

# Rolf Moeckel

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

871  
citations

516561

16  
h-index

552653

26  
g-index

59  
all docs

59  
docs citations

59  
times ranked

722  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transit-Induced Gentrification: Who Will Stay, and Who Will Go?. Housing Policy Debate, 2016, 26, 801-818.	1.6	76
2	A work-life conflict perspective on telework. Transportation Research, Part A: Policy and Practice, 2020, 141, 51-68.	2.0	72
3	Shared Autonomous Vehicles Effect on Vehicle-Km Traveled and Average Trip Duration. Journal of Advanced Transportation, 2018, 2018, 1-10.	0.9	68
4	Mode choice modeling for long-distance travel. Transportation Letters, 2015, 7, 35-46.	1.8	41
5	Working from Home: Modeling the Impact of Telework on Transportation and Land Use. Transportation Research Procedia, 2017, 26, 207-214.	0.8	38
6	Agent-based simulation of city-wide autonomous ride-pooling and the impact on traffic noise. Transportation Research, Part D: Transport and Environment, 2021, 90, 102673.	3.2	36
7	Leveraging digitalization for sustainability in urban transport. Global Sustainability, 2019, 2, .	1.6	32
8	Population Synthesis Handling Three Geographical Resolutions. ISPRS International Journal of Geo-Information, 2018, 7, 174.	1.4	30
9	Constraints in household relocation: Modeling land-use/transport interactions that respect time and monetary budgets. Journal of Transport and Land Use, 0, , .	0.7	30
10	Agent-Based Simulation to Improve Policy Sensitivity of Trip-Based Models. Journal of Advanced Transportation, 2020, 2020, 1-13.	0.9	28
11	Towards an Agent-based, Integrated Land-use Transport Modeling System. Procedia Computer Science, 2016, 83, 958-963.	1.2	27
12	Trends in integrated land use/transport modeling: An evaluation of the state of the art. Journal of Transport and Land Use, 2018, 11, .	0.7	26
13	Impact of simulation-based traffic noise on rent prices. Transportation Research, Part D: Transport and Environment, 2020, 78, 102191.	3.2	24
14	Assesment of the potential of cargo bikes and electrification for last-mile parcel delivery by means of simulation of urban freight flows. European Transport Research Review, 2021, 13, .	2.3	24
15	Effects of scaling down the population for agent-based traffic simulations. Procedia Computer Science, 2019, 151, 782-787.	1.2	23
16	The usage of location based big data and trip planning services for the estimation of a long-distance travel demand model. Predicting the impacts of a new high speed rail corridor. Research in Transportation Economics, 2018, 72, 27-36.	2.2	21
17	Simulation of firms as a planning support system to limit urban sprawl of jobs. Environment and Planning B: Planning and Design, 2009, 36, 883-905.	1.7	17
18	Maintaining Mobility in Substantial Urban Growth Futures. Transportation Research Procedia, 2016, 19, 70-80.	0.8	16

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19	Improving Destination Choice Modeling Using Location-Based Big Data. ISPRS International Journal of Geo-Information, 2017, 6, 291.	1.4	14
20	Automated design of gradual zone systems. Open Geospatial Data, Software and Standards, 2017, 2, .	4.3	14
21	Gradual rasterization: redefining spatial resolution in transport modelling. Environment and Planning B: Planning and Design, 2015, 42, 888-903.	1.7	13
22	A model for national freight flows, distribution centers, empty trucks and urban truck movements. Transportation Planning and Technology, 2016, 39, 693-711.	0.9	13
23	Land use, transport, and environment interactions: WCTR 2016 contributions and future research directions. Computers, Environment and Urban Systems, 2019, 77, 101335.	3.3	13
24	Household Trip Generation and the Built Environment: Does More Density Mean More Trips?. Transportation Research Record, 2019, 2673, 596-606.	1.0	10
25	Modeling Sustainability Scenarios in the Baltimore-Washington (DC) Region. Journal of the American Planning Association, 2020, 86, 250-263.	0.9	10
26	GIS-based Infrastructure Requirement Analysis for an Electric Vertical Take-off and Landing Vehicle-based Transportation System. Transportation Research Procedia, 2019, 41, 101-103.	0.8	9
27	Integration of Land Use and Transport to Reach Sustainable Development Goals: Will Radical Scenarios Actually Get Us There?. Sustainability, 2020, 12, 9795.	1.6	9
28	Impact of autonomous vehicles on household relocation: An agent-based simulation. Cities, 2022, 126, 103692.	2.7	9
29	Modeling the Impact of Communications Technologies on Travel Behavior and Land Use. Transportation Research Record, 2017, 2658, 8-16.	1.0	8
30	Estimation of a Long-Distance Travel Demand Model using Trip Surveys, Location-Based Big Data, and Trip Planning Services. Transportation Research Record, 2018, 2672, 103-113.	1.0	8
31	Impact of bicycle highways on commuter mode choice: A scenario analysis. Environment and Planning B: Urban Analytics and City Science, 2020, 47, 662-677.	1.0	8
32	Ride-Pooling Efficiency in Large, Medium-Sized and Small Towns -Simulation Assessment in the Munich Metropolitan Region. Procedia Computer Science, 2021, 184, 662-667.	1.2	8
33	Integration of land use, land cover, transportation, and environmental impact models: Expanding scenario analysis with multiple modules. Environment and Planning B: Urban Analytics and City Science, 2017, 44, 531-552.	1.0	7
34	Noise Shielding in an Agent-Based Transport Model Using Volunteered Geographic Data. Procedia Computer Science, 2019, 151, 808-813.	1.2	6
35	The end of travel time matrices: Individual travel times in integrated land use/transport models. Journal of Transport Geography, 2020, 88, 102862.	2.3	6
36	Data to the people: a review of public and proprietary data for transport models. Transport Reviews, 2022, 42, 415-440.	4.7	6

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37	Impact of Decentralization and Rail Network Extension on Future Traffic in the Bangkok Metropolitan Region. Sustainability, 2021, 13, 13196.	1.6	6
38	Microscopic activity sequence generation: a multiple correspondence analysis to explain travel behavior based on socio-demographic person attributes. Transportation, 2021, 48, 1481-1502.	2.1	5
39	Traffic noise feedback in agent-based Integrated Land-Use/Transport Models. Journal of Transport and Land Use, 2021, 14, .	0.7	5
40	Assessment of Spatiotemporal Peak Shift of Intra-Urban Transportation Taking a Case in Bangkok, Thailand. Sustainability, 2021, 13, 6777.	1.6	5
41	Car ownership: A joint model for number of cars and fuel types. Transportation Research Procedia, 2019, 41, 572-576.	0.8	4
42	Proof of Concept for a Grounded Theory Approach to Understanding Interactions Occurring on Bicycle Facilities. Transportation Research Record, 2020, 2674, 94-104.	1.0	4
43	Benefits of Integrating Microscopic Land Use and Travel Demand Models: Location Choice, Time Use & Stability of Travel Behavior. Transportation Research Procedia, 2020, 48, 1956-1967.	0.8	4
44	From Macro to Microscopic Trip Generation: Representing Heterogeneous Travel Behavior. Open Transportation Journal, 2017, 11, 31-43.	0.4	4
45	Multi entity perspective freight demand modeling technique: Varying objectives and outcomes. Transport Policy, 2014, 35, 176-185.	3.4	3
46	Two decades of smart growth in Maryland (U.S.A): impact assessment and future directions of a national leader. Urban, Planning and Transport Research, 2017, 5, 22-37.	0.8	3
47	Investigate an Appropriate Spatial Resolution for Large-scaled Pedestrian Travel Demand Model. Transportation Research Procedia, 2019, 41, 324-327.	0.8	3
48	Agent-based integrated land use/transport models: a study on scale factors and transport model simulation intervals. Procedia Computer Science, 2020, 170, 733-738.	1.2	3
49	Environmental Equity Analysis in Agent-Based Transport Simulations: A Study on Causation and Exposure. Procedia Computer Science, 2021, 184, 650-655.	1.2	3
50	Temporal distribution of sociodemographic characteristics at transit stops. Transportation Planning and Technology, 2021, 44, 208-221.	0.9	3
51	Agent-Based Simulation of Long-Distance Travel: Strategies to Reduce CO2 Emissions from Passenger Aviation. Urban Planning, 2021, 6, 271-284.	0.7	3
52	Modeling complex Megaregion systems: Horizontal and vertical integration for a Megaregion Model. International Journal of Transportation, 2015, 3, 69-90.	0.4	3
53	Long-distance and daily travel demand: integration of various travel markets and modelling approaches. Procedia Computer Science, 2019, 151, 788-793.	1.2	2
54	A tool for long-term predictions of road safety based on travel demand modeling and network characteristics. Transportation Research Procedia, 2019, 41, 414-425.	0.8	2

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55	Observational method and coding framework for analyzing the functionality of unprotected bicycle lanes. <i>Transportation Research Procedia</i> , 2019, 41, 559-571.	0.8	2
56	Firm Location Choice Versus Job Location Choice in Microscopic Simulation Models. <i>Advances in Spatial Science</i> , 2013, , 223-242.	0.3	2
57	Validation of an agent-based travel demand model with floating car data. <i>Transportation Research Procedia</i> , 2019, 37, 242-249.	0.8	1
58	How sustainable is the growth of mass transit system in developing countries – an Indian perspective. <i>Transportation Research Procedia</i> , 2020, 48, 2706-2724.	0.8	1
59	Defining the resolution of a network for transportation analyses: A new methodology and algorithm. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2020, 47, 1639-1654.	1.0	0