

# Bruce Hellinga

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

1,265  
citations

623699

14  
h-index

552766

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

799  
citing authors

#	ARTICLE	IF	CITATIONS
1	A methodology to estimate the number of unsafe vehicle-cyclist passing events on urban arterials. <i>Accident Analysis and Prevention</i> , 2019, 124, 92-103.	5.7	6
2	Evaluation of the Passing Behavior of Motorized Vehicles When Overtaking Bicycles on Urban Arterial Roadways. <i>Transportation Research Record</i> , 2015, 2520, 8-17.	1.9	28
3	Real-Time Prediction of Arterial Roadway Travel Times Using Data Collected by Bluetooth Detectors. <i>Transportation Research Record</i> , 2014, 2442, 117-128.	1.9	6
4	Algorithm for Detecting Outliers in Bluetooth Data in Real Time. <i>Transportation Research Record</i> , 2014, 2442, 129-139.	1.9	7
5	Quantifying Measurement Error in Arterial Travel Times Measured by Bluetooth Detectors. <i>Transportation Research Record</i> , 2013, 2395, 111-122.	1.9	20
6	Evaluating the Performance of Algorithms for the Detection of Travel Time Outliers. <i>Transportation Research Record</i> , 2013, 2338, 67-77.	1.9	12
7	Distribution of Delay in Signalized Intersections: Day-to-Day Variability in Peak-Hour Volumes. <i>Journal of Transportation Engineering</i> , 2012, 138, 1123-1132.	0.9	6
8	Sensitivity of a real-time freeway crash prediction model to calibration optimality. <i>European Transport Research Review</i> , 2012, 4, 167-174.	4.8	1
9	Automated Quality Assurance Methodology for Archived Transit Data from Automatic Vehicle Location and Passenger Counting Systems. <i>Transportation Research Record</i> , 2011, 2256, 130-141.	1.9	3
10	Predicting the Mean and Variance of Transit Segment and Route Travel Times. <i>Transportation Research Record</i> , 2011, 2217, 30-37.	1.9	8
11	Impact of Driver Compliance on the Safety and Operational Impacts of Freeway Variable Speed Limit Systems. <i>Journal of Transportation Engineering</i> , 2011, 137, 260-268.	0.9	72
12	Anxiety-Based Formulation to Estimate Generalized Cost of Transit Travel Time. <i>Transportation Research Record</i> , 2010, 2143, 108-116.	1.9	4
13	Identifying Causes of Performance Issues in Bus Schedule Adherence with Automatic Vehicle Location and Passenger Count Data. <i>Transportation Research Record</i> , 2010, 2143, 9-15.	1.9	28
14	Safety Implications of Mandated Truck Speed Limiters on Freeways. <i>Transportation Research Record</i> , 2009, 2096, 65-75.	1.9	6
15	Quantifying Impacts of Transit Reliability on User Costs. <i>Transportation Research Record</i> , 2009, 2112, 136-141.	1.9	19
16	Signalized Intersection Analysis and Design: Implications of Day-to-Day Variability in Peak-Hour Volumes on Delay. <i>Journal of Transportation Engineering</i> , 2008, 134, 307-318.	0.9	16
17	Variable Speed Limits: Safety and Operational Impacts of a Candidate Control Strategy for Freeway Applications. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2007, 8, 671-680.	8.0	120
18	Quantifying effects of ramp metering on freeway safety. <i>Accident Analysis and Prevention</i> , 2006, 38, 279-288.	5.7	72

#	ARTICLE	IF	CITATIONS
19	Evaluation of variable speed limits to improve traffic safety. Transportation Research Part C: Emerging Technologies, 2006, 14, 213-228.	7.6	203
20	Assessing Safety Benefits of Variable Speed Limits. Transportation Research Record, 2004, 1897, 183-190.	1.9	66
21	Proactive freeway crash prevention using real-time traffic control. Canadian Journal of Civil Engineering, 2003, 30, 1034-1041.	1.3	35
22	Application of System Dynamics in Car-Following Models. Journal of Transportation Engineering, 2003, 129, 625-634.	0.9	13
23	Real-Time Crash Prediction Model for Application to Crash Prevention in Freeway Traffic. Transportation Research Record, 2003, 1840, 67-77.	1.9	221
24	Analysis of Crash Precursors on Instrumented Freeways. Transportation Research Record, 2002, 1784, 1-8.	1.9	198
25	Delay Variability at Signalized Intersections. Transportation Research Record, 2000, 1710, 215-221.	1.9	52
26	Assessing Expected Accuracy of Probe Vehicle Travel Time Reports. Journal of Transportation Engineering, 1999, 125, 524-530.	0.9	43