Geert Wets

List of Publications by Year
in descending order

298 papers	7,580 citations	53751 45 h-index	85498 71 g-index
303 all docs	303 docs citations	303 times ranked	6640 citing authors

#	Article	IF	Citations
1	Personal exposure to Black Carbon in transport microenvironments. Atmospheric Environment, 2012, 55, 392-398.	1.9	269
2	A rough sets based characteristic relation approach for dynamic attribute generalization in data mining. Knowledge-Based Systems, 2007, 20, 485-494.	4.0	267
3	Impact of time–activity patterns on personal exposure to black carbon. Atmospheric Environment, 2011, 45, 3594-3602.	1.9	232
4	Traffic accident segmentation by means of latent class clustering. Accident Analysis and Prevention, 2008, 40, 1257-1266.	3.0	186
5	Studying the effect of weather conditions on daily crash counts using a discrete time-series model. Accident Analysis and Prevention, 2008, 40, 1180-1190.	3.0	171
6	Assessing the Impact of Weather on Traffic Intensity. Weather, Climate, and Society, 2010, 2, 60-68.	0.5	142
7	Changes in Travel Behavior in Response to Weather Conditions. Transportation Research Record, 2010, 2157, 22-28.	1.0	142
8	Combining road safety information in a performance index. Accident Analysis and Prevention, 2008, 40, 1337-1344.	3.0	141
9	Implementation Framework and Development Trajectory of FEATHERS Activity-Based Simulation Platform. Transportation Research Record, 2010, 2175, 111-119.	1.0	120
10	Benchmarking road safety: Lessons to learn from a data envelopment analysis. Accident Analysis and Prevention, 2009, 41, 174-182.	3.0	117
11	A dynamic activity-based population modelling approach to evaluate exposure to air pollution: Methods and application to a Dutch urban area. Environmental Impact Assessment Review, 2009, 29, 179-185.	4.4	112
12	How children view their travel behaviour: a case study from Flanders (Belgium). Journal of Transport Geography, 2010, 18, 702-710.	2.3	109
13	Road safety risk evaluation and target setting using data envelopment analysis and its extensions. Accident Analysis and Prevention, 2012, 48, 430-441.	3.0	100
14	Presentation and evaluation of an integrated model chain to respond to traffic- and health-related policy questions. Environmental Modelling and Software, 2013, 40, 160-170.	1.9	91
15	Explaining variation in safety performance of roundabouts. Accident Analysis and Prevention, 2010, 42, 393-402.	3.0	88
16	In Silico Identification of New Secretory Peptide Genes in Drosophila melanogaster. Molecular and Cellular Proteomics, 2006, 5, 510-522.	2.5	85
17	Understanding spatial concentrations of road accidents using frequent item sets. Accident Analysis and Prevention, 2005, 37, 787-799.	3.0	83
18	Investigating the influence of working memory capacity when driving behavior is combined with cognitive load: An LCT study of young novice drivers. Accident Analysis and Prevention, 2014, 62, 377-387.	3.0	83

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19	The Construction of a Bioactive Peptide Database in Metazoa. Journal of Proteome Research, 2008, 7, 4119-4131.	1.8	81
20	Multi-agent simulation of individual mobility behavior in carpooling. Transportation Research Part C: Emerging Technologies, 2014, 45, 83-98.	3.9	80
21	Street characteristics and traffic factors determining road users' exposure to black carbon. Science of the Total Environment, 2013, 447, 72-79.	3.9	77
22	Integrating Bayesian networks and decision trees in a sequential rule-based transportation model. European Journal of Operational Research, 2006, 175, 16-34.	3.5	76
23	Modeling temporal and spatial variability of traffic-related air pollution: Hourly land use regression models for black carbon. Atmospheric Environment, 2013, 74, 237-246.	1.9	76
24	Annotating mobile phone location data with activity purposes using machine learning algorithms. Expert Systems With Applications, 2013, 40, 3299-3311.	4.4	73
25	UAV-Based Traffic Analysis: A Universal Guiding Framework Based on Literature Survey. Transportation Research Procedia, 2017, 22, 541-550.	0.8	70
26	Unmanned Aerial Vehicle-Based Traffic Analysis: A Case Study for Shockwave Identification and Flow Parameters Estimation at Signalized Intersections. Remote Sensing, 2018, 10, 458.	1.8	68
27	Shifting towards environment-friendly modes: profiling travelers using Q-methodology. Transportation, 2009, 36, 437-453.	2.1	67
28	A generalized multiple layer data envelopment analysis model for hierarchical structure assessment: A case study in road safety performance evaluation. Expert Systems With Applications, 2011, 38, 15262-15272.	4.4	67
29	Investigating the Variability in Daily Traffic Counts through use of ARIMAX and SARIMAX Models. Transportation Research Record, 2009, 2136, 57-66.	1.0	66
30	The effects of roundabouts on traffic safety for bicyclists: An observational study. Accident Analysis and Prevention, 2008, 40, 518-526.	3.0	65
31	An evaluation of graduated driver licensing programs in North America using a meta-analytic approach. Accident Analysis and Prevention, 2009, 41, 1104-1111.	3.0	65
32	Application of Geographically Weighted Regression Technique in Spatial Analysis of Fatal and Injury Crashes. Journal of Transportation Engineering, 2014, 140, .	0.9	65
33	Profiling of High-Frequency Accident Locations by Use of Association Rules. Transportation Research Record, 2003, 1840, 123-130.	1.0	62
34	The Relation Between Cognitive Control and Risky Driving in Young Novice Drivers. Applied Neuropsychology Adult, 2015, 22, 61-72.	0.7	60
35	Identifying Decision Structures Underlying Activity Patterns: An Exploration of Data Mining Algorithms. Transportation Research Record, 2000, 1718, 1-9.	1.0	59
36	Detecting urban road network accessibility problems using taxi GPS data. Journal of Transport Geography, 2016, 51, 147-157.	2.3	59

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37	Injury crashes with bicyclists at roundabouts: influence of some location characteristics and the design of cycle facilities. Journal of Safety Research, 2009, 40, 141-148.	1.7	57
38	Data Envelopment Analysis for Composite Indicators: A Multiple Layer Model. Social Indicators Research, 2013, 114, 739-756.	1.4	54
39	Modelling public bus/minibus transport accident severity in Ghana. Accident Analysis and Prevention, 2018, 119, 114-121.	3.0	54
40	Externality of risk and crash severity at roundabouts. Accident Analysis and Prevention, 2010, 42, 1966-1973.	3.0	53
41	An evaluation of the traffic safety effect of fixed speed cameras. Safety Science, 2014, 62, 168-174.	2.6	53
42	Characterizing activity sequences using profile Hidden Markov Models. Expert Systems With Applications, 2015, 42, 5705-5722.	4.4	49
43	Unmanned Aerial Vehicleâ€"Based Traffic Analysis: Methodological Framework for Automated Multivehicle Trajectory Extraction. Transportation Research Record, 2017, 2626, 25-33.	1.0	49
44	Disaggregation of nation-wide dynamic population exposure estimates in The Netherlands: Applications of activity-based transport models. Atmospheric Environment, 2009, 43, 5454-5462.	1.9	48
45	A simulator study on the impact of traffic calming measures in urban areas on driving behavior and workload. Accident Analysis and Prevention, 2013, 61, 43-53.	3.0	47
46	Building a validation measure for activity-based transportation models based on mobile phone data. Expert Systems With Applications, 2014, 41, 6174-6189.	4.4	46
47	Meteorological variation in daily travel behaviour: evidence from revealed preference data from the Netherlands. Theoretical and Applied Climatology, 2015, 120, 183-194.	1.3	46
48	The effect of pavement markings on driving behaviour in curves: a simulator study. Ergonomics, 2017, 60, 701-713.	1.1	46
49	Does attention capacity moderate the effect of driver distraction in older drivers?. Accident Analysis and Prevention, 2015, 77, 12-20.	3.0	45
50	Driving with intelligent speed adaptation: Final results of the Belgian ISA-trial. Transportation Research, Part A: Policy and Practice, 2007, 41, 267-279.	2.0	44
51	An Integrated Activity-Based Modelling Framework to Assess Vehicle Emissions: Approach and Application. Environment and Planning B: Planning and Design, 2009, 36, 1086-1102.	1.7	43
52	Behavioural effects of fixed speed cameras on motorways: Overall improved speed compliance or kangaroo jumps?. Accident Analysis and Prevention, 2014, 73, 132-140.	3.0	42
53	Road safety risk evaluation by means of ordered weighted averaging operators and expert knowledge. Knowledge-Based Systems, 2010, 23, 48-52.	4.0	41
54	Identifying mismatch between urban travel demand and transport network services using GPS data: A case study in the fast growing Chinese city of Harbin. Neurocomputing, 2016, 181, 4-18.	3.5	39

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55	Extended prediction models for crashes at roundabouts. Safety Science, 2011, 49, 198-207.	2.6	38
56	Assessing the road safety impacts of a teleworking policy by means of geographically weighted regression method. Journal of Transport Geography, 2014, 39, 96-110.	2.3	38
57	Inhibitory control and reward predict risky driving in young novice drivers â€" a simulator study. Procedia, Social and Behavioral Sciences, 2011, 20, 604-612.	0.5	35
58	Traffic fatality indicators in Brazil: State diagnosis based on data envelopment analysis research. Accident Analysis and Prevention, 2015, 81, 61-73.	3.0	34
59	Driversâ€™ behavioral responses to combined speed and red light cameras. Accident Analysis and Prevention, 2015, 81, 153-166.	3.0	34
60	Road safety development in Europe: A decade of changes (2001â€"2010). Accident Analysis and Prevention, 2013, 60, 85-94.	3.0	33
61	Effect of a working memory training on aspects of cognitive ability and driving ability of older drivers: Merits of an adaptive training over a non-adaptive training. Transportation Research Part F: Traffic Psychology and Behaviour, 2016, 42, 15-27.	1.8	33
62	Investigating risky, distracting, and protective peer passenger effects in a dual process framework. Accident Analysis and Prevention, 2016, 93, 217-225.	3.0	33
63	Scrutinizing individualsâ€™ leisure-shopping travel decisions to appraise activity-based models of travel demand. Transportation, 2010, 37, 647-661.	2.1	32
64	The socio-cognitive links between road pricing acceptability and changes in travel-behavior. Transportation Research, Part A: Policy and Practice, 2011, 45, 779-788.	2.0	32
65	Documenting outdoor activity and travel behaviour in persons with neurological conditions using travel diaries and GPS tracking technology: a pilot study in multiple sclerosis. Disability and Rehabilitation, 2013, 35, 1718-1725.	0.9	32
66	Inter-national benchmarking of road safety: State of the art. Transportation Research Part C: Emerging Technologies, 2015, 50, 37-50.	3.9	32
67	A multivariate Poisson mixture model for marketing applications. Statistica Neerlandica, 2004, 58, 322-348.	0.9	31
68	Uncovering conserved patterns in bioactive peptides in Metazoa. Peptides, 2006, 27, 3137-3153.	1.2	31
69	Road Safety Differences between Priority-Controlled Intersections and Right-Hand Priority Intersections. Transportation Research Record, 2013, 2365, 39-48.	1.0	31
70	Unmanned Aerial Vehicle-based Traffic Analysis: A Case Study to Analyze Traffic Streams at Urban Roundabouts. Procedia Computer Science, 2018, 130, 636-643.	1.2	31
71	Towards better road safety management: Lessons learned from inter-national benchmarking. Accident Analysis and Prevention, 2020, 138, 105484.	3.0	31
72	Improving Performance of Multiagent Rule-Based Model for Activity Pattern Decisions with Bayesian Networks. Transportation Research Record, 2004, 1894, 75-83.	1.0	30

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73	Activity-Based Modeling to Predict Spatial and Temporal Power Demand of Electric Vehicles in Flanders, Belgium. Transportation Research Record, 2012, 2287, 146-154.	1.0	30
74	Investigating Effect of Holidays on Daily Traffic Counts. Transportation Research Record, 2007, 2019, 22-31.	1.0	29
75	Uncertainty assessment of the road safety index. Reliability Engineering and System Safety, 2009, 94, 1220-1228.	5.1	28
76	Modeling qualitative data in data envelopment analysis for composite indicators. International Journal of Systems Assurance Engineering and Management, 2011, 2, 21-30.	1.5	28
77	Evaluating the road safety effects of a fuel cost increase measure by means of zonal crash prediction modeling. Accident Analysis and Prevention, 2013, 50, 186-195.	3.0	28
78	Implementation and validation of a modeling framework to assess personal exposure to black carbon. Environment International, 2014, 62, 64-71.	4.8	28
79	Bioinformatic Analysis of Peptide Precursor Proteins. Annals of the New York Academy of Sciences, 2005, 1040, 59-65.	1.8	27
80	A Conceptual Design of an Agent-based Interaction Model for the Carpooling Application. Procedia Computer Science, 2012, 10, 801-807.	1.2	27
81	Psychological determinants of motorcycle helmet use among young adults in Cambodia. Transportation Research Part F: Traffic Psychology and Behaviour, 2014, 26, 273-290.	1.8	27
82	Micro-simulation of Car Drivers' Movements at Parking Lots. Procedia Engineering, 2016, 142, 100-107.	1.2	27
83	The relations between specific measures of simulated driving ability and functional ability: New insights for assessment and training programs of older drivers. Transportation Research Part F: Traffic Psychology and Behaviour, 2016, 39, 65-78.	1.8	27
84	Activity based models for countrywide electric vehicle power demand calculation. , 2011, , .		26
85	Identifying the Determinants of Light Rail Mode Choice for Medium- and Long-Distance Trips. Transportation Research Record, 2012, 2275, 30-38.	1.0	26
86	An Agent-Based Model to Evaluate Carpooling at Large Manufacturing Plants. Procedia Computer Science, 2012, 10, 1221-1227.	1.2	26
87	Optimizing the implementation of policy measures through social acceptance segmentation. Transport Policy, 2012, 22, 80-87.	3.4	26
88	A route to school informational intervention for air pollution exposure reduction. Sustainable Cities and Society, 2020, 53, 101965.	5.1	26
89	Automated section speed control on motorways: An evaluation of the effect on driving speed. Accident Analysis and Prevention, 2014, 73, 313-322.	3.0	25
90	The contribution of activity-based transport models to air quality modelling: A validation of the ALBATROSS–AURORA model chain. Science of the Total Environment, 2009, 407, 3814-3822.	3.9	24

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91	Assessing the Impact of Public Holidays on Travel Time Expenditure. Transportation Research Record, 2010, 2157, 29-37.	1.0	24
92	An experimental approach towards the evaluation of a seat belt campaign with an inside view on the psychology behind seat belt use. Transportation Research Part F: Traffic Psychology and Behaviour, 2011, 14, 600-613.	1.8	24
93	A Bayesian approach for modeling origin–destination matrices. Transportation Research, Part A: Policy and Practice, 2012, 46, 200-212.	2.0	24
94	Does the effect of traffic calming measures endure over time? – A simulator study on the influence of gates. Transportation Research Part F: Traffic Psychology and Behaviour, 2014, 22, 63-75.	1.8	24
95	A coordinated Framework for Optimized Charging of EV Fleet in Smart Grid. Procedia Computer Science, 2016, 94, 332-339.	1.2	24
96	Exploring psychological factors of mobile phone use while riding among motorcyclists in Vietnam. Transportation Research Part F: Traffic Psychology and Behaviour, 2020, 73, 292-306.	1.8	24
97	A Bayesian model for ranking hazardous road sites. Journal of the Royal Statistical Society Series A: Statistics in Society, 2007, 170, 1001-1017.	0.6	23
98	Improving Moran's Index to Identify Hot Spots in Traffic Safety. Studies in Computational Intelligence, 2009, , 117-132.	0.7	23
99	A Multiple Criteria Decision–Making Approach for Prioritizing Accident Hotspots in the Absence of Crash Data. Transport Reviews, 2010, 30, 97-113.	4.7	23
100	Application of Different Exposure Measures in Development of Planning-Level Zonal Crash Prediction Models. Transportation Research Record, 2012, 2280, 145-153.	1.0	23
101	Semantic Annotation of Global Positioning System Traces. Transportation Research Record, 2013, 2383, 35-43.	1.0	23
102	Modeling the Perceptions and Preferences of Pedestrians on Crossing Facilities. Discrete Dynamics in Nature and Society, 2014, 2014, 1-8.	0.5	23
103	Evaluating the effectiveness of a post-license education program for young novice drivers in Belgium. Accident Analysis and Prevention, 2014, 66, 62-71.	3.0	23
104	The effect of family climate on risky driving of young novices: The moderating role of attitude and locus of control. Accident Analysis and Prevention, 2014, 73, 53-64.	3.0	23
105	Crash Patterns at Signalized Intersections. Transportation Research Record, 2015, 2514, 105-116.	1.0	23
106	Ranking and selecting dangerous crash locations: Correcting for the number of passengers and Bayesian ranking plots. Journal of Safety Research, 2006, 37, 83-91.	1.7	22
107	Field Evaluation of Personal Digital Assistant Enabled by Global Positioning System. Transportation Research Record, 2008, 2049, 136-143.	1.0	22
108	Modelling Route Choice Decisions of Car Travellers Using Combined GPS and Diary Data. Networks and Spatial Economics, 2013, 13, 351-372.	0.7	22

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109	Application of a Rule-Based Approach in Real-Time Crash Risk Prediction Model Development Using Loop Detector Data. Traffic Injury Prevention, 2015, 16, 786-791.	0.6	22
110	Understanding walking activity in multiple sclerosis: step count, walking intensity and uninterrupted walking activity duration related to degree of disability. Neurological Sciences, 2016, 37, 1483-1490.	0.9	22
111	PSO driven collaborative clustering: A clustering algorithm for ubiquitous environments. Intelligent Data Analysis, 2011, 15, 49-68.	0.4	21
112	Driving performance in persons with mild to moderate symptoms of multiple sclerosis. Disability and Rehabilitation, 2013, 35, 1387-1393.	0.9	21
113	Exploiting graph-theoretic tools for matching in carpooling applications. Journal of Ambient Intelligence and Humanized Computing, 2014, 5, 393-407.	3.3	21
114	Serious Injuries: An Additional Indicator to Fatalities for Road Safety Benchmarking. Traffic Injury Prevention, 2015, 16, 246-253.	0.6	21
115	Sharing is (s)caring? Interactions between buses and bicyclists on bus lanes shared with bicyclists. Transportation Research Part F: Traffic Psychology and Behaviour, 2017, 46, 301-315.	1.8	21
116	Likelihood-based offline map matching of GPS recordings using global trace information. Transportation Research Part C: Emerging Technologies, 2018, 93, 13-35.	3.9	21
117	Association Rules in Identification of Spatial-Temporal Patterns in Multiday Activity Diary Data. Transportation Research Record, 2001, 1752, 32-37.	1.0	20
118	Does Space Matter?. Environment and Behavior, 2009, 41, 75-100.	2.1	20
119	Yielding behavior and traffic conflicts at cyclist crossing facilities on channelized right-turn lanes. Transportation Research Part F: Traffic Psychology and Behaviour, 2018, 55, 272-281.	1.8	20
120	Assessing the Quality of Origin–Destination Matrices Derived from Activity Travel Surveys. Transportation Research Record, 2010, 2183, 49-59.	1.0	19
121	A hybrid system of neural networks and rough sets for road safety performance indicators. Soft Computing, 2010, 14, 1255-1263.	2.1	19
122	Analysis of the Co-routing Problem in Agent-based Carpooling Simulation. Procedia Computer Science, 2012, 10, 821-826.	1.2	19
123	Assessing the impact of different policy decisions on the resource requirements of a Demand Responsive Transport system for persons with disabilities. Transport Policy, 2015, 44, 48-57.	3.4	19
124	A personalized mobility based intervention to promote pro-environmental travel behavior. Sustainable Cities and Society, 2020, 62, 102397.	5.1	19
125	Bioinformatic Approaches to the Identification of Novel Neuropeptide Precursors. Methods in Molecular Biology, 2010, 615, 357-374.	0.4	19
126	Improving associative classification by incorporating novel interestingness measures. Expert Systems With Applications, 2006, 31, 184-192.	4.4	18

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127	Identifying Hazardous Road Locations: Hot Spots versus Hot Zones. Lecture Notes in Computer Science, 2009, , 288-300.	1.0	18
128	Activity Travel Planning and Rescheduling Behavior. Transportation Research Record, 2009, 2134, 135-142.	1.0	18
129	Evaluation of a gamified e-learning platform to improve traffic safety among elementary school pupils in Belgium. Personal and Ubiquitous Computing, 2019, 23, 931-941.	1.9	18
130	Citywide Traffic Analysis Based on the Combination of Visual and Analytic Approaches. Journal of Geovisualization and Spatial Analysis, 2020, 4, 1.	2.1	18
131	Estimating Scalability Issues While Finding an Optimal Assignment for Carpooling. Procedia Computer Science, 2013, 19, 372-379.	1.2	17
132	Using an Activity-Based Framework to Determine Effects of a Policy Measure on Population Exposure to Nitrogen Dioxide. Transportation Research Record, 2011, 2233, 72-79.	1.0	16
133	Effect evaluation of a road safety education program based on victim testimonials in high schools in Belgium. Accident Analysis and Prevention, 2016, 94, 18-27.	3.0	16
134	Observing the observation of (vulnerable) road user behaviour and traffic safety: A scoping review. Accident Analysis and Prevention, 2019, 123, 211-221.	3.0	16
135	Optimal recharging framework and simulation for electric vehicle fleet. Future Generation Computer Systems, 2020, 107, 745-757.	4.9	16
136	Measuring individuals' travel behaviour by use of a GPS-based smartphone application in Dar es Salaam, Tanzania. Journal of Transport Geography, 2020, 88, 102477.	2.3	16
137	A model for identifying and ranking dangerous accident locations: a case study in Flanders. Statistica Neerlandica, 2006, 60, 457-476.	0.9	15
138	Impact of Data Integration on Some Important Travel Behavior Indicators. Transportation Research Record, 2007, 1993, 89-94.	1.0	15
139	Simulation of sequential data: An enhanced reinforcement learning approach. Expert Systems With Applications, 2009, 36, 8032-8039.	4.4	15
140	Applying activity-travel data for the assessment of vehicle exhaust emissions: Application of a GPS-enhanced data collection tool. Transportation Research, Part D: Transport and Environment, 2010, 15, 117-122.	3.2	15
141	Calibrating Activity-Based Models with External Origin-Destination Information. Transportation Research Record, 2010, 2175, 98-110.	1.0	15
142	The effects of social networks on choice set dynamics: Results of numerical simulations using an agent-based approach. Transportation Research, Part A: Policy and Practice, 2011, 45, 310-322.	2.0	15
143	Travel Time Evaluation of a U-Turn Facility. Transportation Research Record, 2011, 2223, 26-33.	1.0	15
144	Determining structural route components from GPS traces. Transportation Research Part B: Methodological, 2016, 90, 156-171.	2.8	15

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145	Threshold settings for TRIP/STOP detection in GPS traces. Journal of Ambient Intelligence and Humanized Computing, 2016, 7, 395-413.	3.3	15
146	A Conceptual Framework for Forecasting Car Driver's On-Street Parking Decisions. Transportation Research Procedia, 2019, 37, 131-138.	0.8	15
147	Risky motorcycle riding behaviour among young riders in Manipal, India. BMC Public Health, 2021, 21, 1954.	1.2	15
148	Destination Choice in Daily Activity Travel. Transportation Research Record, 2008, 2054, 20-27.	1.0	14
149	Road Pricing as an Impetus for Environment-Friendly Travel Behavior. Transportation Research Record, 2009, 2115, 50-59.	1.0	14
150	70 km/h Speed Limits on Former 90 km/h Roads. Human Factors, 2011, 53, 771-785.	2.1	14
151	An interactive computer-based interface to support the discovery of individuals' mental representations and preferences in decisions problems: An application to travel behavior. Computers in Human Behavior, 2011, 27, 997-1011.	5.1	14
152	Agent-based Simulation Model for Long-term Carpooling: Effect of Activity Planning Constraints. Procedia Computer Science, 2015, 52, 412-419.	1.2	14
153	Speed control with and without advanced warning sign on the field: An analysis of the effect on driving speed. Safety Science, 2016, 85, 23-32.	2.6	14
154	Organizational-based model and agent-based simulation for long-term carpooling. Future Generation Computer Systems, 2016, 64, 125-139.	4.9	14
155	Influence of gear-changing behaviour on fuel use and vehicular exhaust emissions. Alliance for Global Sustainability Bookseries, 2007, , 45-51.	0.2	14
156	Analysis of Road Risk by Age and Gender Category. Transportation Research Record, 2007, 2019, 7-14.	1.0	13
157	Measuring dissimilarity of geographically dispersed space–time paths. Transportation, 2011, 38, 65-79.	2.1	13
158	The usefulness of the Sequence Alignment Methods in validating rule-based activity-based forecasting models. Transportation, 2012, 39, 773-789.	2.1	13
159	Mental maps and travel behaviour: meanings and models. Journal of Geographical Systems, 2012, 14, 143-165.	1.9	13
160	To brake or to accelerate? Safety effects of combined speed and red light cameras. Journal of Safety Research, 2014, 50, 59-65.	1.7	13
161	Safety effects of an extensive black spot treatment programme in Flanders-Belgium. Accident Analysis and Prevention, 2014, 66, 72-79.	3.0	13
162	Modeling the injury severity of small-displacement motorcycle crashes in Hanoi City, Vietnam. Safety Science, 2021, 142, 105371.	2.6	13

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163	Allocating time and location information to activity–travel patterns through reinforcement learning. Knowledge-Based Systems, 2007, 20, 466-477.	4.0	12
164	Developing an optimised activity type annotation method based on classification accuracy and entropy indices. Transportmetrica A: Transport Science, 2017, 13, 742-766.	1.3	12
165	Public bus passenger safety evaluations in Ghana: A phenomenological constructivist exploration. Transportation Research Part F: Traffic Psychology and Behaviour, 2018, 58, 339-350.	1.8	12
166	The relation between driving errors and executive functioning in intellectually able young novice drivers with autism. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 63, 38-54.	1.8	12
167	Within day rescheduling microsimulation combined with macrosimulated traffic. Transportation Research Part C: Emerging Technologies, 2014, 45, 99-118.	3.9	11
168	Small-displacement motorcycle crashes and risky ridership in Vietnam: Findings from a focus group and in-depth interview study. Safety Science, 2022, 152, 105514.	2.6	11
169	Evaluating Trauma Management Performance in Europe: A Multiple-Layer Data Envelopment Analysis Model. Transportation Research Record, 2010, 2148, 69-75.	1.0	10
170	An Activity-based Carpooling Microsimulation Using Ontology. Procedia Computer Science, 2013, 19, 48-55.	1.2	10
171	Investigating micro-simulation error in activity-based travel demand forecasting: a case study of the FEATHERS framework. Transportation Planning and Technology, 2015, 38, 425-441.	0.9	10
172	Measuring working memory load effects on electrophysiological markers of attention orienting during a simulated drive. Ergonomics, 2018, 61, 429-443.	1.1	10
173	Describing the Evolution in the Number of Highway Deaths by Decomposition in Exposure, Accident Risk, and Fatality Risk. Transportation Research Record, 2006, 1950, 1-8.	1.0	10
174	Process of learning to drive by young persons with autism: experiences of the young persons themselves, parents, and driving instructors. Transactions on Transport Sciences, 2018, 9, 42-56.	0.2	10
175	The development of an adapted Markov chain modelling heuristic and simulation framework in the context of transportation research. Expert Systems With Applications, 2005, 28, 105-117.	4.4	9
176	Scalability issues in optimal assignment for carpooling. Journal of Computer and System Sciences, 2015, 81, 568-584.	0.9	9
177	Activity-Based Travel Demand Modeling Framework FEATHERS: Sensitivity Analysis with Decision Trees. Transportation Research Record, 2016, 2564, 89-99.	1.0	9
178	Evaluating Speed Enforcement Field Set-Ups Used by Regional Police in Belgium: An Analysis of Speed Outcome Indicators. Safety, 2017, 3, 1.	0.9	9
179	The effect of a simulator based training on specific measures of driving ability in older drivers. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 64, 38-46.	1.8	9
180	Testing the convergent- and predictive validity of a multi-dimensional belief-based scale for attitude towards personal safety on public bus/minibus for long-distance trips in Ghana: A SEM analysis. Transport Policy, 2020, 85, 67-79.	3.4	9

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181	Hot Spot Analysis: Improving a Local Indicator of Spatial Association for Application in Traffic Safety. Lecture Notes in Computer Science, 2008, , 221-231.	1.0	9
182	Stationary and Time-Varying Patterns in Activity Diary Panel Data: Explorative Analysis with Association Rules. Transportation Research Record, 2002, 1807, 9-15.	1.0	8
183	A New Weighting Approach Based on Rough Set Theory and Granular Computing for Road Safety Indicator Analysis. Computational Intelligence, 2016, 32, 517-534.	2.1	8
184	Viamigo. Transportation Research Record, 2017, 2650, 25-32.	1.0	8
185	Travelersâ€™ preferences regarding the interior of public buses: a hierarchical information integration approach. Public Transport, 2018, 10, 529-543.	1.7	8
186	Evaluation of a Road Safety Education Program Based on Driving Under Influence and Traffic Risks for Higher Secondary School Students in Belgium. Safety, 2019, 5, 34.	0.9	8
187	Exploring the Driving Behavior of Youth with an Autism Spectrum Disorder: A Driver Instructor Questionnaire. , 2015, , .		8
188	Role of Exposure in Analysis of Road Accidents: A Belgian Case Study. Transportation Research Record, 2005, 1908, 96-103.	1.0	8
189	Sustainable Road Transport in the European Union. Transportation Research Record, 2011, 2242, 37-44.	1.0	7
190	Performance Assessment of Local Mobility Policy-Making Administrations Using the Principles of Total Quality Management in Flanders, Belgium: Expounding the Decision-Making Processes. International Journal of Sustainable Transportation, 2013, 7, 318-346.	2.1	7
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