Cathy Macharis

List of Publications by Year
in descending order

85	4,668	94381	102432
papers	citations	37 h-index	66 g-index

86	86	86	3912
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stakeholder objectives for joining an energy community: Flemish case studies. Energy Policy, 2022, 162, 112808.	4.2	20
2	Evolution of urban mobility behaviour in Brussels as a result of the COVIDâ€19 pandemic. Regional Science Policy and Practice, 2022, 14, 107-121.	0.8	10
3	Designing successful energy communities: A comparison of seven pilots in Europe applying the Multi-Actor Multi-Criteria Analysis. Energy Research and Social Science, 2022, 90, 102671.	3.0	15
4	Collaborative decision-making in sustainable mobility: identifying possible consensuses in the multi-actor multi-criteria analysis based on inverse mixed-integer linear optimization. International Journal of Sustainable Development and World Ecology, 2021, 28, 64-74.	3.2	12
5	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
6	Intermodal and Synchromodal Freight Transport. , 2021, , 456-462.		1
7	Application of Multi-Actor Multi-Criteria Analysis for Transition Management in Energy Communities. Sustainability, 2021, 13, 1783.	1.6	7
8	Building Bridges: A Participatory Stakeholder Framework for Sustainable Urban Construction Logistics. Sustainability, 2021, 13, 2678.	1.6	14
9	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
10	Delivery to homes or collection points? A sustainability analysis for urban, urbanised and rural areas in Belgium. Journal of Transport Geography, 2021, 94, 103095.	2.3	22
11	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
12	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
13	The Multi-Actor Multi-Criteria Analysis (MAMCA) for Mass-Participation Decision Making. Lecture Notes in Business Information Processing, 2021, , 3-17.	0.8	4
14	Technical requirements for organising successful mobility campaigns in citizen observatories. Transportation Research Procedia, 2020, 48, 1418-1429.	0.8	4
15	Agent-Based Digital Twins (ABM-Dt) In Synchromodal Transport and Logistics: the Fusion of Virtual and Pysical Spaces. , 2020, , .		13
16	The Multi-Actor Multi-Criteria Analysis (MAMCA): New Software and New Visualizations. Lecture Notes in Business Information Processing, 2020, , 43-56.	0.8	8
17	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
18	A dynamic approach to measure the impact of freight transport on air quality in cities. Journal of Cleaner Production, 2019, 240, 118192.	4.6	14

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19	The 5E Model of Environmental Engagement: Bringing Sustainability Change to Higher Education through Positive Psychology. Sustainability, 2019, 11, 241.	1.6	6
20	How Does Consumersâ€™ Omnichannel Shopping Behaviour Translate into Travel and Transport Impacts? Case-Study of a Footwear Retailer in Belgium. Sustainability, 2019, 11, 2534.	1.6	40
21	Should I Stay or Should I Go? Assessing Intermodal and Synchromodal Resilience from a Decentralized Perspective. Sustainability, 2019, 11, 1765.	1.6	20
22	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
23	Citizen observatory for mobility: a conceptual framework. Transport Reviews, 2019, 39, 485-510.	4.7	6
24	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
25	Transferia: solving local pain or bringing global gain?. International Journal of Logistics Research and Applications, 2018, 21, 148-159.	5.6	3
26	Longer and heavier vehicles in Belgium: A threat for the intermodal sector?. Transportation Research, Part D: Transport and Environment, 2018, 61, 459-470.	3.2	13
27	Travel-based multitasking: review of the empirical evidence. Transport Reviews, 2018, 38, 162-183.	4.7	66
28	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. European Journal of Operational Research, 2018, 264, 257-269.	3.5	69
29	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
30	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
31	Pathways to Decarbonise the European Car Fleet: A Scenario Analysis Using the Backcasting Approach. Energies, 2018, 11, 20.	1.6	22
32	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
33	The Multi-Actor Multi-Criteria Analysis (MAMCA) Tool: Methodological Adaptations and Visualizations. Advances in Intelligent Systems and Computing, 2018, , 39-53.	0.5	3
34	The 4 A's of sustainable city distribution: Innovative solutions and challenges ahead. International Journal of Sustainable Transportation, 2017, 11, 59-71.	2.1	77
35	Modal choice preferences in short-distance hinterland container transport. Research in Transportation Business and Management, 2017, 23, 46-53.	1.6	33
36	Sustainable urban freight transport in megacities in emerging markets. Sustainable Cities and Society, 2017, 32, 31-41.	5.1	85

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37	Improving urban freight transport sustainability: Policy assessment framework and case study. Research in Transportation Economics, 2017, 64, 26-35.	2.2	47
38	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
39	How Total is a Total Cost of Ownership?. World Electric Vehicle Journal, 2016, 8, 742-753.	1.6	8
40	Exploring the choice of battery electric vehicles in city logistics: A conjoint-based choice analysis. Transportation Research, Part E: Logistics and Transportation Review, 2016, 91, 245-258.	3.7	67
41	Who is in Favor of off-hour Deliveries to Brussels Supermarkets? Applying Multi Actor Multi Criteria Analysis (MAMCA) to Measure Stakeholder Support. Transportation Research Procedia, 2016, 12, 522-532.	0.8	21
42	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
43	Sustainability versus stakeholder preferences: Searching for synergies in urban and regional mobility measures. Research in Transportation Economics, 2016, 55, 40-49.	2.2	24
44	Intermodal land transportation systems and port choice, an analysis of stated choices among shippers in the Rhineâ€“Scheldt delta. Maritime Policy and Management, 2016, 43, 992-1004.	1.9	24
45	Innovation in Urban Freight Transport: The Triple Helix Model. Transportation Research Procedia, 2016, 14, 1250-1259.	0.8	16
46	Multiactor Participatory Decision Making in Urban Construction Logistics. Transportation Research Record, 2016, 2547, 83-90.	1.0	10
47	Is there Life After Subsidy for an Urban Consolidation Centre? An Investigation of the Total Costs and Benefits of a Privately-initiated Concept. Transportation Research Procedia, 2016, 12, 357-369.	0.8	41
48	Multi-actor multi-criteria analysis for sustainable city distribution: a new assessment framework. International Journal of Multicriteria Decision Making, 2015, 5, 334.	0.1	13
49	Transition through dialogue: A stakeholder based decision process for cities: The case of city distribution. Habitat International, 2015, 45, 82-91.	2.3	23
50	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
51	Making hinterland transport more sustainable a multi actor multi criteria analysis. Research in Transportation Business and Management, 2015, 14, 80-89.	1.6	35
52	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
53	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
54	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

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55	A multi-actor multi-criteria analysis of the performance of global cities. Applied Geography, 2014, 49, 24-36.	1.7	46
56	Assessing the environmental impact of inland waterway transport using a life-cycle assessment approach: The case of Flanders. Research in Transportation Business and Management, 2014, 12, 29-40.	1.6	16
57	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
58	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
59	A stakeholder-based multicriteria evaluation framework for city distribution. Research in Transportation Business and Management, 2014, 11, 75-84.	1.6	57
60	A stakeholder-based assessment framework applied to evaluate development scenarios for the spatial data infrastructure for Flanders. Computers, Environment and Urban Systems, 2014, 46, 45-56.	3.3	15
61	Private household demand for vehicles on alternative fuels and drive trains: a review. European Transport Research Review, 2013, 5, 149-164.	2.3	30
62	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
63	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
64	Risk analysis system for the transport of hazardous materials. Journal of Safety Research, 2013, 45, 55-63.	1.7	65
65	Decision support in intermodal transport: A new research agenda. Computers in Industry, 2013, 64, 105-112.	5.7	151
66	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
67	Health burden of road traffic accidents, an analysis of clinical data on disability and mortality exposure rates in Flanders and Brussels. Accident Analysis and Prevention, 2013, 50, 659-666.	3.0	50
68	Consumer attitudes towards battery electric vehicles: a large-scale survey. International Journal of Electric and Hybrid Vehicles, 2013, 5, 28.	0.2	61
69	Implementing electric vehicles in urban distribution: A discrete event simulation. World Electric Vehicle Journal, 2013, 6, 38-47.	1.6	26
70	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
71	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
72	Health impact assessment of air pollution using a dynamic exposure profile: Implications for exposure and health impact estimates. Environmental Impact Assessment Review, 2012, 36, 42-51.	4.4	64

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73	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
74	A decision support framework for intermodal transport policy. European Transport Research Review, 2011, 3, 167-178.	2.3	59
75	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
76	Emergence of security in supply chain management literature. Journal of Transportation Security, 2010, 3, 287-302.	0.9	32
77	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
78	The multiâ€actor, multiâ€criteria analysis methodology (MAMCA) for the evaluation of transport projects: Theory and practice. Journal of Advanced Transportation, 2009, 43, 183-202.	0.9	157
79	Assessing policy measures for the stimulation of intermodal transport: a GIS-based policy analysis. Journal of Transport Geography, 2009, 17, 500-508.	2.3	74
80	Planning Problems in Intermodal Freight Transport: Accomplishments and Prospects. Transportation Planning and Technology, 2008, 31, 277-302.	0.9	187
81	How persuasive is â€˜freeâ€™ public transport?. Transport Policy, 2008, 15, 216-224.	3.4	59
82	Combining Intermodal Transport With Electric Vehicles: Towards More Sustainable Solutions. Transportation Planning and Technology, 2007, 30, 311-323.	0.9	23
83	PROMETHEE and AHP: The design of operational synergies in multicriteria analysis.. European Journal of Operational Research, 2004, 153, 307-317.	3.5	617
84	THE APPLICABILITY OF MULTICRITERIA-ANALYSIS TO THE EVALUATION OF INTELLIGENT TRANSPORT SYSTEMS (ITS). Research in Transportation Economics, 2004, 8, 151-179.	2.2	55
85	THE STRATEGIC EVALUATION OF NEW TECHNOLOGIES THROUGH MULTICRITERIA ANALYSIS: THE ADVISORS CASE. Research in Transportation Economics, 2004, 8, 443-462.	2.2	46