

Luk Knapen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70
papers

579
citations

14
h-index

22
g-index

72
ext. papers

691
ext. citations

2.4
avg, IF

3.77
L-index

#	Paper	IF	Citations
70	Yearly Development of Car Ownership in Urban and Rural Environments. <i>Procedia Computer Science</i> , 2022 , 201, 101-108	1.6	1
69	Path complexity and bicyclist route choice set quality assessment. <i>Personal and Ubiquitous Computing</i> , 2021 , 25, 63-75	2.1	1
68	Expanding the analysis scope of a MATSim transport simulation by integrating the FEATHERS activity-based demand model. <i>Procedia Computer Science</i> , 2021 , 184, 753-760	1.6	0
67	An Activity Based integrated approach to model impacts of parking, hubs and new mobility concepts. <i>Procedia Computer Science</i> , 2021 , 184, 428-437	1.6	0
66	Bicycle Parking in Station Areas in the Netherlands. <i>Procedia Computer Science</i> , 2021 , 184, 338-345	1.6	1
65	Optimal bicycle trip impediments resolution by data fusion. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021 , 12, 103-120	3.7	
64	A Matching Framework for Employees to Support Carpooling in the Context of Large Companies. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 1-12	6.1	
63	On the use of clustering analysis for identification of unsafe places in an urban traffic network. <i>Procedia Computer Science</i> , 2020 , 170, 187-194	1.6	5
62	Door-to-door transit accessibility using Pareto optimal range queries. <i>Procedia Computer Science</i> , 2020 , 170, 107-114	1.6	
61	Identifying bicycle trip impediments by data fusion. <i>Procedia Computer Science</i> , 2020 , 170, 195-202	1.6	1
60	GTFS bus stop mapping to the OSM network. <i>Future Generation Computer Systems</i> , 2020 , 110, 393-406	7.5	4
59	Using path decomposition enumeration to enhance route choice models. <i>Future Generation Computer Systems</i> , 2020 , 107, 1077-1088	7.5	2
58	Optimal recharging framework and simulation for electric vehicle fleet. <i>Future Generation Computer Systems</i> , 2020 , 107, 745-757	7.5	9
57	A simulation study of commuting alternatives for day care centres. <i>Future Generation Computer Systems</i> , 2020 , 110, 323-337	7.5	0
56	Path complexity for observed and predicted bicyclist routes. <i>Procedia Computer Science</i> , 2019 , 151, 393-400		1
55	Bicyclist Route Choice: Data Exploration and Research Project Outline. <i>Procedia Computer Science</i> , 2019 , 151, 401-408	1.6	
54	Modelling Distribution of External/Internal Trips and Its Intra-region and Inter-region Transferability. <i>Arabian Journal for Science and Engineering</i> , 2019 , 44, 4517-4532	2.5	2

53	Agent-based Dynamic Rescheduling of Daily Activities. <i>Procedia Computer Science</i> , 2018 , 130, 979-984	1.6	4
52	Likelihood-based offline map matching of GPS recordings using global trace information. <i>Transportation Research Part C: Emerging Technologies</i> , 2018 , 93, 13-35	8.4	17
51	First steps towards a state-of-the-art parking simulator. <i>Procedia Computer Science</i> , 2018 , 130, 779-784	1.6	0
50	A task scheduling method for agent/activity-based models. <i>Procedia Computer Science</i> , 2018 , 130, 761-766		
49	Design of a feedback intervention to increase travel related physical activity of CVD patients. <i>Procedia Computer Science</i> , 2018 , 141, 434-441	1.6	0
48	Modeling Demand Responsive Transport using SARL and MATSim. <i>Procedia Computer Science</i> , 2017 , 109, 1074-1079	1.6	9
47	GTFS Bus Stop Mapping to the OSM Network. <i>Procedia Computer Science</i> , 2017 , 109, 50-58	1.6	2
46	Enumerating minimum path decompositions to support route choice set generation. <i>Procedia Computer Science</i> , 2017 , 109, 196-203	1.6	1
45	Modeling value of time for trip chains using sigmoid utility. <i>Personal and Ubiquitous Computing</i> , 2017 , 21, 1041-1053	2.1	
44	Addressing the Challenges of Conservative Event Synchronization for the SARL Agent-Programming Language. <i>Lecture Notes in Computer Science</i> , 2017 , 31-42	0.9	1
43	. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2016 , 8, 33-44	2.6	115
42	Threshold settings for TRIP/STOP detection in GPS traces. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2016 , 7, 395-413	3.7	10
41	Estimating Incoming Cross-border Trips Through Land Use data Resources [A Case of Karachi City]. <i>Procedia Computer Science</i> , 2016 , 83, 270-277	1.6	
40	Modelling Value of Time for Trip Chains in Daily Schedules. <i>Procedia Computer Science</i> , 2016 , 83, 615-620	1.6	
39	Organizational-based model and agent-based simulation for long-term carpooling. <i>Future Generation Computer Systems</i> , 2016 , 64, 125-139	7.5	9
38	Negotiation and Coordination in Carpooling: Agent-Based Simulation Model. <i>Transportation Research Record</i> , 2016 , 2542, 92-101	1.7	6
37	Data Preparation to Simulate Public Transport in Micro-Simulations Using OSM and GTFS. <i>Procedia Computer Science</i> , 2016 , 83, 50-57	1.6	3
36	A Generic Data-driven Sequential Clustering Algorithm Determining Activity Skeletons. <i>Procedia Computer Science</i> , 2016 , 83, 34-41	1.6	4

35	Towards an Agent-based Model for Demand-Responsive Transport Serving Thin Flows. <i>Procedia Computer Science</i> , 2016 , 83, 952-957	1.6	2
34	Estimation of Value of Time for a Congested Network I A Case Study of the National Highway, Karachi. <i>Procedia Computer Science</i> , 2016 , 83, 262-269	1.6	1
33	Determining structural route components from GPS traces. <i>Transportation Research Part B: Methodological</i> , 2016 , 90, 156-171	7.2	14
32	A coordinated Framework for Optimized Charging of EV Fleet in Smart Grid. <i>Procedia Computer Science</i> , 2016 , 94, 332-339	1.6	17
31	Validation of Activity-based Travel Demand Model using Smart-card Data in Seoul, South Korea. <i>Procedia Computer Science</i> , 2015 , 52, 707-712	1.6	2
30	Diary Survey Quality Assessment Using GPS Traces. <i>Procedia Computer Science</i> , 2015 , 52, 600-605	1.6	3
29	TRIP/STOP Detection in GPS Traces to Feed Prompted Recall Survey. <i>Procedia Computer Science</i> , 2015 , 52, 262-269	1.6	5
28	Decentralized coordinated charging of electric vehicles considering locational and temporal flexibility. <i>International Transactions on Electrical Energy Systems</i> , 2015 , 25, 2562-2575	2.2	15
27	Relationship Between Spatio-temporal Electricity Cost Variability and E-mobility. <i>Procedia Computer Science</i> , 2015 , 52, 772-779	1.6	
26	Agent-based Simulation Model for Long-term Carpooling: Effect of Activity Planning Constraints. <i>Procedia Computer Science</i> , 2015 , 52, 412-419	1.6	13
25	Scalability issues in optimal assignment for carpooling. <i>Journal of Computer and System Sciences</i> , 2015 , 81, 568-584	1	8
24	Agent-Based Modeling for Carpooling 2015 , 662-688		
23	Multi-agent simulation of individual mobility behavior in carpooling. <i>Transportation Research Part C: Emerging Technologies</i> , 2014 , 45, 83-98	8.4	62
22	Determining Electric Vehicle Charging Point Locations Considering Drivers Daily Activities. <i>Procedia Computer Science</i> , 2014 , 32, 647-654	1.6	30
21	Canonic Route Splitting. <i>Procedia Computer Science</i> , 2014 , 32, 309-316	1.6	1
20	Theory and Practice in Large Carpooling Problems. <i>Procedia Computer Science</i> , 2014 , 32, 339-347	1.6	20
19	Within day rescheduling microsimulation combined with macrosimulated traffic. <i>Transportation Research Part C: Emerging Technologies</i> , 2014 , 45, 99-118	8.4	7
18	A framework for electric vehicle charging strategy optimization tested for travel demand generated by an activity-based model 2014 ,		1

17	Organizational and Agent-based Automated Negotiation Model for Carpooling. <i>Procedia Computer Science</i> , 2014 , 37, 396-403	1.6	5
16	Exploiting graph-theoretic tools for matching in carpooling applications. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2014 , 5, 393-407	3.7	16
15	Synthetic Population Techniques in Activity-Based Research. <i>Advances in Data Mining and Database Management Book Series</i> , 2014 , 48-70	0.6	3
14	Electric Vehicles in the Smart Grid. <i>Advances in Data Mining and Database Management Book Series</i> , 2014 , 340-363	0.6	
13	Impacts of Electric Mobility on the Electric Grid. <i>Advances in Data Mining and Database Management Book Series</i> , 2014 , 319-339	0.6	1
12	Agent-Based Modeling for Carpooling. <i>Advances in Data Mining and Database Management Book Series</i> , 2014 , 232-258	0.6	
11	Simulation Model of Carpooling with the Janus Multiagent Platform. <i>Procedia Computer Science</i> , 2013 , 19, 860-866	1.6	12
10	Applying an Activity based Model to Explore the Potential of Electrical Vehicles in the Smart Grid. <i>Procedia Computer Science</i> , 2013 , 19, 847-853	1.6	8
9	An Activity-based Carpooling Microsimulation Using Ontology. <i>Procedia Computer Science</i> , 2013 , 19, 48-556		8
8	Estimating Scalability Issues While Finding an Optimal Assignment for Carpooling. <i>Procedia Computer Science</i> , 2013 , 19, 372-379	1.6	14
7	Nationwide impact and vehicle to grid application of electric vehicles mobility using an activity based model 2013 ,		2
6	Activity-Based Modeling to Predict Spatial and Temporal Power Demand of Electric Vehicles in Flanders, Belgium. <i>Transportation Research Record</i> , 2012 , 2287, 146-154	1.7	26
5	An Agent-Based Model to Evaluate Carpooling at Large Manufacturing Plants. <i>Procedia Computer Science</i> , 2012 , 10, 1221-1227	1.6	20
4	Analysis of the Co-routing Problem in Agent-based Carpooling Simulation. <i>Procedia Computer Science</i> , 2012 , 10, 821-826	1.6	15
3	A Conceptual Design of an Agent-based Interaction Model for the Carpooling Application. <i>Procedia Computer Science</i> , 2012 , 10, 801-807	1.6	22
2	Exploiting Graph-theoretic Tools for Matching and Partitioning of Agent Population in an Agent-based Model for Traffic and Transportation Applications. <i>Procedia Computer Science</i> , 2012 , 10, 833-839	1.6	
1	Activity based models for countrywide electric vehicle power demand calculation 2011 ,		17