Karel Martens

List of Publications by Year
in descending order

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62 papers	2,345 citations	279778 23 h-index	223791 46 g-index
70 all docs	70 docs citations	70 times ranked	1811 citing authors

#	Article	IF	Citations
1	The bicycle as a feedering mode: experiences from three European countries. Transportation Research, Part D: Transport and Environment, 2004, 9, 281-294.	6.8	278
2	PARKAGENT: An agent-based model of parking in the city. Computers, Environment and Urban Systems, 2008, 32, 431-439.	7.1	199
3	Justice in transport as justice in accessibility: applying Walzerâ€™s â€˜Spheres of Justiceâ€™ to the transport sector. Transportation, 2012, 39, 1035-1053.	4.0	176
4	Promoting bike-and-ride: The Dutch experience. Transportation Research, Part A: Policy and Practice, 2007, 41, 326-338.	4.2	175
5	Using principles of justice to assess the modal equity of regional transportation plans. Journal of Transport Geography, 2014, 41, 10-20.	5.0	159
6	A justice-theoretic approach to the distribution of transportation benefits: Implications for transportation planning practice in the United States. Transportation Research, Part A: Policy and Practice, 2012, 46, 684-695.	4.2	156
7	Public transport versus private car GIS-based estimation of accessibility applied to the Tel Aviv metropolitan area. Annals of Regional Science, 2011, 47, 499-515.	2.1	122
8	Sustainable urban mobility plans: Bridging climate change and equity targets?. Research in Transportation Economics, 2016, 55, 30-39.	4.1	80
9	Travel time savings, accessibility gains and equity effects in costâ€“benefit analysis. Transport Reviews, 2017, 37, 152-169.	8.8	59
10	Exploring cruising using agent-based and analytical models of parking. Transportmetrica A: Transport Science, 2013, 9, 773-797.	2.0	51
11	Substance precedes methodology: on costâ€“benefit analysis and equity. Transportation, 2011, 38, 959-974.	4.0	50
12	A model of the vicious cycle of a bus line. Transportation Research Part B: Methodological, 2013, 54, 37-50.	5.9	40
13	Accessibility and the Capabilities Approach: a review of the literature and proposal for conceptual advancements. Transport Reviews, 2021, 41, 833-854.	8.8	40
14	Revealing group travel behavior patterns with public transit smart card data. Travel Behaviour & Society, 2018, 10, 42-52.	5.0	39
15	Integrating equity in transportation project assessment: a philosophical exploration and its practical implications. Transport Reviews, 2017, 37, 192-210.	8.8	37
16	A Fair Distribution of Accessibility: Interpreting Civil Rights Regulations for Regional Transportation Plans. Journal of Planning Education and Research, 2021, 41, 425-444.	2.7	34
17	A multilevel spatial interaction model of transit flows incorporating spatial and network autocorrelation. Journal of Transport Geography, 2017, 60, 155-166.	5.0	33
18	Urban parking space reservation through bottom-up information provision: An agent-based analysis. Computers, Environment and Urban Systems, 2017, 64, 30-41.	7.1	32

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19	Evaluating Urban Parking Policies with Agent-Based Model of Driver Parking Behavior. Transportation Research Record, 2008, 2046, 37-44.	1.9	31
20	Bicycle lessons, activity participation and empowerment. Case Studies on Transport Policy, 2014, 2, 89-95.	2.5	29
21	Role of the Bicycle in the Limitation of Transport Poverty in the Netherlands. Transportation Research Record, 2013, 2387, 20-25.	1.9	27
22	Ageing, impairments and travel: Priority setting for an inclusive transport system. Transport Policy, 2018, 63, 122-130.	6.6	26
23	Measuring transport equity: Key components, framings and metrics. , 2019, , 13-36.		26
24	The Dutch elderly's preferences toward a smart demand-responsive transport service. Research in Transportation Business and Management, 2019, 30, 100383.	2.9	26
25	Measuring the Gap between Car and Transit Accessibility: Estimating access using a High-Resolution Transit Network Geographic Information System. Transportation Research Record, 2010, 2144, 28-35.	1.9	25
26	Relocating shared automated vehicles under parking constraints: assessing the impact of different strategies for on-street parking. Transportation, 2021, 48, 1931-1965.	4.0	25
27	The Design, Experience and Justice of Mobility. Tijdschrift Voor Economische En Sociale Geografie, 2012, 103, 509-515.	2.1	23
28	A justice-theoretic exploration of accessibility measures. , 2012, , .		23
29	Distributive impacts of demand-based modelling. Transportmetrica, 2011, 7, 181-200.	1.8	19
30	Accessibility and Potential Mobility as a Guide for Policy Action. Transportation Research Record, 2015, 2499, 18-24.	1.9	19
31	Identifying user classes for shared and automated mobility services. European Transport Research Review, 2020, 12, .	4.8	19
32	Factors Influencing Stop-Level Transit Ridership in Arnhemâ€“Nijmegen City Region, Netherlands. Transportation Research Record, 2015, 2537, 23-32.	1.9	18
33	Emerging Urban Mobility Technologies through the Lens of Everyday Urban Aesthetics. Essays in Philosophy, 2019, 20, 146-170.	0.2	18
34	A hedonic price analysis of the value of industrial sites. Journal of Property Research, 2014, 31, 108-130.	2.8	17
35	The Potential Impact of Vehicle-to-Vehicle Communication on On-Street Parking Under Heterogeneous Conditions. IEEE Intelligent Transportation Systems Magazine, 2016, 8, 33-42.	3.8	17
36	Measuring individuals' travel behaviour by use of a GPS-based smartphone application in Dar es Salaam, Tanzania. Journal of Transport Geography, 2020, 88, 102477.	5.0	16

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37	The Dilemma of On-Street Parking Policy: Exploring Cruising for Parking Using an Agent-Based Model. Geospatial Technology and the Role of Location in Science, 2010, , 121-138.	0.5	16
38	The Potential Impact of Vehicle-to-Vehicle and Sensor-to-Vehicle Communication in Urban Parking. IEEE Intelligent Transportation Systems Magazine, 2015, 7, 22-33.	3.8	15
39	Equity in Accessibility. Journal of the American Planning Association, 2022, 88, 479-494.	1.7	15
40	Decision-Making on Transport Infrastructure and Contested Information: A Critical Analysis of Three Approaches. European Planning Studies, 2014, 22, 648-666.	2.9	14
41	Operationalizing an indicator of sufficient accessibility â€“ a case study for the city of Rotterdam. Case Studies on Transport Policy, 2020, 8, 1360-1370.	2.5	14
42	Agent-based models and self-organisation: addressing common criticisms and the role of agent-based modelling in urban planning. Town Planning Review, 2016, 87, 321-338.	1.2	13
43	Impact of relocation strategies for a fleet of shared automated vehicles on service efficiency, effectiveness and externalities. , 2017, , .		11
44	Countering decline of industrial sites: Do local economic development policies target the neediest places?. Urban Studies, 2016, 53, 3027-3047.	3.7	10
45	Parking space for shared automated vehicles: How less can be more. Transportation Research, Part A: Policy and Practice, 2021, 143, 61-77.	4.2	10
46	An index to measure accessibility poverty risk. , 2019, , 39-55.		7
47	Activity Participation and Perceptions on Informal Public Transport and Bus Rapid Transit in Dar es Salaam. Transportation Research Record, 2020, 2674, 573-583.	1.9	6
48	Why Accessibility Measurement is Not Merely an Option, but an Absolute Necessity. , 2019, , 37-51.		6
49	An indicator for decline of industrial estates. Journal of European Real Estate Research, 2012, 5, 229-249.	0.8	5
50	Predicting travel flows with spatially explicit aggregate models. Transportation Research, Part A: Policy and Practice, 2018, 118, 68-88.	4.2	5
51	Perspectives on transport and social justice. , 2018, , .		5
52	JTLU special issue editorial: Bicycling in changing urban regions. Journal of Transport and Land Use, 2018, 11, .	1.2	5
53	How just is transportation justice theory? The issues of paternalism and production: A comment. Transportation Research, Part A: Policy and Practice, 2020, 133, 383-386.	4.2	4
54	Exploring changes in mobility experiences and perceptions after implementation of the bus rapid transit system in Dar es Salaam. Case Studies on Transport Policy, 2021, 9, 930-938.	2.5	4

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55	How to Define the Optimal Level of Public-sector Infrastructure Development? A Conceptual Model for Decision-making in Infrastructure Projects. Planning Practice and Research, 2008, 23, 363-381.	1.7	3
56	Core versus periphery: Examining the spatial patterns of insufficient accessibility in U.S. metropolitan areas. Journal of Transport Geography, 2022, 100, 103321.	5.0	3
57	Social identity and cycling among women: The case of Tel-Aviv-Jaffa. Transportation Research Part F: Traffic Psychology and Behaviour, 2022, 89, 1-15.	3.7	3
58	The Impact of Bottom-Up Parking Information Provision in a Real-Life Context: The Case of Antwerp. Journal of Advanced Transportation, 2017, 2017, 1-15.	1.7	2
59	A justice perspective on transport and health. , 2020, , 197-221.		2
60	Equity Considerations in Transport Planning. , 2021, , 154-160.		2
61	Exploring changes in individuals travel behaviour after bus Rapid Transit implementation in Dar es Salaam. Travel Behaviour & Society, 2022, 27, 139-147.	5.0	1
62	Participatory Decision Making and Sustainability: The Role of Environmental Organizations. , 2017, , 219-238.		0