

# Khaled Shaaban

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Development of prediction models of transportation noise for roundabouts and signalized intersections. <i>Transportation Research, Part D: Transport and Environment</i> , <b>2022</b> , 103, 103174	6.4	4
90	Effectiveness of intrusive advising of engineering first-year students using tailored freshman seminars. <i>Eurasia Journal of Mathematics, Science and Technology Education</i> , <b>2022</b> , 18, em2106	1.6	0
89	Factors affecting the behavioral intention of tourists on the use of bike sharing in tourism areas. <i>Research in Transportation Business and Management</i> , <b>2021</b> , 100742	2.8	1
88	Pedestrian Compliance at Signalized Intersections along Major Arterials. <i>Open Transportation Journal</i> , <b>2021</b> , 15, 210-216	0.7	0
87	Impact of Experience and Training on Traffic Knowledge of Young Drivers. <i>Open Transportation Journal</i> , <b>2021</b> , 15, 61-68	0.7	
86	Do detection-based warning strategies improve vehicle yielding behavior at uncontrolled midblock crosswalks?. <i>Accident Analysis and Prevention</i> , <b>2021</b> , 157, 106166	6.1	4
85	Modeling the Impact of Weather Conditions on Pedestrian Injury Counts Using LASSO-Based Poisson Model. <i>Arabian Journal for Science and Engineering</i> , <b>2021</b> , 46, 4719-4730	2.5	5
84	Revealing the hidden features in traffic prediction via entity embedding. <i>Personal and Ubiquitous Computing</i> , <b>2021</b> , 25, 21-31	2.1	2
83	Severity analysis of red-light-running-related crashes using structural equation modeling. <i>Journal of Transportation Safety and Security</i> , <b>2021</b> , 13, 278-297	1.7	9
82	Measuring Cell Phone Use While Driving on Campus. <i>Lecture Notes in Networks and Systems</i> , <b>2021</b> , 114-118		
81	Analysis and Identification of Contributing Factors of Traffic Crashes in New York City. <i>Transportation Research Procedia</i> , <b>2021</b> , 55, 1696-1703	2.4	1
80	Safety of Roundabouts <b>2021</b> , 539-548		
79	Analysis of Traffic Crashes and Violations in a Developing Country. <i>Transportation Research Procedia</i> , <b>2021</b> , 55, 1689-1695	2.4	4
78	Assessment of Traffic Noise Near Schools in a Developing Country. <i>Transportation Research Procedia</i> , <b>2021</b> , 55, 1202-1207	2.4	2
77	Impact of Police Enforcement on Critical Gap at Roundabouts. <i>Transportation Research Procedia</i> , <b>2021</b> , 55, 387-393	2.4	
76	Public Transportation Usage in a Hot Climate Developing Country. <i>Transportation Research Procedia</i> , <b>2021</b> , 55, 394-400	2.4	0
75	Impact of College Provided Transportation on the Absenteeism and Academic Performance of Engineering Students. <i>Eurasia Journal of Mathematics, Science and Technology Education</i> , <b>2021</b> , 17, em1944	1.6	3

74	Visible light communication for intelligent transportation systems: A review of the latest technologies. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , <b>2021</b> , 8, 483-492	3.9	1
73	Smart City Transportation System in Developing Countries: The Case of Lusail City, Qatar. <i>Lecture Notes in Networks and Systems</i> , <b>2021</b> , 445-452	0.5	1
72	Poor Air Quality Along the Wasatch Front During Inversions: Role of Road Transportation and Possible Solutions. <i>Lecture Notes in Networks and Systems</i> , <b>2021</b> , 422-428	0.5	
71	Intelligent Transportation Systems in a Developing Country: Benefits and Challenges of Implementation. <i>Transportation Research Procedia</i> , <b>2021</b> , 55, 1373-1380	2.4	0
70	Assessing Walking and Cycling around Schools. <i>Sustainability</i> , <b>2020</b> , 12, 10607	3.6	12
69	Critical Gap Comparison between One-, Two-, and Three-Lane Roundabouts in Qatar. <i>Sustainability</i> , <b>2020</b> , 12, 4232	3.6	4
68	Why Don't People Ride Bicycles in High-Income Developing Countries, and Can Bike-Sharing Be the Solution? The Case of Qatar. <i>Sustainability</i> , <b>2020</b> , 12, 1693	3.6	28
67	Investigating in-vehicle distracting activities and crash risks for young drivers using structural equation modeling. <i>PLoS ONE</i> , <b>2020</b> , 15, e0235325	3.7	18
66	The Implications of Converting a High-Volume Multilane Roundabout into a Turbo Roundabout. <i>Journal of Advanced Transportation</i> , <b>2020</b> , 2020, 1-12	1.9	13
65	An Artificial Intelligence Approach to Estimate Travel Time along Public Transportation Bus Lines <b>2020</b> ,		2
64	An Investigation of Traffic Noise Levels Around a Major Hospital in Qatar. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 354-360	0.4	2
63	Using the theory of planned behavior to predict the use of an upcoming public transportation service in Qatar. <i>Case Studies on Transport Policy</i> , <b>2020</b> , 8, 484-491	2.7	8
62	Queue Discharge at Freeway On-Ramps Using Coordinated Operation of a Ramp Meter and an Upstream Traffic Signal. <i>Procedia Computer Science</i> , <b>2020</b> , 170, 347-353	1.6	2
61	Pedestrian Attribute Analysis Using Agent-Based Modeling. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 4882.6		4
60	Understanding the association between cell phone use while driving and seat belt noncompliance in Qatar using logit models. <i>Journal of Transportation Safety and Security</i> , <b>2020</b> , 12, 292-308	1.7	10
59	A new framework for addressing high-level decisions related to sustainable transportation development. <i>International Journal of Sustainable Transportation</i> , <b>2020</b> , 14, 843-859	3.6	5
58	Using Pavements to Generate Electricity. <i>Procedia Computer Science</i> , <b>2019</b> , 151, 124-131	1.6	4
57	Reveal the hidden layer via entity embedding in traffic prediction. <i>Procedia Computer Science</i> , <b>2019</b> , 151, 163-170	1.6	3

56	A Strategy for Emergency Vehicle Preemption and Route Selection. <i>Arabian Journal for Science and Engineering</i> , <b>2019</b> , 44, 8905-8913	2.5	11
55	Drivers' Perceptions of Smartphone Applications for Real-Time Route Planning and Distracted Driving Prevention. <i>Journal of Advanced Transportation</i> , <b>2019</b> , 2019, 1-10	1.9	11
54	Effect of vehicle safety recalls on the perception towards other vehicles from the same country of origin. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , <b>2019</b> , 6, 493-503	3.9	1
53	Estimating Turning Movements at Signalized Intersections Using Artificial Neural Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2019</b> , 20, 1828-1836	6.1	15
52	Analysis of Pedestrian Crossing Speeds at Signalized Intersections in Qatar. <i>Arabian Journal for Science and Engineering</i> , <b>2019</b> , 44, 4467-4476	2.5	5
51	Self-Report and Observational Assessment and Investigation of Seat Belt Use Among Young Drivers and Passengers: The Case of Qatar. <i>Arabian Journal for Science and Engineering</i> , <b>2019</b> , 44, 4441-4451	2.5	15
50	Belief in Fate and Self-Efficacy in Road Safety Advertising Based on Guilt: An Explanation Based on Negotiable Fate. <i>Australasian Marketing Journal</i> , <b>2019</b> , 27, 233-241	5	3
49	Assessing Sidewalk and Corridor Walkability in Developing Countries. <i>Sustainability</i> , <b>2019</b> , 11, 3865	3.6	26
48	Where Is Qatar from Complete Streets?. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 684-694	0.4	
47	Who Is Going to Ride the Upcoming Metro in Qatar?. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 671-675	0.4	3
46	Development, Validation, and Application of School Audit Tool (SAT): An Effective Instrument for Assessing Traffic Safety and Operation around Schools. <i>Sustainability</i> , <b>2019</b> , 11, 6438	3.6	4
45	Modeling pedestrian gap acceptance behavior at a six-lane urban road. <i>Journal of Transportation Safety and Security</i> , <b>2019</b> , 1-18	1.7	6
44	Assessing the impact of converting roundabouts to traffic signals on vehicle emissions along an urban arterial corridor in Qatar. <i>Journal of the Air and Waste Management Association</i> , <b>2019</b> , 69, 178-191	2.4	23
43	A Case Study for Surrogate Safety Assessment Model in Predicting Real-Life Conflicts. <i>Arabian Journal for Science and Engineering</i> , <b>2019</b> , 44, 4225-4231	2.5	10
42	Characteristics and mitigation strategies for cell phone use while driving among young drivers in Qatar. <i>Journal of Transport and Health</i> , <b>2018</b> , 8, 6-14	3	27
41	Analysis of illegal pedestrian crossing behavior on a major divided arterial road. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , <b>2018</b> , 54, 124-137	4.5	45
40	Evaluation of red-light camera enforcement using traffic violations. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , <b>2018</b> , 5, 66-72	3.9	25
39	Evaluating the effect of seasonal variations on walking behaviour in a hot weather country using logistic regression. <i>International Journal of Urban Sciences</i> , <b>2018</b> , 22, 382-391	2.2	18

38	An assessment tool to evaluate complete streets in developing countries: the case of Qatar. <i>International Journal of Sustainable Society</i> , <b>2018</b> , 10, 225	0.6	1
37	Driver Behaviors at Level Crossings from Fixed and Moving Driving Simulators. <i>Procedia Computer Science</i> , <b>2018</b> , 130, 103-110	1.6	4
36	A simple method to assess walkability around metro stations. <i>International Journal of Sustainable Society</i> , <b>2018</b> , 10, 1	0.6	7
35	Evaluation of Transit Signal Priority Implementation for Bus Transit along a Major Arterial Using Microsimulation. <i>Procedia Computer Science</i> , <b>2018</b> , 130, 82-89	1.6	12
34	Group Gap Acceptance: A New Method to Analyze Driver Behavior and Estimate the Critical Gap at Multilane Roundabouts. <i>Journal of Advanced Transportation</i> , <b>2018</b> , 2018, 1-9	1.9	8
33	Underage driving and seat-belt use of high school teenagers in Qatar. <i>Journal of Transportation Safety and Security</i> , <b>2017</b> , 9, 115-129	1.7	12
32	Investigating Driver Behavior at Minor-Street Stop-Controlled Intersections in Qatar. <i>Transportation Research Record</i> , <b>2017</b> , 2663, 109-116	1.7	28
31	Comparison of Time-Proximity and Evasive Action Conflict Measures: Case Studies from Five Cities. <i>Transportation Research Record</i> , <b>2017</b> , 2661, 19-29	1.7	15
30	Temporal variation in walking behavior: An empirical study. <i>Case Studies on Transport Policy</i> , <b>2017</b> , 5, 671-680	2.7	22
29	Agent-based Modeling of Pedestrian Behavior at an Unmarked Midblock Crossing. <i>Procedia Computer Science</i> , <b>2017</b> , 109, 26-33	1.6	3
28	Assessment of Drivers' Perceptions of Various Police Enforcement Strategies and Associated Penalties and Rewards. <i>Journal of Advanced Transportation</i> , <b>2017</b> , 2017, 1-14	1.9	20
27	The influence of bus service satisfaction on university students' mode choice. <i>Journal of Advanced Transportation</i> , <b>2016</b> , 50, 935-948	1.9	30
26	Investigating the reasons for choosing a major among the engineering students in Qatar <b>2016</b> ,		5
25	An inclusive framework for automatic safety evaluation of roundabouts. <i>Journal of Transportation Safety and Security</i> , <b>2016</b> , 8, 377-394	1.7	3
24	Classification tree analysis of factors affecting parking choices in Qatar. <i>Case Studies on Transport Policy</i> , <b>2016</b> , 4, 88-95	2.7	29
23	Exploring the suitability of a survey instrument to measure the walkability of streets in Doha <b>2016</b> , 157-160		
22	Literature Review of Advancements in Adaptive Ramp Metering. <i>Procedia Computer Science</i> , <b>2016</b> , 83, 203-211	1.6	11
21	Assessment of the taxi service in Doha. <i>Transportation Research, Part A: Policy and Practice</i> , <b>2016</b> , 88, 223-235	3.7	22

20	Investigation of Weather Impacts on Pedestrian Volumes. <i>Transportation Research Procedia</i> , <b>2016</b> , 14, 115-122	2.4	19
19	Automated Analysis and Validation of Right-Turn Merging Behavior. <i>Journal of Transportation Safety and Security</i> , <b>2015</b> , 7, 138-152	1.7	8
18	Professionals' perception towards using building information modelling (BIM) in the highway and infrastructure projects. <i>Journal of Evidence-Based Medicine</i> , <b>2015</b> , 5, 273	6.1	5
17	Traffic Safety at RoadRail Level Crossings Using a Driving Simulator and Traffic Simulation. <i>Transportation Research Record</i> , <b>2015</b> , 2476, 109-118	1.7	5
16	Comparison of SimTraffic and VISSIM Microscopic Traffic Simulation Tools in Modeling Roundabouts. <i>Procedia Computer Science</i> , <b>2015</b> , 52, 43-50	1.6	18
15	Parking Space Detection System Using Video Images. <i>Transportation Research Record</i> , <b>2015</b> , 2537, 137-147		5
14	Use of Drivers' Work Profiles in Computer VisionBased Traffic Safety Evaluations. <i>Transportation Research Record</i> , <b>2014</b> , 2434, 103-112	1.7	43
13	Modeling significant factors affecting commuters' perspectives and propensity to use the new proposed metro service in Doha. <i>Canadian Journal of Civil Engineering</i> , <b>2014</b> , 41, 1054-1064	1.3	29
12	A Survey on Awareness of Traffic Signs among Youth in Qatar. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 587-589, 2133-2136	0.3	
11	Rebuilding the Transportation System in the City of Doha. <i>Journal of Traffic and Logistics Engineering</i> , <b>2014</b> , 2,	1.5	13
10	Investigating Cell Phone Use While Driving in Qatar. <i>Procedia, Social and Behavioral Sciences</i> , <b>2013</b> , 104, 1058-1067		12
9	Investigating the Customer Satisfaction of the Bus Service in Qatar. <i>Procedia, Social and Behavioral Sciences</i> , <b>2013</b> , 104, 865-874		23
8	Smart Tracking System for School Buses Using Passive RFID Technology to Enhance Child Safety. <i>Journal of Traffic and Logistics Engineering</i> , <b>2013</b> , 1, 191-196	1.5	14
7	Evaluation of Work Zone Strategies at Signalized Intersections. <i>Journal of Traffic and Logistics Engineering</i> , <b>2013</b> , 1, 202-206	1.5	3
6	Practical teaching and its importance in teaching civil engineering <b>2013</b> ,		1
5	Comparative Study of Road Traffic Rules in Qatar Compared to Western Countries. <i>Procedia, Social and Behavioral Sciences</i> , <b>2012</b> , 48, 992-999		3
4	Proposed Policies to Support the New Metro System in Qatar. <i>Procedia, Social and Behavioral Sciences</i> , <b>2012</b> , 48, 2315-2324		3
3	Measuring users' satisfaction of the road network using structural equation modeling. <i>International Journal of Sustainable Transportation</i> , 1-12	3.6	2

2	Determinants of memorable sightseeing bus-tour experiences: identifying and evaluating destination related attributes. <i>Tourism and Hospitality Research</i> ,146735842110382	2.2	1
1	Comparing Traffic Noise Levels between Signalized Intersections and Roundabouts in an Urban Environment. <i>Transportation Research Record</i> ,036119812210882	1.7	0