Khaled Shaaban

List of Publications by Citations

91 papers	842 citations	18 h-index	24 g-index
119 ext. papers	1,194 ext. citations	2 avg, IF	5.65 L-index

#	Paper	IF	Citations
91	Analysis of illegal pedestrian crossing behavior on a major divided arterial road. *Transportation Research Part F: Traffic Psychology and Behaviour*, **2018**, 54, 124-137	4.5	45
90	Use of Drivers Jerk Profiles in Computer Vision Based Traffic Safety Evaluations. *Transportation Research Record*, **2014**, 2434, 103-112	1.7	43
89	The influence of bus service satisfaction on university students' mode choice. *Journal of Advanced Transportation*, **2016**, 50, 935-948	1.9	30
88	Classification tree analysis of factors affecting parking choices in Qatar. *Case Studies on Transport Policy*, **2016**, 4, 88-95	2.7	29
87	Modeling significant factors affecting commuters perspectives and propensity to use the new proposed metro service in Doha. *Canadian Journal of Civil Engineering*, **2014**, 41, 1054-1064	1.3	29
86	Investigating Driver Behavior at Minor-Street Stop-Controlled Intersections in Qatar. *Transportation Research Record*, **2017**, 2663, 109-116	1.7	28
85	Why Don People Ride Bicycles in High-Income Developing Countries, and Can Bike-Sharing Be the Solution? The Case of Qatar. *Sustainability*, **2020**, 12, 1693	3.6	28
84	Characteristics and mitigation strategies for cell phone use while driving among young drivers in Qatar. *Journal of Transport and Health*, **2018**, 8, 6-14	3	27
83	Assessing Sidewalk and Corridor Walkability in Developing Countries. *Sustainability*, **2019**, 11, 3865	3.6	26
82	Evaluation of red-light camera enforcement using traffic violations. *Journal of Traffic and Transportation Engineering (English Edition)*, **2018**, 5, 66-72	3.9	25
81	Investigating the Customer Satisfaction of the Bus Service in Qatar. *Procedia, Social and Behavioral Sciences*, **2013**, 104, 865-874		23
80	Assessing the impact of converting roundabouts to traffic signals on vehicle emissions along an urban arterial corridor in Qatar. *Journal of the Air and Waste Management Association*, **2019**, 69, 178-191	2.4	23
79	Temporal variation in walking behavior: An empirical study. *Case Studies on Transport Policy*, **2017**, 5, 671-680	2.7	22
78	Assessment of the taxi service in Doha. *Transportation Research, Part A: Policy and Practice*, **2016**, 88, 223-235	3.7	22
77	Assessment of Drivers Perceptions of Various Police Enforcement Strategies and Associated Penalties and Rewards. *Journal of Advanced Transportation*, **2017**, 2017, 1-14	1.9	20
76	Investigation of Weather Impacts on Pedestrian Volumes. *Transportation Research Procedia*, **2016**, 14, 115-122	2.4	19
75	Investigating in-vehicle distracting activities and crash risks for young drivers using structural equation modeling. *PLoS ONE*, **2020**, 15, e0235325	3.7	18

74	Comparison of SimTraffic and VISSIM Microscopic Traffic Simulation Tools in Modeling Roundabouts. *Procedia Computer Science*, **2015**, 52, 43-50	1.6	18
73	Evaluating the effect of seasonal variations on walking behaviour in a hot weather country using logistic regression. *International Journal of Urban Sciences*, **2018**, 22, 382-391	2.2	18
72	Estimating Turning Movements at Signalized Intersections Using Artificial Neural Networks. *IEEE Transactions on Intelligent Transportation Systems*, **2019**, 20, 1828-1836	6.1	15
71	Self-Report and Observational Assessment and Investigation of Seat Belt Use Among Young Drivers and Passengers: The Case of Qatar. *Arabian Journal for Science and Engineering*, **2019**, 44, 4441-4451	2.5	15
70	Comparison of Time-Proximity and Evasive Action Conflict Measures: Case Studies from Five Cities. *Transportation Research Record*, **2017**, 2661, 19-29	1.7	15
69	Smart Tracking System for School Buses Using Passive RFID Technology to Enhance Child Safety. *Journal of Traffic and Logistics Engineering*, **2013**, 1, 191-196	1.5	14
68	The Implications of Converting a High-Volume Multilane Roundabout into a Turbo Roundabout. *Journal of Advanced Transportation*, **2020**, 2020, 1-12	1.9	13
67	Rebuilding the Transportation System in the City of Doha. *Journal of Traffic and Logistics Engineering*, **2014**, 2,	1.5	13
66	Underage driving and seat-belt use of high school teenagers in Qatar. *Journal of Transportation Safety and Security*, **2017**, 9, 115-129	1.7	12
65	Assessing Walking and Cycling around Schools. *Sustainability*, **2020**, 12, 10607	3.6	12
64	Investigating Cell Phone Use While Driving in Qatar. *Procedia, Social and Behavioral Sciences*, **2013**, 104, 1058-1067		12
63	Evaluation of Transit Signal Priority Implementation for Bus Transit along a Major Arterial Using Microsimulation. *Procedia Computer Science*, **2018**, 130, 82-89	1.6	12
62	A Strategy for Emergency Vehicle Preemption and Route Selection. *Arabian Journal for Science and Engineering*, **2019**, 44, 8905-8913	2.5	11
61	Drivers Perceptions of Smartphone Applications for Real-Time Route Planning and Distracted Driving Prevention. *Journal of Advanced Transportation*, **2019**, 2019, 1-10	1.9	11
60	Literature Review of Advancements in Adaptive Ramp Metering. *Procedia Computer Science*, **2016**, 83, 203-211	1.6	11
59	A Case Study for Surrogate Safety Assessment Model in Predicting Real-Life Conflicts. *Arabian Journal for Science and Engineering*, **2019**, 44, 4225-4231	2.5	10
58	Understanding the association between cell phone use while driving and seat belt noncompliance in Qatar using logit models. *Journal of Transportation Safety and Security*, **2020**, 12, 292-308	1.7	10
57	Severity analysis of red-light-running-related crashes using structural equation modeling. *Journal of Transportation Safety and Security*, **2021**, 13, 278-297	1.7	9

56	Automated Analysis and Validation of Right-Turn Merging Behavior. *Journal of Transportation Safety and Security*, **2015**, 7, 138-152	1.7	8
55	Using the theory of planned behavior to predict the use of an upcoming public transportation service in Qatar. *Case Studies on Transport Policy*, **2020**, 8, 484-491	2.7	8
54	Group Gap Acceptance: A New Method to Analyze Driver Behavior and Estimate the Critical Gap at Multilane Roundabouts. *Journal of Advanced Transportation*, **2018**, 2018, 1-9	1.9	8
53	A simple method to assess walkability around metro stations. *International Journal of Sustainable Society*, **2018**, 10, 1	0.6	7
52	Modeling pedestrian gap acceptance behavior at a six-lane urban road. *Journal of Transportation Safety and Security*, **2019**, 1-18	1.7	6
51	Investigating the reasons for choosing a major among the engineering students in Qatar **2016**,		5
50	Analysis of Pedestrian Crossing Speeds at Signalized Intersections in Qatar. *Arabian Journal for Science and Engineering*, **2019**, 44, 4467-4476	2.5	5
49	Professionals' perception towards using building information modelling (BIM) in the highway and infrastructure projects. *Journal of Evidence-Based Medicine*, **2015**, 5, 273	6.1	5
48	Traffic Safety at Road–Rail Level Crossings Using a Driving Simulator and Traffic Simulation. *Transportation Research Record*, **2015**, 2476, 109-118	1.7	5
47	Parking Space Detection System Using Video Images. *Transportation Research Record*, **2015**, 2537, 137-147	1.7	5
46	A new framework for addressing high-level decisions related to sustainable transportation development. *International Journal of Sustainable Transportation*, **2020**, 14, 843-859	3.6	5
45	Modeling the Impact of Weather Conditions on Pedestrian Injury Counts Using LASSO-Based Poisson Model. *Arabian Journal for Science and Engineering*, **2021**, 46, 4719-4730	2.5	5
44	Using Pavements to Generate Electricity. *Procedia Computer Science*, **2019**, 151, 124-131	1.6	4
43	Critical Gap Comparison between One-, Two-, and Three-Lane Roundabouts in Qatar. *Sustainability*, **2020**, 12, 4232	3.6	4
42	Development of prediction models of transportation noise for roundabouts and signalized intersections. *Transportation Research, Part D: Transport and Environment*, **2022**, 103, 103174	6.4	4
41	Pedestrian Attribute Analysis Using Agent-Based Modeling. *Applied Sciences (Switzerland)*, **2020**, 10, 4882	2.6	4
40	Do detection-based warning strategies improve vehicle yielding behavior at uncontrolled midblock crosswalks?. *Accident Analysis and Prevention*, **2021**, 157, 106166	6.1	4
39	Development, Validation, and Application of School Audit Tool (SAT): An Effective Instrument for Assessing Traffic Safety and Operation around Schools. *Sustainability*, **2019**, 11, 6438	3.6	4

38	Analysis of Traffic Crashes and Violations in a Developing Country. *Transportation Research Procedia* , **2021**, 55, 1689-1695	2.4	4
37	Driver Behaviors at Level Crossings from Fixed and Moving Driving Simulators. *Procedia Computer Science*, **2018**, 130, 103-110	1.6	4
36	Reveal the hidden layer via entity embedding in traffic prediction. *Procedia Computer Science*, **2019**, 151, 163-170	1.6	3
35	An inclusive framework for automatic safety evaluation of roundabouts. *Journal of Transportation Safety and Security*, **2016**, 8, 377-394	1.7	3
34	Belief in Fate and Self-Efficacy in Road Safety Advertising Based on Guilt: An Explanation Based on Negotiable Fate. *Australasian Marketing Journal*, **2019**, 27, 233-241	5	3
33	Agent-based Modeling of Pedestrian Behavior at an Unmarked Midblock Crossing. *Procedia Computer Science*, **2017**, 109, 26-33	1.6	3
32	Comparative Study of Road Traffic Rules in Qatar Compared to Western Countries. *Procedia, Social and Behavioral Sciences*, **2012**, 48, 992-999		3
31	Proposed Policies to Support the New Metro System in Qatar. *Procedia, Social and Behavioral Sciences*, **2012**, 48, 2315-2324		3
30	Evaluation of Work Zone Strategies at Signalized Intersections. *Journal of Traffic and Logistics Engineering*, **2013**, 1, 202-206	1.5	3
29	Who Is Going to Ride the Upcoming Metro in Qatar?. *Advances in Intelligent Systems and Computing*, **2019**, 671-675	0.4	3
28	Impact of College Provided Transportation on the Absenteeism and Academic Performance of Engineering Students. *Eurasia Journal of Mathematics, Science and Technology Education*, **2021**, 17, em1944	1.6	3
27	An Artificial Intelligence Approach to Estimate Travel Time along Public Transportation Bus Lines **2020**,		2
26	An Investigation of Traffic Noise Levels Around a Major Hospital in Qatar. *Advances in Intelligent Systems and Computing*, **2020**, 354-360	0.4	2
25	Queue Discharge at Freeway On-Ramps Using Coordinated Operation of a Ramp Meter and an Upstream Traffic Signal. *Procedia Computer Science*, **2020**, 170, 347-353	1.6	2
24	Measuring users satisfaction of the road network using structural equation modeling. *International Journal of Sustainable Transportation*,1-12	3.6	2
23	Revealing the hidden features in traffic prediction via entity embedding. *Personal and Ubiquitous Computing*, **2021**, 25, 21-31	2.1	2
22	Assessment of Traffic Noise Near Schools in a Developing Country. *Transportation Research Procedia*, **2021**, 55, 1202-1207	2.4	2
21	Effect of vehicle safety recalls on the perception towards other vehicles from the same country of origin. *Journal of Traffic and Transportation Engineering (English Edition)*, **2019**, 6, 493-503	3.9	1

20	Factors affecting the behavioral intention of tourists on the use of bike sharing in tourism areas. *Research in Transportation Business and Management*, **2021**, 100742	2.8	1
19	Practical teaching and its importance in teaching civil engineering **2013**,		1
18	Analysis and Identification of Contributing Factors of Traffic Crashes in New York City. *Transportation Research Procedia*, **2021**, 55, 1696-1703	2.4	1
17	An assessment tool to evaluate complete streets in developing countries: the case of Qatar. *International Journal of Sustainable Society*, **2018**, 10, 225	0.6	1
16	Visible light communication for intelligent transportation systems: A review of the latest technologies. *Journal of Traffic and Transportation Engineering (English Edition)*, **2021**, 8, 483-492	3.9	1
15	Determinants of memorable sightseeing bus-tour experiences: identifying and evaluating destination related attributes. *Tourism and Hospitality Research*,146735842110382	2.2	1
14	Smart City Transportation System in Developing Countries: The Case of Lusail City, Qatar. *Lecture Notes in Networks and Systems*, **2021**, 445-452	0.5	1
13	Pedestrian Compliance at Signalized Intersections along Major Arterials. *Open Transportation Journal*, **2021**, 15, 210-216	0.7	0
12	Public Transportation Usage in a Hot Climate Developing Country. *Transportation Research Procedia* , **2021**, 55, 394-400	2.4	0
11	Intelligent Transportation Systems in a Developing Country: Benefits and Challenges of Implementation. *Transportation Research Procedia*, **2021**, 55, 1373-1380	2.4	0
10	Effectiveness of intrusive advising of engineering first-year students using tailored freshman seminars. *Eurasia Journal of Mathematics, Science and Technology Education*, **2022**, 18, em2106	1.6	0
9	Comparing Traffic Noise Levels between Signalized Intersections and Roundabouts in an Urban Environment. *Transportation Research Record*,036119812210882	1.7	0
8	A Survey on Awareness of Traffic Signs among Youth in Qatar. *Applied Mechanics and Materials*, **2014**, 587-589, 2133-2136	0.3	
7	Where Is Qatar from Complete Streets?. *Advances in Intelligent Systems and Computing*, **2019**, 684-694	0.4	
6	Exploring the suitability of a survey instrument to measure the walkability of streets in Doha **2016**, 157-160		
5	Impact of Experience and Training on Traffic Knowledge of Young Drivers. *Open Transportation Journal*, **2021**, 15, 61-68	0.7	
4	Measuring Cell Phone Use While Driving on Campus. *Lecture Notes in Networks and Systems*, **2021**, 114-118	0.5	
3	Safety of Roundabouts **2021**, 539-548		

List of Publications

2	Impact of Police Enforcement on Critical Gap at Roundabouts. *Transportation Research Procedia*, **2021**, 55, 387-393	2.4
1	Poor Air Quality Along the Wasatch Front During Inversions: Role of Road Transportation and Possible Solutions. *Lecture Notes in Networks and Systems*, **2021**, 422-428	0.5