Peter Vortisch

List of Publications by Year
in descending order

63 papers	**938** citations	759055 **12** h-index	526166 **27** g-index
63 all docs	**63** docs citations	**63** times ranked	**793** citing authors

#	Article	IF	Citations
1	Effects of COVID-19 on Telework and Commuting Behavior: Evidence from 3â€‰Years of Panel Data. Transportation Research Record, 2023, 2677, 478-493.	1.0	7
2	Exploring the role of individualsâ€™ attitudes in the use of on-demand mobility services for commuting â€“ A case study in eight Chinese cities. International Journal of Transportation Science and Technology, 2022, 11, 229-242.	2.0	1
3	Long-distance travel in tension with everyday mobility of urbanites â€“ A classification of leisure travellers. Travel Behaviour & Society, 2022, 26, 290-300.	2.4	10
4	Integrating Neighbours into an Agent-Based Travel Demand Model to Analyse Success Rates of Parcel Deliveries. Procedia Computer Science, 2022, 201, 181-188.	1.2	4
5	The effects of spatial characteristics on car ownership and its impacts on agent-based travel demand models. Procedia Computer Science, 2022, 201, 296-304.	1.2	1
6	Representation of Work-Related Trip Patterns in Household and Commercial Travel Surveys. Transportation Research Record, 2022, 2676, 59-73.	1.0	2
7	Parameters Influencing Lane Flow Distribution on Multilane Freeways in PTV Vissim. Procedia Computer Science, 2021, 184, 453-460.	1.2	8
8	Modeling intermodal travel behavior in an agent-based travel demand model. Procedia Computer Science, 2021, 184, 202-209.	1.2	3
9	Classifying Car Owners in Latent Psychographic Profiles. Transportation Research Record, 2021, 2675, 142-152.	1.0	1
10	Self-Regulating Demand and Supply Equilibrium in Joint Simulation of Travel Demand and a Ride-Pooling Service. Transportation Research Record, 2021, 2675, 226-239.	1.0	6
11	Insights into shopping travel behavior: latent classes in relation to attitudes towards shopping. European Transport Research Review, 2021, 13, .	2.3	5
12	Determining service provider and transport system related effects of ridesourcing services by simulation within the travel demand model mobiTopp. European Transport Research Review, 2021, 13, .	2.3	6
13	Exploring the viability of walk-sharing in outdoor urban spaces. Computers, Environment and Urban Systems, 2021, 88, 101635.	3.3	3
14	Integrating Urban Last-Mile Package Deliveries into an Agent-Based Travel Demand Model. Procedia Computer Science, 2021, 184, 178-185.	1.2	9
15	Integrating public transport into mobiTopp. Future Generation Computer Systems, 2020, 107, 1089-1096.	4.9	2
16	The role of attitudes in on-demand mobility usage - an example from Shanghai. , 2020, , 103-124.		3
17	Assessment of fast-charging station locationsâ€”an integrated model based approach. , 2020, , 595-611.		0
18	Understanding social processes of shopping destination choice - An approach to model stability and variability. Transportation Research Interdisciplinary Perspectives, 2020, 7, 100183.	1.6	3

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19	Spatial Factor—Using a Random Forest Classification Model to Measure an Internationally Comparable Urbanity Index. Urban Science, 2020, 4, 36.	1.1	11
20	Combining Macro- and Microscopic Approaches to Model Commercial Transport Demand in an Urban Area. Transportation Research Procedia, 2020, 48, 574-589.	0.8	1
21	Comparison of Response Bias in an Intercultural Context – Evaluation of Psychological Items in Travel Behavior Research. Transportation Research Procedia, 2020, 48, 2891-2905.	0.8	1
22	Electric Factor—A Comparison of Car Usage Profiles of Electric and Conventional Vehicles by a Probabilistic Approach. World Electric Vehicle Journal, 2020, 11, 36.	1.6	9
23	Image-based activity pattern segmentation using longitudinal data of the German Mobility Panel. Transportation Research Interdisciplinary Perspectives, 2020, 8, 100264.	1.6	2
24	Mode Choice Behavior on Access Trips to Carsharing Vehicles. , 2020, , .		1
25	Creating an integrated agent-based travel demand model by combining mobiTopp and MATSim. Procedia Computer Science, 2019, 151, 776-781.	1.2	15
26	Premium factor – Analyzing usage of premium cars compared to conventional cars. Research in Transportation Business and Management, 2019, 33, 100456.	1.6	2
27	Analyzing OpenStreetMap as data source for travel demand models A case study in Karlsruhe. Transportation Research Procedia, 2019, 41, 104-112.	0.8	5
28	GIS-based modelling of fast-charging infrastructure at city-regional level. Transportation Research Procedia, 2019, 41, 146-149.	0.8	2
29	Transport demand models in a changing world –Individuals between econometric rationalities and social network obligations. Transportation Research Procedia, 2019, 41, 333-341.	0.8	1
30	Assessing the effects of a mixed-mode design in a longitudinal household travel survey. Transportation, 2019, 46, 1737-1753.	2.1	5
31	Implementation of free-floating and station-based carsharing in an agent-based travel demand model. Travel Behaviour & Society, 2018, 12, 151-158.	2.4	62
32	Microscopic Demand Modeling of Urban and Regional Commercial Transport. Procedia Computer Science, 2018, 130, 667-674.	1.2	4
33	Assessing car dependence: Development of a comprehensive survey approach based on the concept of a travel skeleton. Transportation Research Procedia, 2018, 32, 607-616.	0.8	21
34	Mixed mode survey design and panel repetition – findings from the German Mobility Panel. Transportation Research Procedia, 2018, 32, 319-328.	0.8	5
35	Are Activity Patterns Stable or Variable? Analysis of Three-Year Panel Data. Transportation Research Record, 2018, 2672, 46-56.	1.0	9
36	A German Passenger Car and Heavy Vehicle Stock Model: Towards an Autonomous Vehicle Fleet. Transportation Research Record, 2018, 2672, 55-63.	1.0	3

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37	Calibrating Vissim to Analyze Delay at Signalized Intersections. Transportation Research Record, 2017, 2615, 73-81.	1.0	15
38	Large-Scale Application of a Combined Destination and Mode Choice Model Estimated with Mixed Stated and Revealed Preference Data. Transportation Research Record, 2017, 2669, 31-40.	1.0	10
39	Modeling Week Activity Schedules for Travel Demand Models. Transportation Research Record, 2017, 2666, 69-77.	1.0	37
40	Integrating public transport into mobiTopp. Procedia Computer Science, 2017, 109, 855-860.	1.2	4
41	Measuring Stability of Mode Choice Behavior. Transportation Research Record, 2017, 2664, 1-10.	1.0	4
42	Potentials of Autonomous Vehicles in a Changing Private Transportation System â€" a Case Study in the Stuttgart Region. Transportation Research Procedia, 2017, 26, 13-21.	0.8	51
43	Incorporating Stability of Mode Choice into an Agent-Based Travel Demand Model. Communications in Computer and Information Science, 2017, , 28-39.	0.4	3
44	Who Uses Freeways and Who Pays for Them?: Model-Based Analysis of Distribution Effects of Toll Tariff Systems in Germany. Transportation Research Record, 2016, 2563, 88-95.	1.0	1
45	A Rationale for Enhancing the German Highway Capacity Manual to Incorporate Oversaturated Freeway Facility Analysis. Transportation Research Procedia, 2016, 15, 426-437.	0.8	2
46	Modelling the weekly electricity demand caused by electric cars. Future Generation Computer Systems, 2016, 64, 140-150.	4.9	17
47	Balancing Innovation and Continuity â€" Experiences with Survey Design Adaptations of the German Mobility Panel. Transportation Research Procedia, 2015, 11, 43-59.	0.8	13
48	Household Travel Survey of Intermodal Trips â€" Approach, Challenges and Comparison. Transportation Research Procedia, 2015, 11, 330-339.	0.8	8
49	Calibrating VISSIM for the German Highway Capacity Manual. Transportation Research Record, 2015, 2483, 74-79.	1.0	23
50	A German Approach to Freeway Facility Evaluation. Transportation Research Record, 2015, 2483, 66-73.	1.0	5
51	Changes in Variability and Flexibility of Individual Travel in Germany. Transportation Research Record, 2015, 2496, 10-19.	1.0	8
52	Modeling Car Passenger Trips in mobiTopp. Procedia Computer Science, 2015, 52, 938-943.	1.2	9
53	Modelling the Weekly Electricity Demand Caused by Electric Cars. Procedia Computer Science, 2015, 52, 444-451.	1.2	5
54	Capturing the Usage of the German Car Fleet for a One Year Period to Evaluate the Suitability of Battery Electric Vehicles â€" A Model based Approach. Transportation Research Procedia, 2014, 1, 133-141.	0.8	15

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55	Assessment of Level of Service on Freeways by Microscopic Traffic Simulation. Transportation Research Record, 2014, 2461, 41-49.	1.0	10
56	Hybrid Modeling Approach of Car Uses in Germany on Basis of Empirical Data with Different Granularities. Transportation Research Record, 2014, 2412, 67-74.	1.0	12
57	mobiTopp â€" A Modular Agent-based Travel Demand Modelling Framework. Procedia Computer Science, 2013, 19, 854-859.	1.2	51
58	On New Measures for Detection of Data Quality Risks in Mobility Panel Surveys. Transportation Research Record, 2013, 2354, 19-28.	1.0	7
59	QUICKEST PATHS IN SIMULATIONS OF PEDESTRIANS. International Journal of Modeling, Simulation, and Scientific Computing, 2011, 14, 733-759.	0.9	46
60	Microscopic Traffic Flow Simulator VISSIM. Profiles in Operations Research, 2010, , 63-93.	0.3	258
61	Microsimulation Calibration Using Speed-Flow Relationships. Transportation Research Record, 2008, 2088, 1-9.	1.0	41
62	Enabling efficient and accurate large-scale simulations of VANETs for vehicular traffic management. , 2007, , .		50
63	Vom Stau zur Verkehrsinformation â€" Datenfusion als Teil eines Gesamtprozesses (From Jams on the) Tj ETQq1 1 0.784314 rgBT /Ov Automatisierungstechnik, 2005, 53, 306-313.	0.4	0