Afshin Shariat Mohaymany

List of Publications by Citations

46 papers	809 citations	16 h-index	27 g-index
50 ext. papers	952 ext. citations	2.9 avg, IF	4.65 L-index

#	Paper	IF	Citations
46	Analysis of the traffic injury severity on two-lane, two-way rural roads based on classification tree models. *Safety Science*, **2011**, 49, 1314-1320	5.8	134
45	Transportation network vulnerability analysis for the case of a catastrophic earthquake. *International Journal of Disaster Risk Reduction*, **2015**, 12, 234-254	4.5	71
44	GIS-based method for detecting high-crash-risk road segments using network kernel density estimation. *Geo-Spatial Information Science*, **2013**, 16, 113-119	3.5	52
43	Multimodal Feeder Network Design Problem: Ant Colony Optimization Approach. *Journal of Transportation Engineering*, **2010**, 136, 323-331		46
42	Multi-objective path finding in stochastic time-dependent road networks using non-dominated sorting genetic algorithm. *Expert Systems With Applications*, **2015**, 42, 5056-5064	7.8	36
41	Analysis of factors associated with traffic injury severity on rural roads in Iran. *Journal of Injury and Violence Research*, **2012**, 4, 36-41	1.7	30
40	Aberrant Driving Behaviour, Risk Involvement, and Their Related Factors Among Taxi Drivers. *International Journal of Environmental Research and Public Health*, **2018**, 15,	4.6	29
39	Linear upper-bound unavailability set covering models for locating ambulances: Application to Tehran rural roads. *European Journal of Operational Research*, **2012**, 221, 263-272	5.6	28
38	Emergency transportation network design problem: Identification and evaluation of disaster response routes. *International Journal of Disaster Risk Reduction*, **2018**, 27, 7-20	4.5	27
37	The role of parental risk judgements, transport safety attitudes, transport priorities and accident experiences on pupilsʊwalking to school. *Accident Analysis and Prevention*, **2017**, 102, 60-71	6.1	25
36	A new methodology for vehicle trajectory reconstruction based on wavelet analysis. *Transportation Research Part C: Emerging Technologies*, **2017**, 74, 150-167	8.4	25
35	Identifying significant predictors of head-on conflicts on two-lane rural roads using inductive loop detectors data. *Traffic Injury Prevention*, **2011**, 12, 636-41	1.8	25
34	Designing large-scale bus network with seasonal variations of demand. *Transportation Research Part C: Emerging Technologies*, **2014**, 48, 322-338	8.4	23
33	Accident involvement among Iranian lorry drivers: Direct and indirect effects of background variables and aberrant driving behaviour. *Transportation Research Part F: Traffic Psychology and Behaviour*, **2018**, 58, 39-55	4.5	22
32	Driver behaviour and crash involvement among professional taxi and truck drivers: Light passenger cars versus heavy goods vehicles. *Transportation Research Part F: Traffic Psychology and Behaviour*, **2019**, 62, 86-98	4.5	22
31	Exploring Spatial Non-Stationarity and Varying Relationships between Crash Data and Related Factors Using Geographically Weighted Poisson Regression. *Transactions in GIS*, **2015**, 19, 321-337	2.1	18
30	Hybrid Method for Bus Network Design with High Seasonal Demand Variation. *Journal of Transportation Engineering*, **2014**, 140, 04014015		16

29	Analogy of fixed route shared taxi (taxi khattee) and bus services under various demand density and economical conditions. *Journal of Advanced Transportation*, **2012**, 46, 177-187	1.9	15
28	Identifying driver characteristics influencing overtaking crashes. *Traffic Injury Prevention*, **2010**, 11, 411-6.	1.8	15
27	Detecting the spatial‑temporal autocorrelation among crash frequencies in urban areas. *Canadian Journal of Civil Engineering*, **2013**, 40, 195-203	1.3	14
26	Intelligent Transportation System User Service Selection and Prioritization: Hybrid Model of Disjunctive Satisfying Method and Analytic Network Process. *Transportation Research Record*, **2010**, 2189, 45-55	1.7	12
25	Optimal Modification of Urban Bus Network Routes Using a Genetic Algorithm. *Journal of Transportation Engineering*, **2015**, 141, 04014081		11
24	AN APPROXIMATE RELIABILITY EVALUATION METHOD FOR IMPROVING TRANSPORTATION NETWORK PERFORMANCE. *Transport*, **2010**, 25, 193-202	1.4	11
23	A copula-based estimation of distribution algorithm for calibration of microscopic traffic models. *Transportation Research Part C: Emerging Technologies*, **2019**, 98, 449-470	8.4	11
22	The impact of irregular headways on seat availability. *Transportmetrica A: Transport Science*, **2014**, 10, 483-501	2.5	10
21	Estimation of travel time reliability in large-scale networks. *Transportation Letters*, **2016**, 8, 229-240	2.1	9
20	Economic conditions for minibus usage in a multimodal feeder network. *Transportation Planning and Technology*, **2011**, 34, 839-856	1.6	9
19	Copula-Based Joint Discrete‑Continuous Model of Road Vehicle Type and Shipment Size. *Transportation Research Record*, **2017**, 2610, 87-96	1.7	8
18	An Algorithm for the Analytic Network Process (ANP) Structure Design. *Journal of Multi-Criteria Decision Analysis*, **2012**, 19, 33-55	1.9	7
17	Development of Head-On Conflict Model for Overtaking Maneuvers on Two-Lane Rural Roads Using Inductive Loop Detectors. *Journal of Transportation Safety and Security*, **2013**, 5, 273-284	1.7	7
16	Reliable vehicle routing problem in stochastic networks with correlated travel times. *Operational Research*, **2021**, 21, 299-330	1.6	6
15	Crash Prediction Modeling Using a Spatial Semi-Local Model: A Case Study of Mashhad, Iran. *Applied Spatial Analysis and Policy*, **2017**, 10, 565-584	1.7	5
14	Critical routes determination for emergency transportation network aftermath earthquake **2007**,		5
13	Day-to-day travel time perception modeling using an adaptive-network-based fuzzy inference system (ANFIS). *EURO Journal on Transportation and Logistics*, **2016**, 5, 25-52	2.4	4
12	Application Of Imperialist Competitive Algorithm To The Emergency Medical Services Location Problem. *International Journal of Artificial Intelligence & Applications*, **2011**, 2, 137-147	0.5	4

11	Designing Large-Scale Disaster Response Routes Network in Mitigating Earthquake Risk Using a Multi-Objective Stochastic Approach. *KSCE Journal of Civil Engineering*, **2020**, 24, 3050-3063	1.9	4
10	Evaluating interregional freight accessibility conditions through the combination of centrality and reliability measures. *Journal of Transport Geography*, **2020**, 83, 102665	5.2	3
9	Evaluation of overtaking manoeuvres on two-lane rural roads. *Proceedings of the Institution of Civil Engineers: Transport*, **2015**, 168, 523-531	0.5	3
8	Transit Network Design: The Necessity of Elastic Demand Consideration. *Applied Mechanics and Materials*, **2011**, 97-98, 1117-1122	0.3	3
7	A Reliability-Based Resource Allocation Model for Transportation Networks Affected by Natural Disasters. *Promet - Traffic - Traffico*, **2012**, 24, 505-513	1.2	3
6	Travel Time Reliability Measures Accommodating Scheduling Preferences of Travelers. *Transportation Research Record*, **2019**, 2673, 708-721	1.7	0
5	Incorporating Instantaneous Reaction Delay in Car-Following Models: A Hybrid Approach. *Transportation Research Record*,036119812110152	1.7	0
4	Designing a multimodal feeder network by covering stops with different modes. *Canadian Journal of Civil Engineering*, **2014**, 41, 87-96	1.3	
3	Upgrading of Degradable Transportation Network by Investment Prioritization in Resource Allocation. *Journal of Applied Sciences*, **2008**, 8, 2404-2411	0.3	
2	Evaluating the impact of new congestion charging scheme using smartphone-based data: a spatial change detection study. *Canadian Journal of Civil Engineering*, **2020**, 47, 1105-1115	1.3	
1	How is freight distribution affected by travel time unreliability?. *Transportation Research Procedia*, **2022**, 62, 147-154	2.4	