Tom Brijs

List of Publications by Year
in descending order

119 papers	3,294 citations	136950 32 h-index	197818 49 g-index
120 all docs	120 docs citations	120 times ranked	2600 citing authors

#	Article	IF	Citations
1	Improved Traffic Flow Efficiency During Yellow Interval at Signalized Intersections Using a Smart Countdown System. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1959-1968.	8.0	6
2	Driving ability in patients with dizziness: a systematic review. European Archives of Oto-Rhino-Laryngology, 2022, 279, 1813-1829.	1.6	4
3	Safety implications of higher levels of automated vehicles: a scoping review. Transport Reviews, 2022, 42, 245-267.	8.8	24
4	Small-displacement motorcycle crashes and risky ridership in Vietnam: Findings from a focus group and in-depth interview study. Safety Science, 2022, 152, 105514.	4.9	11
5	Delay or travel time information? The impact of advanced traveler information systems on drivers' behavior before freeway work zones. Transportation Research Part F: Traffic Psychology and Behaviour, 2022, 87, 454-476.	3.7	3
6	Studying the effects of an advanced driver-assistance system to improve safety of cyclists overtaking. Accident Analysis and Prevention, 2022, 174, 106763.	5.7	17
7	Optical pavement treatments and their impact on speed and lateral position at transition zones: A driving simulator study. Accident Analysis and Prevention, 2021, 150, 105916.	5.7	6
8	Relating Reactive and Proactive Aggression to Trait Driving Anger in Young and Adult Males: A Pilot Study Using Explicit and Implicit Measures. Sustainability, 2021, 13, 1850.	3.2	3
9	Estimation of safety performance functions for urban intersections using various functional forms of the negative binomial regression model and a generalized Poisson regression model. Accident Analysis and Prevention, 2021, 151, 105964.	5.7	27
10	Low-cost road marking measures for increasing safety in horizontal curves: A driving simulator study. Accident Analysis and Prevention, 2021, 153, 106013.	5.7	25
11	Investigating the impact of a novel active gap metering signalization strategy on driver behavior at highway merging sections. Transportation Research Part F: Traffic Psychology and Behaviour, 2021, 78, 42-57.	3.7	11
12	Do detection-based warning strategies improve vehicle yielding behavior at uncontrolled midblock crosswalks?. Accident Analysis and Prevention, 2021, 157, 106166.	5.7	14
13	"Everything Somewhere" or "Something Everywhere" Examining the Implications of Automated Vehicles' Deployment Strategies. Sustainability, 2021, 13, 9750.	3.2	2
14	Acceptability of intelligent speed adaptation technology in developing Countries: The case of Ethiopian minibus taxi drivers. Case Studies on Transport Policy, 2021, 9, 1375-1385.	2.5	2
15	Can immersive virtual reality increase respondents' certainty in discrete choice experiments? A comparison with traditional presentation formats. Journal of Environmental Economics and Management, 2021, 109, 102509.	4.7	19
16	Improved traffic safety at work zones through animation-based variable message signs. Accident Analysis and Prevention, 2021, 159, 106284.	5.7	14
17	Special issue on road safety and simulation 2017. Accident Analysis and Prevention, 2021, 161, 106384.	5.7	0
18	Investigating the effect of marking and delineation treatments on driver behavior at highway exit gore areas. Accident Analysis and Prevention, 2021, 161, 106362.	5.7	3

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19	Modeling the injury severity of small-displacement motorcycle crashes in Hanoi City, Vietnam. Safety Science, 2021, 142, 105371.	4.9	13
20	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.	6.6	9
21	Innovative countermeasures for red light running prevention at signalized intersections: A driving simulator study. Accident Analysis and Prevention, 2020, 134, 105349.	5.7	25
22	Assessing Fitness-To-Drive among Older Drivers: A Comparative Analysis of Potential Alternatives to on-Road Driving Test. International Journal of Environmental Research and Public Health, 2020, 17, 8886.	2.6	3
23	The impact of cognitive functioning on driving performance of older persons in comparison to younger age groups: A systematic review. Transportation Research Part F: Traffic Psychology and Behaviour, 2020, 73, 433-452.	3.7	28
24	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.	3.7	24
25	Effect of ADHD traits in young drivers on self-reported deviant driving behaviours: An exploratory study in the Arab gulf region. Journal of Transport and Health, 2020, 17, 100857.	2.2	3
26	Towards better road safety management: Lessons learned from inter-national benchmarking. Accident Analysis and Prevention, 2020, 138, 105484.	5.7	31
27	Standard freeway merge designs support safer driver behaviour compared to taper designs: a driving simulator study. Ergonomics, 2020, 63, 407-420.	2.1	3
28	Can Automated Vehicles Improve Cyclist Safety in Urban Areas?. Safety, 2019, 5, 57.	1.7	18
29	Investigating the impact of dynamic merge control strategies on driving behavior on rural and urban expressways â€" A driving simulator study. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 65, 469-484.	3.7	29
30	Construction and validation of a public bus passenger safety scale. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 66, 47-62.	3.7	7
31	The relationship between impact speed and the probability of pedestrian fatality during a vehicle-pedestrian crash: A systematic review and meta-analysis. Accident Analysis and Prevention, 2019, 129, 241-249.	5.7	68
32	Driversâ€™ estimation of their travelling speed: a study on an expressway and a localÂroad. International Journal of Injury Control and Safety Promotion, 2019, 26, 216-224.	2.0	18
33	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.	1.7	8
34	Development of single-session driving simulator-based and computer-based training for at-risk older drivers. Educational Gerontology, 2019, 45, 283-296.	1.3	8
35	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.	3.7	9
36	Speed perception and actual speed in a driving simulator and real-world: A validation study. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 62, 637-650.	3.7	72

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37	Impact of perceptual countermeasures on driving behavior at curves using driving simulator. Traffic Injury Prevention, 2019, 20, 93-99.	1.4	32
38	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.	3.7	12
39	Relationship between road traffic features and accidents: An application of two-stage decision-making approach for transportation engineers. Journal of Safety Research, 2019, 69, 201-215.	3.6	16
40	Intersection Control Type Effect on Automated Vehicle Operation. , 2019, , .		3
41	Assessing the impacts of enriched information on crash prediction performance. Accident Analysis and Prevention, 2019, 122, 162-171.	5.7	17
42	Observing the observation of (vulnerable) road user behaviour and traffic safety: A scoping review. Accident Analysis and Prevention, 2019, 123, 211-221.	5.7	16
43	Chapter 5. Urban and Suburban Arterials. Transport and Sustainability, 2018, , 85-106.	0.4	0
44	Aiding medical professionals in fitness-to-drive screenings for elderly drivers: development of an office-based screening tool. International Psychogeriatrics, 2018, 30, 1211-1225.	1.0	13
45	Measuring working memory load effects on electrophysiological markers of attention orienting during a simulated drive. Ergonomics, 2018, 61, 429-443.	2.1	10
46	Driving simulator study on the influence of digital illuminated billboards near pedestrian crossings. Transportation Research Part F: Traffic Psychology and Behaviour, 2018, 59, 45-56.	3.7	14
47	Public bus passenger safety evaluations in Ghana: A phenomenological constructivist exploration. Transportation Research Part F: Traffic Psychology and Behaviour, 2018, 58, 339-350.	3.7	12
48	Priority rule signalization under two visibility conditions: Driving simulator study on speed and lateral position. Transportation Research Part F: Traffic Psychology and Behaviour, 2018, 58, 156-166.	3.7	7
49	Road Safety Risk Assessment: An Analysis of Transport Policy and Management for Low-, Middle-, and High-Income Asian Countries. Sustainability, 2018, 10, 389.	3.2	40
50	The relation between reinforcement sensitivity and self-reported, simulated and on-road driving in older drivers. Transportation Research Part F: Traffic Psychology and Behaviour, 2018, 56, 466-476.	3.7	8
51	A fuzzy decision-support system in road safety planning. Proceedings of the Institution of Civil Engineers: Transport, 2017, 170, 305-317.	0.6	9
52	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.	3.7	21
53	The effect of pavement markings on driving behaviour in curves: a simulator study. Ergonomics, 2017, 60, 701-713.	2.1	46
54	Evaluating Speed Enforcement Field Set-Ups Used by Regional Police in Belgium: An Analysis of Speed Outcome Indicators. Safety, 2017, 3, 1.	1.7	9

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55	Road Safety Risk Evaluation Using GIS-Based Data Envelopment Analysisâ€"Artificial Neural Networks Approach. Applied Sciences (Switzerland), 2017, 7, 886.	2.5	28
56	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.	3.7	33
57	Investigating risky, distracting, and protective peer passenger effects in a dual process framework. Accident Analysis and Prevention, 2016, 93, 217-225.	5.7	33
58	Is there a spillover effect of a right turn on red permission for bicyclists?. Transportation Research Part F: Traffic Psychology and Behaviour, 2016, 36, 35-45.	3.7	1
59	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.	5.7	16
60	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.	4.9	14
61	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.	3.7	27
62	Bootstrapping DEA Scores for Road Safety Strategic Analysis in Brazil. International Journal of Computational Intelligence Systems, 2015, 8, 29.	2.7	6
63	Crash Patterns at Signalized Intersections. Transportation Research Record, 2015, 2514, 105-116.	1.9	23
64	Traffic fatality indicators in Brazil: State diagnosis based on data envelopment analysis research. Accident Analysis and Prevention, 2015, 81, 61-73.	5.7	34
65	Driversâ€™ behavioral responses to combined speed and red light cameras. Accident Analysis and Prevention, 2015, 81, 153-166.	5.7	34
66	Serious Injuries: An Additional Indicator to Fatalities for Road Safety Benchmarking. Traffic Injury Prevention, 2015, 16, 246-253.	1.4	21
67	Does attention capacity moderate the effect of driver distraction in older drivers?. Accident Analysis and Prevention, 2015, 77, 12-20.	5.7	45
68	Inter-national benchmarking of road safety: State of the art. Transportation Research Part C: Emerging Technologies, 2015, 50, 37-50.	7.6	32
69	The Relation Between Cognitive Control and Risky Driving in Young Novice Drivers. Applied Neuropsychology Adult, 2015, 22, 61-72.	1.2	60
70	Identifying Crash Patterns on Roundabouts. Traffic Injury Prevention, 2015, 16, 202-207.	1.4	30
71	Application of Geographically Weighted Regression Technique in Spatial Analysis of Fatal and Injury Crashes. Journal of Transportation Engineering, 2014, 140, .	0.9	65
72	Assessing the Overall Driving Performance of Older Drivers. , 2014, , .		0

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73	Assessing Road Safety Performance by Data Envelopment Analysis--The Case of Brazil. , 2014, , .		0
74	Safety effects of reducing the speed limit from 90km/h to 70km/h. Accident Analysis and Prevention, 2014, 62, 426-431.	5.7	58
75	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.	5.7	83
76	An evaluation of the traffic safety effect of fixed speed cameras. Safety Science, 2014, 62, 168-174.	4.9	53
77	Evaluating the effectiveness of a post-license education program for young novice drivers in Belgium. Accident Analysis and Prevention, 2014, 66, 62-71.	5.7	23
78	Does the effect of traffic calming measures endure over time? â€" A simulator study on the influence of gates. Transportation Research Part F: Traffic Psychology and Behaviour, 2014, 22, 63-75.	3.7	24
79	Behavioural effects of fixed speed cameras on motorways: Overall improved speed compliance or kangaroo jumps?. Accident Analysis and Prevention, 2014, 73, 132-140.	5.7	42
80	Psychological determinants of motorcycle helmet use among young adults in Cambodia. Transportation Research Part F: Traffic Psychology and Behaviour, 2014, 26, 273-290.	3.7	27
81	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.	5.7	23
82	Assessing the road safety impacts of a teleworking policy by means of geographically weighted regression method. Journal of Transport Geography, 2014, 39, 96-110.	5.0	38
83	To brake or to accelerate? Safety effects of combined speed and red light cameras. Journal of Safety Research, 2014, 50, 59-65.	3.6	13
84	Safety effects of an extensive black spot treatment programme in Flanders-Belgium. Accident Analysis and Prevention, 2014, 66, 72-79.	5.7	13
85	Automated section speed control on motorways: An evaluation of the effect on driving speed. Accident Analysis and Prevention, 2014, 73, 313-322.	5.7	25
86	Combining Driving Performance Information in an Index Score. Transportation Research Record, 2014, 2434, 44-51.	1.9	3
87	Investigating Individual Driver Performance: Applying DEA on Simulator Data. Advances in Intelligent Systems and Computing, 2014, , 623-635.	0.6	0
88	Data Envelopment Analysis for Composite Indicators: A Multiple Layer Model. Social Indicators Research, 2013, 114, 739-756.	2.7	54
89	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.	5.7	47
90	Road safety development in Europe: A decade of changes (2001â€"2010). Accident Analysis and Prevention, 2013, 60, 85-94.	5.7	33

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91	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.	5.7	28
92	Road Safety Differences between Priority-Controlled Intersections and Right-Hand Priority Intersections. Transportation Research Record, 2013, 2365, 39-48.	1.9	31
93	Application of Different Exposure Measures in Development of Planning-Level Zonal Crash Prediction Models. Transportation Research Record, 2012, 2280, 145-153.	1.9	23
94	Road safety risk evaluation and target setting using data envelopment analysis and its extensions. Accident Analysis and Prevention, 2012, 48, 430-441.	5.7	100
95	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.	3.7	24
96	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
97	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.	7.6	67
98	Modeling qualitative data in data envelopment analysis for composite indicators. International Journal of Systems Assurance Engineering and Management, 2011, 2, 21-30.	2.4	28
99	Extended prediction models for crashes at roundabouts. Safety Science, 2011, 49, 198-207.	4.9	38
100	Evaluating Trauma Management Performance in Europe: A Multiple-Layer Data Envelopment Analysis Model. Transportation Research Record, 2010, 2148, 69-75.	1.9	10
101	Externality of risk and crash severity at roundabouts. Accident Analysis and Prevention, 2010, 42, 1966-1973.	5.7	53
102	A hybrid system of neural networks and rough sets for road safety performance indicators. Soft Computing, 2010, 14, 1255-1263.	3.6	19
103	Official reporting and newspaper coverage of road crashes: A case study. Safety Science, 2010, 48, 1469-1476.	4.9	10
104	Additional road markings as an indication of speed limits: Results of a field experiment and a driving simulator study. Accident Analysis and Prevention, 2010, 42, 953-960.	5.7	29
105	Explaining variation in safety performance of roundabouts. Accident Analysis and Prevention, 2010, 42, 393-402.	5.7	88
106	Identifying Hazardous Road Locations: Hot Spots versus Hot Zones. Lecture Notes in Computer Science, 2009, , 288-300.	1.3	18
107	An evaluation of graduated driver licensing programs in North America using a meta-analytic approach. Accident Analysis and Prevention, 2009, 41, 1104-1111.	5.7	65
108	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.	3.6	57

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109	Benchmarking road safety: Lessons to learn from a data envelopment analysis. Accident Analysis and Prevention, 2009, 41, 174-182.	5.7	117
110	Studying the effect of weather conditions on daily crash counts using a discrete time-series model. Accident Analysis and Prevention, 2008, 40, 1180-1190.	5.7	171
111	EVALUATION OF ROAD SAFETY PERFORMANCE INDICATORS USING OWA OPERATORS. , 2008, , .		6
112	Driving with intelligent speed adaptation: Final results of the Belgian ISA-trial. Transportation Research, Part A: Policy and Practice, 2007, 41, 267-279.	4.2	44
113	Integrating Bayesian networks and decision trees in a sequential rule-based transportation model. European Journal of Operational Research, 2006, 175, 16-34.	5.7	76
114	Role of Exposure in Analysis of Road Accidents: A Belgian Case Study. Transportation Research Record, 2005, 1908, 96-103.	1.9	8
115	Identification and Ranking of Black Spots: Sensitivity Analysis. Transportation Research Record, 2004, 1897, 34-42.	1.9	45
116	Building an Association Rules Framework to Improve Product Assortment Decisions. Data Mining and Knowledge Discovery, 2004, 8, 7-23.	3.7	63
117	Improving Performance of Multiagent Rule-Based Model for Activity Pattern Decisions with Bayesian Networks. Transportation Research Record, 2004, 1894, 75-83.	1.9	30
118	Comparing complete and partial classification for identifying customers at risk. International Journal of Research in Marketing, 2003, 20, 117-131.	4.2	31
119	Profiling of High-Frequency Accident Locations by Use of Association Rules. Transportation Research Record, 2003, 1840, 123-130.	1.9	62