39, 200-214.	4.2	87
15	Sustainable urban freight transport in megacities in emerging markets. Sustainable Cities and Society, 2017, 32, 31-41.	5.1	85
16	Does a Mobile Depot Make Urban Deliveries Faster, More Sustainable and More Economically Viable: Results of a Pilot Test in Brussels. Transportation Research Procedia, 2014, 4, 361-373.	0.8	83
17	Shipping outside the box. Environmental impact and stakeholder analysis of a crowd logistics platform in Belgium. Journal of Cleaner Production, 2018, 202, 806-816.	4.6	82
18	Integration of inland waterway transport in the intermodal supply chain: a taxonomy of research challenges. Journal of Transport Geography, 2014, 41, 126-136.	2.3	79

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19	The 4 A's of sustainable city distribution: Innovative solutions and challenges ahead. <i>International Journal of Sustainable Transportation</i> , 2017, 11, 59-71.	2.1	77
20	Assessing policy measures for the stimulation of intermodal transport: a GIS-based policy analysis. <i>Journal of Transport Geography</i> , 2009, 17, 500-508.	2.3	74
21	Range-based Multi-Actor Multi-Criteria Analysis: A combined method of Multi-Actor Multi-Criteria Analysis and Monte Carlo simulation to support participatory decision making under uncertainty. <i>European Journal of Operational Research</i> , 2018, 264, 257-269.	3.5	69
22	Exploring the choice of battery electric vehicles in city logistics: A conjoint-based choice analysis. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2016, 91, 245-258.	3.7	67
23	Travel-based multitasking: review of the empirical evidence. <i>Transport Reviews</i> , 2018, 38, 162-183.	4.7	66
24	Risk analysis system for the transport of hazardous materials. <i>Journal of Safety Research</i> , 2013, 45, 55-63.	1.7	65
25	Health impact assessment of air pollution using a dynamic exposure profile: Implications for exposure and health impact estimates. <i>Environmental Impact Assessment Review</i> , 2012, 36, 42-51.	4.4	64
26	Consumer attitudes towards battery electric vehicles: a large-scale survey. <i>International Journal of Electric and Hybrid Vehicles</i> , 2013, 5, 28.	0.2	61
27	How persuasive is "free" public transport?. <i>Transport Policy</i> , 2008, 15, 216-224.	3.4	59
28	A decision support framework for intermodal transport policy. <i>European Transport Research Review</i> , 2011, 3, 167-178.	2.3	59
29	A stakeholder-based multicriteria evaluation framework for city distribution. <i>Research in Transportation Business and Management</i> , 2014, 11, 75-84.	1.6	57
30	THE APPLICABILITY OF MULTICRITERIA-ANALYSIS TO THE EVALUATION OF INTELLIGENT TRANSPORT SYSTEMS (ITS). <i>Research in Transportation Economics</i> , 2004, 8, 151-179.	2.2	55
31	Health burden of road traffic accidents, an analysis of clinical data on disability and mortality exposure rates in Flanders and Brussels. <i>Accident Analysis and Prevention</i> , 2013, 50, 659-666.	3.0	50
32	Improving urban freight transport sustainability: Policy assessment framework and case study. <i>Research in Transportation Economics</i> , 2017, 64, 26-35.	2.2	47
33	THE STRATEGIC EVALUATION OF NEW TECHNOLOGIES THROUGH MULTICRITERIA ANALYSIS: THE ADVISORS CASE. <i>Research in Transportation Economics</i> , 2004, 8, 443-462.	2.2	46
34	A multi-actor multi-criteria analysis of the performance of global cities. <i>Applied Geography</i> , 2014, 49, 24-36.	1.7	46
35	Is there Life After Subsidy for an Urban Consolidation Centre? An Investigation of the Total Costs and Benefits of a Privately-initiated Concept. <i>Transportation Research Procedia</i> , 2016, 12, 357-369.	0.8	41
36	How Does Consumers' Omnichannel Shopping Behaviour Translate into Travel and Transport Impacts? Case-Study of a Footwear Retailer in Belgium. <i>Sustainability</i> , 2019, 11, 2534.	1.6	40

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37	Improving policy support in city logistics: The contributions of a multi-actor multi-criteria analysis. Case Studies on Transport Policy, 2018, 6, 554-563.	1.1	39
38	Modelling alternative distribution set-ups for fragmented last mile transport: Towards more efficient and sustainable urban freight transport. Case Studies on Transport Policy, 2018, 6, 125-132.	1.1	38
39	Integrated health impact assessment of travel behaviour: Model exploration and application to a fuel price increase. Environment International, 2013, 51, 45-58.	4.8	37
40	Making hinterland transport more sustainable a multi actor multi criteria analysis. Research in Transportation Business and Management, 2015, 14, 80-89.	1.6	35
41	Modal choice preferences in short-distance hinterland container transport. Research in Transportation Business and Management, 2017, 23, 46-53.	1.6	33
42	Emergence of security in supply chain management literature. Journal of Transportation Security, 2010, 3, 287-302.	0.9	32
43	Total Cost for Society: A persona-based analysis of electric and conventional vehicles. Transportation Research, Part D: Transport and Environment, 2018, 64, 90-110.	3.2	31
44	Private household demand for vehicles on alternative fuels and drive trains: a review. European Transport Research Review, 2013, 5, 149-164.	2.3	30
45	Location Analysis Model for Belgian Intermodal Terminals: Importance of the value of time in the intermodal transport chain. Computers in Industry, 2013, 64, 113-120.	5.7	30
46	Participatory evaluation of regional light rail scenarios: A Flemish case on sustainable mobility and land-use. Environmental Science and Policy, 2014, 37, 101-120.	2.4	30
47	Unlocking the failed delivery problem? Opportunities and challenges for smart locks from a consumer perspective. Research in Transportation Economics, 2021, 87, 100753.	2.2	30
48	A stakeholder-based methodology to enhance the success of urban freight transport measures in a multi-level governance context. Research in Transportation Economics, 2017, 65, 10-23.	2.2	28
49	How to Improve the Total Cost of Ownership of Electric Vehicles: An Analysis of the Light Commercial Vehicle Segment. World Electric Vehicle Journal, 2019, 10, 90.	1.6	27
50	Implementing electric vehicles in urban distribution: A discrete event simulation. World Electric Vehicle Journal, 2013, 6, 38-47.	1.6	26
51	Sharing is caring: How non-financial incentives drive sustainable e-commerce delivery. Transportation Research, Part D: Transport and Environment, 2021, 93, 102794.	3.2	25
52	Strategic Scenarios for Sustainable Urban Distribution in the Brussels-capital Region Using Urban Consolidation Centres. Transportation Research Procedia, 2016, 12, 598-612.	0.8	24
53	Sustainability versus stakeholder preferences: Searching for synergies in urban and regional mobility measures. Research in Transportation Economics, 2016, 55, 40-49.	2.2	24
54	Intermodal land transportation systems and port choice, an analysis of stated choices among shippers in the Rhine-Scheldt delta. Maritime Policy and Management, 2016, 43, 992-1004.	1.9	24

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55	Combining Intermodal Transport With Electric Vehicles: Towards More Sustainable Solutions. <i>Transportation Planning and Technology</i> , 2007, 30, 311-323.	0.9	23
56	Transition through dialogue: A stakeholder based decision process for cities: The case of city distribution. <i>Habitat International</i> , 2015, 45, 82-91.	2.3	23
57	Pathways to Decarbonise the European Car Fleet: A Scenario Analysis Using the Backcasting Approach. <i>Energies</i> , 2018, 11, 20.	1.6	22
58	Delivery to homes or collection points? A sustainability analysis for urban, urbanised and rural areas in Belgium. <i>Journal of Transport Geography</i> , 2021, 94, 103095.	2.3	22
59	Who is in Favor of off-hour Deliveries to Brussels Supermarkets? Applying Multi Actor Multi Criteria Analysis (MAMCA) to Measure Stakeholder Support. <i>Transportation Research Procedia</i> , 2016, 12, 522-532.	0.8	21
60	Should I Stay or Should I Go? Assessing Intermodal and Synchronodal Resilience from a Decentralized Perspective. <i>Sustainability</i> , 2019, 11, 1765.	1.6	20
61	Stakeholder objectives for joining an energy community: Flemish case studies. <i>Energy Policy</i> , 2022, 162, 112808.	4.2	20
62	Assessing the environmental impact of inland waterway transport using a life-cycle assessment approach: The case of Flanders. <i>Research in Transportation Business and Management</i> , 2014, 12, 29-40.	1.6	16
63	Innovation in Urban Freight Transport: The Triple Helix Model. <i>Transportation Research Procedia</i> , 2016, 14, 1250-1259.	0.8	16
64	A stakeholder-based assessment framework applied to evaluate development scenarios for the spatial data infrastructure for Flanders. <i>Computers, Environment and Urban Systems</i> , 2014, 46, 45-56.	3.3	15
65	Designing successful energy communities: A comparison of seven pilots in Europe applying the Multi-Actor Multi-Criteria Analysis. <i>Energy Research and Social Science</i> , 2022, 90, 102671.	3.0	15
66	A dynamic approach to measure the impact of freight transport on air quality in cities. <i>Journal of Cleaner Production</i> , 2019, 240, 118192.	4.6	14
67	Building Bridges: A Participatory Stakeholder Framework for Sustainable Urban Construction Logistics. <i>Sustainability</i> , 2021, 13, 2678.	1.6	14
68	Multi-actor multi-criteria analysis for sustainable city distribution: a new assessment framework. <i>International Journal of Multicriteria Decision Making</i> , 2015, 5, 334.	0.1	13
69	Longer and heavier vehicles in Belgium: A threat for the intermodal sector?. <i>Transportation Research, Part D: Transport and Environment</i> , 2018, 61, 459-470.	3.2	13
70	Agent-Based Digital Twins (ABM-Dt) In Synchronodal Transport and Logistics: the Fusion of Virtual and Physical Spaces. , 2020, , .		13
71	Collaborative decision-making in sustainable mobility: identifying possible consensus in the multi-actor multi-criteria analysis based on inverse mixed-integer linear optimization. <i>International Journal of Sustainable Development and World Ecology</i> , 2021, 28, 64-74.	3.2	12
72	Multiactor Participatory Decision Making in Urban Construction Logistics. <i>Transportation Research Record</i> , 2016, 2547, 83-90.	1.0	10

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73	Evolution of urban mobility behaviour in Brussels as a result of the COVID-19 pandemic. Regional Science Policy and Practice, 2022, 14, 107-121.	0.8	10
74	How Total is a Total Cost of Ownership?. World Electric Vehicle Journal, 2016, 8, 742-753.	1.6	8
75	The Multi-Actor Multi-Criteria Analysis (MAMCA): New Software and New Visualizations. Lecture Notes in Business Information Processing, 2020, , 43-56.	0.8	8
76	Application of Multi-Actor Multi-Criteria Analysis for Transition Management in Energy Communities. Sustainability, 2021, 13, 1783.	1.6	7
77	The 5E Model of Environmental Engagement: Bringing Sustainability Change to Higher Education through Positive Psychology. Sustainability, 2019, 11, 241.	1.6	6
78	Citizen observatory for mobility: a conceptual framework. Transport Reviews, 2019, 39, 485-510.	4.7	6
79	How can multi-criteria analysis support deliberative spatial planning? A critical review of methods and participatory frameworks. Evaluation, 2021, 27, 492-509.	0.7	6
80	Can the COVID-19 Crisis be a Catalyst for Transition to Sustainable Urban Mobility? Assessment of the Medium- and Longer-Term Impact of the COVID-19 Crisis on Mobility in Brussels. Frontiers in Sustainability, 2021, 2, .	1.3	5
81	Technical requirements for organising successful mobility campaigns in citizen observatories. Transportation Research Procedia, 2020, 48, 1418-1429.	0.8	4
82	The Multi-Actor Multi-Criteria Analysis (MAMCA) for Mass-Participation Decision Making. Lecture Notes in Business Information Processing, 2021, , 3-17.	0.8	4
83	Transferia: solving local pain or bringing global gain?. International Journal of Logistics Research and Applications, 2018, 21, 148-159.	5.6	3
84	The Multi-Actor Multi-Criteria Analysis (MAMCA) Tool: Methodological Adaptations and Visualizations. Advances in Intelligent Systems and Computing, 2018, , 39-53.	0.5	3
85	Intermodal and Synchronodal Freight Transport. , 2021, , 456-462.		1