

Bruno Kochan

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

761
citations

623574

14
h-index

526166

27
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49
all docs

49
docs citations

49
times ranked

913
citing authors

#	ARTICLE	IF	CITATIONS
1	Implementation Framework and Development Trajectory of FEATHERS Activity-Based Simulation Platform. <i>Transportation Research Record</i> , 2010, 2175, 111-119.	1.0	120
2	Presentation and evaluation of an integrated model chain to respond to traffic- and health-related policy questions. <i>Environmental Modelling and Software</i> , 2013, 40, 160-170.	1.9	91
3	Modeling temporal and spatial variability of traffic-related air pollution: Hourly land use regression models for black carbon. <i>Atmospheric Environment</i> , 2013, 74, 237-246.	1.9	76
4	Health impact assessment of air pollution using a dynamic exposure profile: Implications for exposure and health impact estimates. <i>Environmental Impact Assessment Review</i> , 2012, 36, 42-51.	4.4	64
5	Assessing the road safety impacts of a teleworking policy by means of geographically weighted regression method. <i>Journal of Transport Geography</i> , 2014, 39, 96-110.	2.3	38
6	Integrated health impact assessment of travel behaviour: Model exploration and application to a fuel price increase. <i>Environment International</i> , 2013, 51, 45-58.	4.8	37
7	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.	1.0	30
8	Evaluating the road safety effects of a fuel cost increase measure by means of zonal crash prediction modeling. <i>Accident Analysis and Prevention</i> , 2013, 50, 186-195.	3.0	28
9	Implementation and validation of a modeling framework to assess personal exposure to black carbon. <i>Environment International</i> , 2014, 62, 64-71.	4.8	28
10	Integration of population mobility in the evaluation of air quality measures on local and regional scales. <i>Atmospheric Environment</i> , 2012, 59, 67-74.	1.9	25
11	Application of Different Exposure Measures in Development of Planning-Level Zonal Crash Prediction Models. <i>Transportation Research Record</i> , 2012, 2280, 145-153.	1.0	23
12	Socioeconomic and sociodemographic inequalities and their association with road traffic injuries. <i>Journal of Transport and Health</i> , 2017, 4, 152-161.	1.1	23
13	Field Evaluation of Personal Digital Assistant Enabled by Global Positioning System. <i>Transportation Research Record</i> , 2008, 2049, 136-143.	1.0	22
14	Activity-based model for medium-sized cities considering external activityâ€ˆtravel: Enhancing FEATHERS framework. <i>Future Generation Computer Systems</i> , 2019, 96, 51-63.	4.9	15
15	Toward the improvement of traffic incident management systems using Car2X technologies. <i>Personal and Ubiquitous Computing</i> , 2021, 25, 163-176.	1.9	15
16	The usefulness of the Sequence Alignment Methods in validating rule-based activity-based forecasting models. <i>Transportation</i> , 2012, 39, 773-789.	2.1	13
17	Developing an optimised activity type annotation method based on classification accuracy and entropy indices. <i>Transportmetrica A: Transport Science</i> , 2017, 13, 742-766.	1.3	12
18	Investigating micro-simulation error in activity-based travel demand forecasting: a case study of the FEATHERS framework. <i>Transportation Planning and Technology</i> , 2015, 38, 425-441.	0.9	10

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19	Activity-Based Travel Demand Modeling Framework FEATHERS: Sensitivity Analysis with Decision Trees. Transportation Research Record, 2016, 2564, 89-99.	1.0	9
20	Multi-stage trips: An exploration of factors affecting mode combination choice of travelers in England. Transport Policy, 2019, 81, 95-105.	3.4	8
21	Assessing the environmental impact associated with different trip purposes. Transportation Research, Part D: Transport and Environment, 2013, 18, 110-116.	3.2	7
22	Travel Demand Forecasting Using Activity-Based Modeling Framework FEATHERS: An Extension. International Journal of Intelligent Systems, 2015, 30, 948-962.	3.3	7
23	Modeling Personal Exposure to Air Pollution with AB2C: Environmental Inequality. Procedia Computer Science, 2014, 32, 269-276.	1.2	6
24	Investigating pedestrian walkability using a multitude of Seoul data sources. Transportmetrica B, 2018, 6, 54-73.	1.4	6
25	Quality assessment of location data obtained by the GPS-enabled PARROTS survey tool. Journal of Location Based Services, 2010, 4, 93-104.	1.4	5
26	A Generic Data-driven Sequential Clustering Algorithm Determining Activity Skeletons. Procedia Computer Science, 2016, 83, 34-41.	1.2	4
27	Applying FEATHERS for Travel Demand Analysis: Model Considerations. Applied Sciences (Switzerland), 2018, 8, 211.	1.3	4
28	Zipf's power law in activity schedules and the effect of aggregation. Future Generation Computer Systems, 2020, 107, 1014-1025.	4.9	4
29	Investigating the Minimum Size of Study Area for an Activity-Based Travel Demand Forecasting Model. Mathematical Problems in Engineering, 2015, 2015, 1-9.	0.6	3
30	Validation of Activity-based Travel Demand Model using Smart-card Data in Seoul, South Korea. Procedia Computer Science, 2015, 52, 707-712.	1.2	3
31	Exploratory analysis of Zipf's universal power law in activity schedules. Transportation, 2019, 46, 1689-1712.	2.1	3
32	Geographical Extension of the Activity-based Modeling Framework FEATHERS. Procedia Computer Science, 2014, 32, 774-779.	1.2	2
33	Zipf's power law in activity schedules and the effect of aggregation. Procedia Computer Science, 2017, 109, 225-232.	1.2	2
34	Exploring the Spatial Transferability of FEATHERS "An Activity Based Travel Demand Model" For Ho Chi Minh City, Vietnam. Procedia Computer Science, 2019, 151, 226-233.	1.2	2
35	An Activity Based integrated approach to model impacts of parking, hubs and new mobility concepts. Procedia Computer Science, 2021, 184, 428-437.	1.2	2
36	A framework for electric vehicle charging strategy optimization tested for travel demand generated by an activity-based model. , 2014, , .		1

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37	First steps towards a state-of-the-art parking simulator. <i>Procedia Computer Science</i> , 2018, 130, 779-784.	1.2	1
38	Optimizing copious activity type classes based on classification accuracy and entropy retention. <i>Future Generation Computer Systems</i> , 2020, 110, 338-349.	4.9	1
39	A Study on Data Preprocessing for the Activity-Travel Simulator: A Case of FEATHERS Seoul. <i>Journal of Korean Society of Transportation</i> , 2014, 32, 531-543.	0.1	1
40	Is Driving 1 km to Work Worse for the Environment Than Driving 1 km for Shopping?. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2014, , 79-83.	0.1	1
41	Activity-Based Travel Demand Forecasting Using Micro-Simulation. <i>Advances in Data Mining and Database Management Book Series</i> , 2014, , 167-181.	0.4	1
42	Issues in Feathers Application in the Seoul Metropolitan Area. <i>Advances in Data Mining and Database Management Book Series</i> , 2014, , 71-85.	0.4	1
43	Evaluation of Spatio-Temporal Microsimulation Systems. <i>Advances in Data Mining and Database Management Book Series</i> , 2014, , 141-166.	0.4	1
44	Traffic Safety Implications of Travel Demand Management Policies. , 2015, , 1082-1107.		1
45	Modeling and Structuring of Activity Scheduling Choices with Consideration of Intrazonal Tours: A Case Study of Motorcycle-Based Cities. <i>Sustainability</i> , 2022, 14, 6367.	1.6	1
46	Research on Restrained Study Areas for Effective Activity-Based Travel Demand Forecasting. , 2014, , .		0
47	Traffic Safety Implications of Travel Demand Management Policies. <i>Advances in Data Mining and Database Management Book Series</i> , 2014, , 115-140.	0.4	0
48	Activity Sequence Generation Using Universal Mobility Patterns. <i>Transportation Research Record</i> , 0, , 036119812110624.	1.0	0