

# Babak Mehran

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

312  
citations

933447

10  
h-index

888059

17  
g-index

26  
all docs

26  
docs citations

26  
times ranked

286  
citing authors

#	ARTICLE	IF	CITATIONS
1	Implementing kinematic wave theory to reconstruct vehicle trajectories from fixed and probe sensor data. <i>Transportation Research Part C: Emerging Technologies</i> , 2012, 20, 144-163.	7.6	69
2	Geo-spatial site suitability analysis for development of health care units in rural India: Effects on habitation accessibility, facility utilization and zonal equity in facility distribution. <i>Journal of Transport Geography</i> , 2019, 78, 135-149.	5.0	42
3	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
4	Fusion of probe and fixed sensor data for short-term traffic prediction in urban signalized arterials. <i>International Journal of Urban Sciences</i> , 2013, 17, 163-183.	2.8	23
5	Modeling free-flow speed variations under adverse road-weather conditions: Case of cold region highways. <i>Case Studies on Transport Policy</i> , 2020, 8, 22-30.	2.5	20
6	Analytical models for comparing operational costs of regular bus and semi-flexible transit services. <i>Public Transport</i> , 2020, 12, 147-169.	2.7	17
7	Assessment of delivery models for semi-flexible transit operation in low-demand conditions. <i>Transport Policy</i> , 2020, 99, 275-287.	6.6	15
8	CONSIDERING TRAVEL TIME RELIABILITY AND SAFETY FOR EVALUATION OF CONGESTION RELIEF SCHEMES ON EXPRESSWAY SEGMENTS. <i>IATSS Research</i> , 2009, 33, 55-70.	3.4	14
9	Statistical Investigations of Snowfall and Temperature Interaction with Passenger Car and Truck Traffic on Primary Highways in Canada. <i>Journal of Cold Regions Engineering - ASCE</i> , 2016, 30, .	1.1	14
10	Implementing Travel Time Reliability for Evaluation of Congestion Relief Schemes on Expressways. <i>Transportation Research Record</i> , 2009, 2124, 137-147.	1.9	13
11	Real-Time Estimation of Saturation flow Rates for Dynamic Traffic Signal Control using Connected-Vehicle Data. <i>Transportation Research Record</i> , 2015, 2487, 69-77.	1.9	8
12	A multi-country survey for collecting and analyzing facts related to road traffic safety: Legislation, enforcement, and education for safer drivers. <i>IATSS Research</i> , 2022, 46, 14-25.	3.4	8
13	Implementing Kinematic Wave Theory to Reconstruct Vehicle Trajectories from Fixed and Probe Sensor Data. <i>Procedia, Social and Behavioral Sciences</i> , 2011, 17, 247-268.	0.5	6
14	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
15	Case study scenarios in site selection of hazardous material facilities based on transportation preferences. <i>Journal of Modern Transportation</i> , 2019, 27, 317-333.	2.5	5
16	Spatial Planning Framework for Development of Rural Activity Centers: Method of Location Allocation, Effect on Trip Length, and Policy Implications. <i>Papers in Applied Geography</i> , 2021, 7, 372-391.	1.4	4
17	Statistical Investigation of Truck Type Distribution on Cold Region Highways During Winter Months. <i>KSCE Journal of Civil Engineering</i> , 2018, 22, 1394-1405.	1.9	3
18	Spatial data analysis approach for network-wide consolidation of bus stop locations. <i>Public Transport</i> , 2021, 13, 375-394.	2.7	3

#	ARTICLE	IF	CITATIONS
19	Modelling speed behaviour in rural highways: Safety analysis of driving under adverse road-weather conditions. PLoS ONE, 2021, 16, e0256322.	2.5	3
20	Traffic safety culture of drivers in Canada: Implications for new traffic law implementation to enhance traffic safety. IATSS Research, 2022, 46, 82-92.	3.4	3
21	Investigation of the factors affecting the consistency of short-period traffic counts. Journal of Modern Transportation, 2017, 25, 150-162.	2.5	2
22	Performance Comparison of Mode Choice Optimization Algorithm with Simulated Discrete Choice Modeling. Modelling and Simulation in Engineering, 2018, 2018, 1-38.	0.7	2
23	Appraisal of Temporal Transferability of Cold Region Winter Weather Traffic Models for Major Highway Segments in Alberta Canada. Geosciences (Switzerland), 2019, 9, 137.	2.2	2
24	APPLICATION OF TRAVEL TIME RELIABILITY FOR PERFORMANCE ORIENTED OPERATIONAL PLANNING OF EXPRESSWAYS. Journal of Japan Society of Civil Engineers Ser D3 (Infrastructure Planning and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 53		
25	Investigating Combined Impact of Adverse Road-Weather Conditions and Heavy Vehicles on Saturation Headway. Transportation Research Record, 0, , 036119812210893.	1.9	1
26	Salt Gradation Analysis for Winter Road Maintenance. Civil Engineering Journal (Iran), 2020, 6, 1670-1683.	3.9	0