Kay Axhausen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8775250/publications.pdf

Version: 2024-02-01

243 papers	12,425 citations	23544 58 h-index	34964 98 g-index
307 all docs	307 docs citations	307 times ranked	7472 citing authors

#	Article	IF	Citations
1	The MOBIS dataset: a large GPS dataset of mobility behaviour in Switzerland. Transportation, 2023, 50, 1983-2007.	2.1	4
2	Inertia effects of past behavior in commuting modal shift behavior: interactions, variations and implications for demand estimation. Transportation, 2022, 49, 1063-1097.	2.1	7
3	What drives the utility of shared transport services for urban travellers? A stated preference survey in German cities. Travel Behaviour & Society, 2022, 26, 206-220.	2.4	27
4	An interdisciplinary agent-based multimodal wildfire evacuation model: Critical decisions and life safety. Transportation Research, Part D: Transport and Environment, 2022, 103, 103147.	3.2	11
5	Optimal pricing and investment in a multi-modal city â€" Introducing a macroscopic network design problem based on the MFD. Transportation Research, Part A: Policy and Practice, 2022, 156, 113-132.	2.0	9
6	Mode choice, substitution patterns and environmental impacts of shared and personal micro-mobility. Transportation Research, Part D: Transport and Environment, 2022, 102, 103134.	3.2	69
7	Intra-destination travel behavior of alpine tourists: a literature review on choice determinants and the survey work. Transportation, 2022, 49, 1465-1516.	2.1	9
8	Modeling train route decisions during track works. Journal of Rail Transport Planning and Management, 2022, 22, 100320.	0.8	1
9	Designing mobility-as-a-service business models using morphological analysis. Research in Transportation Business and Management, 2022, 45, 100857.	1.6	4
10	Modeling, Relocation, and Real-Time Inventory Control of One-Way Electric Cars Sharing Systems in a Stochastic Petri Nets Framework. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 2846-2861.	4.7	11
11	Surveying and analysing mode and route choices in Switzerland 2010â€"2015. Travel Behaviour & Society, 2021, 22, 10-21.	2.4	13
12	Impact of bicycle traffic on the macroscopic fundamental diagram: some empirical findings in Shanghai. Transportmetrica A: Transport Science, 2021, 17, 1122-1149.	1.3	6
13	Nutzungen, Strukturen und Verkehr. , 2021, , 1-29.		0
14	Syntactical Morphological Histories Analysis on Top-Down Planned and Self-organised Street Networks of Old City Cores. Disp, 2021, 57, 53-73.	0.8	3
15	How will Autonomous Vehicles Impact Car Ownership and Travel Behavior. , 2021, , 508-513.		1
16	Simulation of price, customer behaviour and system impact for a cost-covering automated taxi system in Zurich. Transportation Research Part C: Emerging Technologies, 2021, 123, 102974.	3.9	47
17	Studying bicyclistsâ€™ perceived level of safety using a bicycle simulator combined with immersive virtual reality. Accident Analysis and Prevention, 2021, 151, 105943.	3.0	29
18	Explaining shared micromobility usage, competition and mode choice by modelling empirical data from Zurich, Switzerland. Transportation Research Part C: Emerging Technologies, 2021, 124, 102947.	3.9	97

#	Article	IF	Citations
19	How Will the Technological Shift in Transportation Impact Cities? A Review of Quantitative Studies on the Impacts of New Transportation Technologies. Sustainability, 2021, 13, 3013.	1.6	7
20	Observed impacts of the Covid-19 first wave on travel behaviour in Switzerland based on a large GPS panel. Transport Policy, 2021, 104, 43-51.	3.4	167
21	High-resolution assessment of environmental benefits of dockless bike-sharing systems based on transaction data. Journal of Cleaner Production, 2021, 296, 126423.	4.6	40
22	Who uses shared micro-mobility services? Empirical evidence from Zurich, Switzerland. Transportation Research, Part D: Transport and Environment, 2021, 94, 102803.	3.2	65
23	Estimating the external costs of travel on GPS tracks. Transportation Research, Part D: Transport and Environment, 2021, 95, 102842.	3.2	7
24	mixl: An open-source R package for estimating complex choice models on large datasets. Journal of Choice Modelling, 2021, 39, 100284.	1.2	17
25	Synthesising digital twin travellers: Individual travel demand from aggregated mobile phone data. Transportation Research Part C: Emerging Technologies, 2021, 128, 103118.	3.9	25
26	Demand Responsive Transit Simulation of Wayne County, Michigan. Transportation Research Record, 2021, 2675, 702-716.	1.0	11
27	The value of travel time savings and the value of leisure in Zurich: Estimation, decomposition and policy implications. Transportation Research, Part A: Policy and Practice, 2021, 150, 186-215.	2.0	7
28	Understanding travel and mode choice with emerging modes; a pooled SP and RP model in Greater Jakarta, Indonesia. Transportation Research, Part A: Policy and Practice, 2021, 150, 398-422.	2.0	11
29	Assessing one-way carsharingâ€™s impacts on vehicle ownership: Evidence from Shanghai with an international comparison. Transportation Research, Part A: Policy and Practice, 2021, 150, 16-32.	2.0	9
30	Road safety, health inequity and the imminence of autonomous vehicles. Nature Machine Intelligence, 2021, 3, 654-655.	8.3	5
31	Comprehensive data validation of a combined weekly time use and travel survey. Transportation Research, Part A: Policy and Practice, 2021, 153, 66-82.	2.0	4
32	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
33	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
34	A comparative study of social interaction frequencies among social network members in five countries. Journal of Transport Geography, 2021, 90, 102934.	2.3	11
35	Trip Purpose Imputation Using GPS Trajectories with Machine Learning. ISPRS International Journal of Geo-Information, 2021, 10, 775.	1.4	9
36	A functional form with a physical meaning for the macroscopic fundamental diagram. Transportation Research Part B: Methodological, 2020, 137, 119-132.	2.8	41

#	Article	IF	Citations
37	A joint time-assignment and expenditure-allocation model: value of leisure and value of time assigned to travel for specific population segments. Transportation, 2020, 47, 1439-1475.	2.1	30
38	Assessing the welfare impacts of Shared Mobility and Mobility as a Service (MaaS). Transportation Research, Part A: Policy and Practice, 2020, 131, 228-243.	2.0	90
39	The German value of time and value of reliability study: the survey work. Transportation, 2020, 47, 1477-1513.	2.1	12
40	Transportation service bundling â€“ For whose benefit? Consumer valuation of pure bundling in the passenger transportation market. Transportation Research, Part A: Policy and Practice, 2020, 131, 91-106.	2.0	46
41	An approach to imputing destination activities for inclusion in measures of bicycle accessibility. Journal of Transport Geography, 2020, 82, 102566.	2.3	28
42	Fleet Sizing for Pooled (Automated) Vehicle Fleets. Transportation Research Record, 2020, 2674, 168-176.	1.0	11
43	Designing a large-scale public transport network using agent-based microsimulation. Transportation Research, Part A: Policy and Practice, 2020, 137, 1-15.	2.0	18
44	Reduced value of time for autonomous vehicle users: Myth or reality?. Transport Policy, 2020, 95, 30-36.	3.4	25
45	How Much of Which Mode? Using Revealed Preference Data to Design Mobility As a Service Plans. Transportation Research Record, 2020, 2674, 494-503.	1.0	15
46	Betweenness-accessibility: Estimating impacts of accessibility on networks. Journal of Transport Geography, 2020, 84, 102680.	2.3	22
47	Comparing values of travel time obtained from workplace and short-term decisions. Travel Behaviour & Society, 2020, 20, 83-90.	2.4	5
48	Spatial unconditional quantile regression: application to Japanese parking price data. Annals of Regional Science, 2020, 65, 351-402.	1.0	3
49	Agent-Based Models in Transport Planning: Current State, Issues, and Expectations. Procedia Computer Science, 2020, 170, 726-732.	1.2	38
50	COVID-19 and the Dilemma of Transport Policymaking. Disp, 2020, 56, 82-87.	0.8	5
51	Capturing network properties with a functional form for the multi-modal macroscopic fundamental diagram. Transportation Research Part B: Methodological, 2019, 129, 1-19.	2.8	37
52	Advanced continuous-discrete model for joint time-use expenditure and mode choice estimation. Transportation Research Part B: Methodological, 2019, 129, 397-421.	2.8	20
53	Dynamic demand estimation for an AMoD system in Paris. , 2019, , .		21
54	The first agent-based model of greater Jakarta integrated with a mode-choice model. Procedia Computer Science, 2019, 151, 272-278.	1.2	10

#	Article	IF	Citations
55	Does variation in residentsâ€™ spatial mobility affect their preferences concerning local governance?. Political Geography, 2019, 73, 138-157.	1.3	8
56	Approximative Network Partitioning for MFDs from Stationary Sensor Data. Transportation Research Record, 2019, 2673, 94-103.	1.0	41
57	Context-dependent models (CRRM, MuRRM, PRRM, RAM) versus a context-free model (MNL) in transportation studies: a comprehensive comparisons for Swiss and German SP and RP data sets. Transportmetrica A: Transport Science, 2019, 15, 1487-1521.	1.3	5
58	Fleet operational policies for automated mobility: A simulation assessment for Zurich. Transportation Research Part C: Emerging Technologies, 2019, 102, 20-31.	3.9	101
59	A Multiscale Clustering of the Urban Morphology for Use in Quantitative Models. Modeling and Simulation in Science, Engineering and Technology, 2019, , 355-382.	0.4	5
60	Electric Bicycle-Sharing: A New Competitor in the Urban Transportation Market? An Empirical Analysis of Transaction Data. Transportation Research Record, 2019, 2673, 15-26.	1.0	72
61	A pooled RP/SP mode, route and destination choice model to investigate mode and user-type effects in the value of travel time savings. Transportation Research, Part A: Policy and Practice, 2019, 124, 262-294.	2.0	16
62	Integrating Bayesian network and generalized raking for population synthesis in Greater Jakarta. Regional Studies, Regional Science, 2019, 6, 623-636.	0.7	9
63	How technology commitment affects mode choice for a self-driving shuttle service. Research in Transportation Business and Management, 2019, 32, 100458.	1.6	14
64	Understanding traffic capacity of urban networks. Scientific Reports, 2019, 9, 16283.	1.6	114
65	Post-Car World: data collection methods and response behavior in a multi-stage travel survey. Transportation, 2019, 46, 425-492.	2.1	11
66	Modeling competing free-floating carsharing operators â€“ A case study for Zurich, Switzerland. Transportation Research Part C: Emerging Technologies, 2019, 98, 101-117.	3.9	60
67	The social aspect of residential location choice: on the trade-off between proximity to social contacts and commuting. Journal of Transport Geography, 2019, 74, 333-340.	2.3	25
68	Influence of pricing on mode choice decision in Jakarta: A random regret minimization model. Case Studies on Transport Policy, 2019, 7, 87-95.	1.1	19
69	Modelling intermodal travel in Switzerland: A recursive logit approach. Transportation Research, Part A: Policy and Practice, 2019, 119, 200-213.	2.0	11
70	In-store or online shopping of search and experience goods: A hybrid choice approach. Journal of Choice Modelling, 2019, 31, 156-180.	1.2	57
71	Multi-day activity-travel pattern sampling based on single-day data. Transportation Research Part C: Emerging Technologies, 2018, 89, 96-112.	3.9	24
72	Closer to the total? Long-distance travel of French mobile phone users. Travel Behaviour & Society, 2018, 11, 31-42.	2.4	36

#	Article	IF	Citations
73	An optimization model to measure utility of joint and solo activities. Transportation Research Part B: Methodological, 2018, 108, 172-187.	2.8	2
74	Cost-based analysis of autonomous mobility services. Transport Policy, 2018, 64, 76-91.	3.4	381
75	Who do you know, where? Social investments in faraway contacts. Research in Transportation Economics, 2018, 68, 38-45.	2.2	3
76	Explaining socially motivated travel with social network analysis: survey method and results from a study in Zurich, Switzerland. Transportation Research Procedia, 2018, 32, 99-109.	0.8	9
77	A first look at bridging discrete choice modeling and agent-based microsimulation in MATSim. Procedia Computer Science, 2018, 130, 900-907.	1.2	36
78	Impact of Major Road Supply on Individual Travel Time Expenditure: An Exploration with a 30-Year Variation of Infrastructure and Travel. Transportation Research Record, 2018, 2672, 56-68.	1.0	0
79	Models of Coupled Settlement and Habitat Networks for Biodiversity Conservation: Conceptual Framework, Implementation and Potential Applications. Frontiers in Ecology and Evolution, 2018, 6, .	1.1	7
80	Shopping destination choice in Tehran: An integrated choice and latent variable approach. Transportation Research Part F: Traffic Psychology and Behaviour, 2018, 58, 566-580.	1.8	16
81	Transport Policy Optimization with Autonomous Vehicles. Transportation Research Record, 2018, 2672, 698-707.	1.0	20
82	Introducing a Re-Sampling Methodology for the Estimation of Empirical Macroscopic Fundamental Diagrams. Transportation Research Record, 2018, 2672, 239-248.	1.0	22
83	Measuring the car ownership impact of free-floating car-sharing â€“ A case study in Basel, Switzerland. Transportation Research, Part D: Transport and Environment, 2018, 65, 51-62.	3.2	113
84	Mobility tools and use: Accessibilityâ€™s role in Switzerland. Journal of Transport and Land Use, 2018, 11, .	0.7	6
85	Comparing car-sharing schemes in Switzerland: User groups and usage patterns. Transportation Research, Part A: Policy and Practice, 2017, 97, 17-29.	2.0	143
86	Modelling contact mode and frequency of interactions with social network members using the multiple discreteâ€“continuous extreme value model. Transportation Research Part C: Emerging Technologies, 2017, 76, 16-34.	3.9	39
87	The dynamics of commuting over the life course: Swiss experiences. Transportation Research, Part A: Policy and Practice, 2017, 104, 179-194.	2.0	22
88	Modeling the impact of parking price policy on free-floating carsharing: Case study for Zurich, Switzerland. Transportation Research Part C: Emerging Technologies, 2017, 77, 207-225.	3.9	85
89	Autonomous vehicles: The next jump in accessibilities?. Research in Transportation Economics, 2017, 62, 80-91.	2.2	254
90	Modeling car-sharing membership as a mobility tool: A multivariate Probit approach with latent variables. Travel Behaviour & Society, 2017, 8, 26-36.	2.4	61

#	Article	IF	Citations
91	The impact of local work and residential balance on vehicle miles traveled: A new direct approach. Journal of Transport Geography, 2017, 64, 139-149.	2.3	1
92	Introducing the Pedestrian Accessibility Tool: Walkability Analysis for a Geographic Information System. Transportation Research Record, 2017, 2661, 51-61.	1.0	13
93	Literature review on surveys investigating the acceptance of automated vehicles. Transportation, 2017, 44, 1293-1306.	2.1	285
94	Empirics of multi-modal traffic networks â€“ Using the 3D macroscopic fundamental diagram. Transportation Research Part C: Emerging Technologies, 2017, 82, 88-101.	3.9	114
95	Editorial: Contributionsâ€”authorship and data. Transportation, 2017, 44, 641-642.	2.1	1
96	Modeling free-floating car-sharing use in Switzerland: A spatial regression and conditional logit approach. Transportation Research Part C: Emerging Technologies, 2017, 81, 286-299.	3.9	75
97	Public Transit Route Mapping for Large-Scale Multimodal Networks. ISPRS International Journal of Geo-Information, 2017, 6, 268.	1.4	14
98	How Disruptive Can Shared Mobility Be? A Scenario-Based Evaluation of Shared Mobility Systems Implemented at Large Scale. Lecture Notes in Mobility, 2017, , 51-63.	0.2	7
99	The Multi-Agent Transport Simulation MATSim. , 2016, , .		388
100	Integration of a Capacity-Constrained Workplace Choice Model: Recent Developments and Applications with an Agent-Based Simulation in Singapore. Transportation Research Record, 2016, 2564, 1-13.	1.0	5
101	Modeling Carsharing with the Agent-Based Simulation MATSim: State of the Art, Applications, and Future Developments. Transportation Research Record, 2016, 2564, 14-20.	1.0	37
102	Swiss Canine Cancer Registry 1955â€“2008: Occurrence of the Most Common Tumour Diagnoses and Influence of Age, Breed, Body Size, Sex and Neutering Status on Tumour Development. Journal of Comparative Pathology, 2016, 155, 156-170.	0.1	88
103	Understanding urban mobility patterns with a probabilistic tensor factorization framework. Transportation Research Part B: Methodological, 2016, 91, 511-524.	2.8	138
104	Autonomous Vehicle Fleet Sizes Required to Serve Different Levels of Demand. Transportation Research Record, 2016, 2542, 111-119.	1.0	184
105	Carsharing Demand Estimation. Transportation Research Record, 2016, 2563, 10-18.	1.0	27
106	Shape grammars overview and assessment for transport and urban design: Review, terminology, assessment, and application. Journal of Transport and Land Use, 2016, 9, .	0.7	5
107	Comparison of Travel Diaries Generated from Smartphone Data and Dedicated GPS Devices. Transportation Research Procedia, 2015, 11, 227-241.	0.8	56
108	Reliability in the German Value of Time Study. Transportation Research Record, 2015, 2495, 14-22.	1.0	14

#	Article	IF	Citations
109	Synthetic Population Generation by Combining a Hierarchical, Simulation-Based Approach with Reweighting by Generalized Raking. Transportation Research Record, 2015, 2493, 107-116.	1.0	28
110	An integrated Bayesian approach for passenger flow assignment in metro networks. Transportation Research Part C: Emerging Technologies, 2015, 52, 116-131.	3.9	111
111	Results of an Agent-Based Market Simulation for Transferable Development Rights (TDR) in Switzerland. Environment and Planning B: Planning and Design, 2015, 42, 157-183.	1.7	22
112	Individualsâ€™ spatial social network choice: model-based analysis of leisure-contact selection. Environment and Planning B: Planning and Design, 2015, 42, 857-869.	1.7	12
113	Do sharing people behave differently? An empirical evaluation of the distinctive mobility patterns of free-floating car-sharing members. Transportation, 2015, 42, 449-469.	2.1	155
114	Performance Improvements for Large-Scale Traffic Simulation in MATSim. , 2015, , 211-233.		15
115	The Swiss Canine Cancer Registry: A Retrospective Study on the Occurrence of Tumours in Dogs in Switzerland from 1955 to 2008. Journal of Comparative Pathology, 2015, 152, 161-171.	0.1	68
116	Implementing a household joint activity-travel multi- agent simulation tool: first results. Transportation, 2015, 42, 753-769.	2.1	12
117	Quantifying long-term evolution of intra-urban spatial interactions. Journal of the Royal Society Interface, 2015, 12, 20141089.	1.5	24
118	Efficient detection of contagious outbreaks in massive metropolitan encounter networks. Scientific Reports, 2015, 4, 5099.	1.6	30
119	Adding Electric Vehicle Modeling Capability to an Agent-Based Transport Simulation. , 2015, , 1563-1600.		2
120	Evaluation and Reliability of Shape Grammars for Urban Planning and Network Design. Springer Optimization and Its Applications, 2015, , 161-181.	0.6	0
121	Using Survey Calibration and Statistical Matching to Reweight and Distribute Activity Schedules. Transportation Research Record, 2014, 2429, 157-167.	1.0	7
122	Models of bus boarding and alighting dynamics. Transportation Research, Part A: Policy and Practice, 2014, 69, 447-460.	2.0	60
123	Agent-based model for continuous activity planning with an open planning horizon. Transportation, 2014, 41, 905-922.	2.1	16
124	Demand-driven timetable design for metro services. Transportation Research Part C: Emerging Technologies, 2014, 46, 284-299.	3.9	227
125	Repetitions in individual daily activityâ€“travelâ€“location patterns: a study using the Herfindahlâ€“Hirschman Index. Transportation, 2014, 41, 995-1011.	2.1	72
126	Trip Purpose Identification from GPS Tracks. Transportation Research Record, 2014, 2405, 16-23.	1.0	56

#	Article	IF	Citations
127	Surveying data on connected personal networks. Travel Behaviour & Society, 2014, 1, 57-68.	2.4	7
128	Comparison of Estimates of Travel Time Losses on High-Capacity Roads. Transportation Research Record, 2014, 2461, 16-24.	1.0	3
129	Adding Electric Vehicle Modeling Capability to an Agent-Based Transport Simulation. Advances in Data Mining and Database Management Book Series, 2014, , 282-318.	0.4	2
130	The role of location in residential location choice models: a review of literature. Journal of Transport and Land Use, 2014, 7, 3-21.	0.7	108
131	Location choice for a continuous simulation of long periods under changing conditions. Journal of Transport and Land Use, 2014, 7, 85.	0.7	1
132	A complex network approach to understand commercial vehicle movement. Transportation, 2013, 40, 729-750.	2.1	19
133	Investigating the nonlinear relationship between transportation system performance and daily activityâ€“travel scheduling behaviour. Transportation Research, Part A: Policy and Practice, 2013, 49, 342-357.	2.0	9
134	Stated response and multiple discrete-continuous choice models: Analyses of residuals. Journal of Choice Modelling, 2013, 6, 44-59.	1.2	12
135	Distance patterns of personal networks in four countries: a comparative study. Journal of Transport Geography, 2013, 31, 236-248.	2.3	47
136	An agent-based random-utility-maximization model to generate social networks with transitivity in geographic space. Social Networks, 2013, 35, 451-459.	1.3	30
137	Plug-in hybrid electric vehicles and smart grids: Investigations based on a microsimulation. Transportation Research Part C: Emerging Technologies, 2013, 28, 74-86.	3.9	148
138	Estimation of Carsharing Demand Using an Activity-Based Microsimulation Approach: Model Discussion and Some Results. International Journal of Sustainable Transportation, 2013, 7, 70-84.	2.1	76
139	An agent-based cellular automaton cruising-for-parking simulation. Transportation Letters, 2013, 5, 167-175.	1.8	35
140	Including joint decision mechanisms in a multiagent transport simulation. Transportation Letters, 2013, 5, 175-183.	1.8	17
141	Understanding metropolitan patterns of daily encounters. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13774-13779.	3.3	186
142	Route choice sets for very high-resolution data. Transportmetrica A: Transport Science, 2013, 9, 825-845.	1.3	26
143	A Stated Adaptation Approach to Surveying Activity Scheduling Decisions. , 2013, , 569-590.		3
144	Destination choice for relocating firms: A discrete choice model for the St. Gallen region, Switzerland. Papers in Regional Science, 2012, 91, 319-342.	1.0	16

#	Article	IF	Citations
145	Focusing on Connected Personal Leisure Networks: Selected Results from a Snowball Sample. Environment and Planning A, 2012, 44, 1085-1100.	2.1	47
146	Induced Demand â€“ Curse or Benefit?. Disp, 2012, 48, 2-3.	0.8	3
147	Integrating Power Systems, Transport Systems and Vehicle Technology for Electric Mobility Impact Assessment and Efficient Control. IEEE Transactions on Smart Grid, 2012, 3, 934-949.	6.2	177
148	Within-Day Replanning of Exceptional Events. Transportation Research Record, 2012, 2302, 138-147.	1.0	11
149	Assessing Changes in Travel Behavior Induced by Modified Travel Times: A Stated Adaptation Survey and Modeling Approach. Disp, 2012, 48, 40-53.	0.8	5
150	Effects and Side Effects of Measures to Attract Firms â€“ A Micro-Simulation Study of Firm Location Choice. Disp, 2012, 48, 14-28.	0.8	3
151	A dynamic cordon pricing scheme combining the Macroscopic Fundamental Diagram and an agent-based traffic model. Transportation Research, Part A: Policy and Practice, 2012, 46, 1291-1303.	2.0	95
152	Modeling Household Fleet Choice as Function of Fuel Price by Using a Multiple Discreteâ€“Continuous Choice Model. Transportation Research Record, 2012, 2302, 174-183.	1.0	6
153	Investigating the Influence of Environmentalism and Variety Seeking on Mode Choice. Transportation Research Record, 2012, 2322, 31-41.	1.0	22
154	Agent-Based Parking Choice Model. Transportation Research Record, 2012, 2319, 39-46.	1.0	54
155	Interdependencies between turning points in life and long-term mobility decisions. Transportation, 2012, 39, 857-872.	2.1	109
156	Assessment of infrastructure investments using agent-based accessibility. , 2012, , .		0
157	Diminishing effects of location? Some evidence from Swiss municipalities, 1950â€“2000. Journal of Transport Geography, 2011, 19, 1368-1378.	2.3	5
158	Changes in Variations of Travel Time Expenditure. Transportation Research Record, 2011, 2230, 121-131.	1.0	23
159	Continuous Activity Planning for Continuous Traffic Simulation. Transportation Research Record, 2011, 2230, 29-37.	1.0	10
160	Identifying variations and co-variations in discrete choice models. Transportation, 2011, 38, 993-1016.	2.1	15
161	Reconstructing the 2003/2004 H3N2 influenza epidemic in Switzerland with a spatially explicit, individual-based model. BMC Infectious Diseases, 2011, 11, 115.	1.3	50
162	Integration of Activity-Based and Agent-Based Models. Transportation Research Record, 2011, 2255, 38-47.	1.0	36

#	Article	IF	Citations
163	RÃumliche Dynamik des Pendelverkehrs in Deutschland und der Schweiz. Disp, 2011, 47, 12-28.	0.8	6
164	Models of Mode Choice and Mobility Tool Ownership beyond 2008 Fuel Prices. Transportation Research Record, 2010, 2157, 86-94.	1.0	21
165	Large-Scale Agent-Based Combined Traffic Simulation of Private Cars and Commercial Vehicles. Transportation Research Record, 2010, 2168, 24-32.	1.0	43
166	Dynamic model of activity-type choice and scheduling. Transportation, 2010, 37, 15-38.	2.1	35
167	Collecting data on leisure travel: The link between leisure contacts and social interactions. Procedia, Social and Behavioral Sciences, 2010, 4, 38-48.	0.5	21
168	Mapping Overlapping Commuting-to-Work Areas. Journal of Maps, 2010, 6, 147-159.	1.0	13
169	The impacts of road pricing on route and mode choice behaviour. Journal of Choice Modelling, 2010, 3, 109-126.	1.2	23
170	Exploring Variation Properties of Time Use Behavior on the Basis of a Multilevel Multiple Discreteâ€“Continuous Extreme Value Model. Transportation Research Record, 2010, 2156, 101-110.	1.0	35
171	Predicting Response Rate: A Natural Experiment. Survey Practice, 2010, 3, 1-8.	0.9	18
172	Processing Raw Data from Global Positioning Systems without Additional Information. Transportation Research Record, 2009, 2105, 28-36.	1.0	252
173	Vulnerability Assessment Methodology for Swiss Road Network. Transportation Research Record, 2009, 2137, 118-126.	1.0	103
174	Graph-Theoretical Analysis of the Swiss Road and Railway Networks Over Time. Networks and Spatial Economics, 2009, 9, 379-400.	0.7	134
175	An analysis of weekly out-of-home discretionary activity participation and time-use behavior. Transportation, 2009, 36, 483-510.	2.1	59
176	Optimization of Large Transport Networks Using the Ant Colony Heuristic. Computer-Aided Civil and Infrastructure Engineering, 2009, 24, 1-14.	6.3	63
177	Induced travel demand: Evidence from a pseudo panel data based structural equations model. Research in Transportation Economics, 2009, 25, 8-18.	2.2	44
178	Exploring Variation Properties of Departure Time Choice Behavior by Using Multilevel Analysis Approach. Transportation Research Record, 2009, 2134, 10-20.	1.0	31
179	Understanding Residential Mobility. Transportation Research Record, 2009, 2133, 64-74.	1.0	31
180	Location Choice Modeling for Shopping and Leisure Activities with MATSim. Transportation Research Record, 2009, 2135, 87-95.	1.0	51

#	Article	IF	Citations
181	Schweizer Unternehmen â€" Quo vaditis?. Raumforschung Und Raumordnung | Spatial Research and Planning, 2008, 66, .	1.5	3
182	Social Networks, Mobility Biographies, and Travel: Survey Challenges. Environment and Planning B: Planning and Design, 2008, 35, 981-996.	1.7	125
183	COORDINATING FACE-TO-FACE MEETINGS IN MOBILE NETWORK SOCIETIES. Information, Communication and Society, 2008, 11, 640-658.	2.6	51
184	Income and distance elasticities of values of travel time savings: New Swiss results. Transport Policy, 2008, 15, 173-185.	3.4	91
185	Estimating the value of leisure from a time allocation model. Transportation Research Part B: Methodological, 2008, 42, 946-957.	2.8	81
186	Constructing Timeâ€Scaled Maps: Switzerland from 1950 to 2000â€. Transport Reviews, 2008, 28, 391-413.	4.7	24
187	Immobility and Mobility Seen Through Tripâ€Based Versus Timeâ€Use Surveys. Transport Reviews, 2008, 28, 641-658.	4.7	35
188	LONG-TERM AND MID-TERM MOBILITY DECISIONS DURING THE LIFE COURSE. IATSS Research, 2008, 32, 16-33.	1.8	59
189	Weekly Rhythm in Joint Time Expenditure for All At-Home and Out-of-Home Activities. Transportation Research Record, 2008, 2054, 64-73.	1.0	20
190	Estimated Value of Savings in Travel Time in Switzerland. Transportation Research Record, 2008, 2082, 43-55.	1.0	11
191	Transport Infrastructure and Regional Development in Switzerland. Journal of Transport History, 2008, 29, 83-97.	0.7	1
192	Multi-Agent Transport Simulations and Economic Evaluation. , 2008, , .		0
193	Event-Driven Queue-Based Traffic Flow Microsimulation. Transportation Research Record, 2007, 2003, 35-40.	1.0	42
194	Capturing Human Activity Spaces. Transportation Research Record, 2007, 2021, 70-80.	1.0	62
195	Concepts of Travel Behaviour Research. , 2007, , 165-185.		3
196	Activity Spaces, Biographies, Social Networks and their Welfare Gains and Externalities: Some Hypotheses and Empirical Results. Mobilities, 2007, 2, 15-36.	2.5	91
197	Networks and tourism. Annals of Tourism Research, 2007, 34, 244-262.	3.7	281
198	Optimization of the distribution of compressed natural gas (CNG) refueling stations: Swiss case studies. Transportation Research, Part D: Transport and Environment, 2007, 12, 10-22.	3.2	49

#	Article	IF	Citations
199	Immobility in travel diary surveys. Transportation, 2007, 34, 107-128.	2.1	74
200	Fatigue in long-duration travel diaries. Transportation, 2007, 34, 143-160.	2.1	48
201	Predicting road system speeds using spatial structure variables and network characteristics. Journal of Geographical Systems, 2007, 9, 397-417.	1.9	27
202	Geographies of Social Networks: Meetings, Travel and Communications. Mobilities, 2006, 1, 261-283.	2.5	183
203	How routine is a routine? An analysis of the day-to-day variability in prism vertex location. Transportation Research, Part A: Policy and Practice, 2006, 40, 259-279.	2.0	42
204	Agent-Based Demand-Modeling Framework for Large-Scale Microsimulations. Transportation Research Record, 2006, 1985, 125-134.	1.0	53
205	Household Mobility Tool Ownership: Modeling Interactions between Cars and Season Tickets. Transportation, 2006, 33, 311-328.	2.1	53
206	Immobility in travel diary surveys. Transportation, 2006, 33, 481.	2.1	89
207	Agent-Based Demand-Modeling Framework for Large-Scale Microsimulations. Transportation Research Record, 2006, 1985, 125-134.	1.0	88
208	Entwicklung der Erreichbarkeit der Schweizer Gemeinden: 1950 bis 2000. Raumforschung Und Raumordnung | Spatial Research and Planning, 2005, 63, 385.	1.5	5
209	A GA-based household scheduler. Transportation, 2005, 32, 473-494.	2.1	35
210	An analysis of multiple interepisode durations using a unifying multivariate hazard model. Transportation Research Part B: Methodological, 2005, 39, 797-823.	2.8	57
211	On the Variability of Human Activity Spaces. , 2004, , 237-262.		10
212	Structures of Leisure Travel: Temporal and Spatial Variability. Transport Reviews, 2004, 24, 219-237.	4.7	108
213	Driver behaviour during flashing green before amber: a comparative study. Accident Analysis and Prevention, 2004, 36, 273-280.	3.0	103
214	Intershopping duration: an analysis using multiweek data. Transportation Research Part B: Methodological, 2004, 38, 39-60.	2.8	64
215	Eighty Weeks of Global Positioning System Traces: Approaches to Enriching Trip Information. Transportation Research Record, 2004, 1870, 46-54.	1.0	101
216	Locations, Commitments and Activity Spaces. , 2004, , 205-230.		10

#	Article	IF	Citations
217	Introduction: Habitual travel choice. Transportation, 2003, 30, 1-11.	2.1	350
218	Habitual travel behaviour: Evidence from a six-week travel diary. Transportation, 2003, 30, 13-36.	2.1	257
219	An Agent-Based Microsimulation Model of Swiss Travel: First Results. Networks and Spatial Economics, 2003, 3, 23-41.	0.7	109
220	Activity spaces: measures of social exclusion?. Transport Policy, 2003, 10, 273-286.	3.4	333
221	An analysis of the impact of information and communication technologies on non-maintenance shopping activities. Transportation Research Part B: Methodological, 2003, 37, 857-881.	2.8	54
222	Exploratory Analysis of Fixed Commitments in Individual Activityâ€"Travel Patterns. Transportation Research Record, 2002, 1807, 101-108.	1.0	12
223	Mobiplan: an Internet-based personal mobility advisor. Transport Policy, 2002, 9, 155-168.	3.4	5
224	Observing the rhythms of daily life: A six-week travel diary. Transportation, 2002, 29, 95-124.	2.1	324
225	Microsimulation. , 2002, , 583-592.		0
226	Can We Ever Obtain the Data We Would Like to Have?. , 1998, , 305-323.		21
227	Travel choice and the goal/process utility distinction. Applied Cognitive Psychology, 1996, 10, 65-74.	0.9	13
228	Car availability change in England and Wales 1971?1981. Transportation, 1995, 22, 151-164.	2.1	2
229	Effects of information in road transport networks with recurrent congestion. Transportation, 1995, 22, 21-53.	2.1	122
230	The potential of information provision in a simulated road transport network with non-recurrent congestion. Transportation Research Part C: Emerging Technologies, 1995, 3, 293-309.	3.9	69
231	The economics of motorist information systems revisited. Transport Reviews, 1994, 14, 363-388.	4.7	30
232	Activityâ€based approaches to travel analysis: conceptual frameworks, models, and research problems. Transport Reviews, 1992, 12, 323-341.	4.7	423
233	Choice of parking: Stated preference approach. Transportation, 1991, 18, 59-81.	2.1	111
234	Simulating Activity Chains: German Approach. Journal of Transportation Engineering, 1989, 115, 316-325.	0.9	22

#	Article	IF	Citations
235	A Traffic Equilibrium Model with Paid-Parking Search. SSRN Electronic Journal, 0, , .	0.4	4
236	The role of unpaid domestic work in explaining the gender gap in the (monetary) value of leisure. Transportation, 0, , 1.	2.1	1
237	Tracing the Sars-CoV-2 Impact: The First Month in Switzerland. Findings, 0, , .	0.0	39
238	A multiscale classiï¬cation of urban morphology. Journal of Transport and Land Use, 0, , .	0.7	20
239	Relaxationâ€“discretization algorithm for spatially constrained secondary location assignment. Transportmetrica A: Transport Science, 0, , 1-20.	1.3	4
240	Predicting response rates of all and recruited respondents: A first attempt. , 0, , .		2
241	Modeling Urban Mode Choice Behavior During the COVID-19 Pandemic in Switzerland Using Mixed Multiple Discrete-Continuous Extreme Value Models. Transportation Research Record, 0, , 036119812210895.	1.0	5
242	Impact of the COVID-19 Pandemic on Activity Time Use and Timing Behavior in Switzerland. Transportation Research Record, 0, , 036119812210872.	1.0	3
243	Investigation of Shifts in Time Use Behavior during the COVID-19 Pandemic: A Mixed Multiple Discrete-Continuous Extreme Value Approach with Panel GPS Data. Transportation Research Record, 0, , 036119812210999.	1.0	2