

Khaled Shaaban

List of Publications by Year in descending order

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Version: 2024-02-01

118
papers

1,464
citations

279487

23
h-index

433756

31
g-index

120
all docs

120
docs citations

120
times ranked

832
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of illegal pedestrian crossing behavior on a major divided arterial road. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2018, 54, 124-137.	1.8	79
2	Use of Drivers' Jerk Profiles in Computer Vision-Based Traffic Safety Evaluations. <i>Transportation Research Record</i> , 2014, 2434, 103-112.	1.0	59
3	Assessing Sidewalk and Corridor Walkability in Developing Countries. <i>Sustainability</i> , 2019, 11, 3865.	1.6	42
4	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> , 2020, 12, 1693.	1.6	41
5	The influence of bus service satisfaction on university students' mode choice. <i>Journal of Advanced Transportation</i> , 2016, 50, 935-948.	0.9	40
6	Characteristics and mitigation strategies for cell phone use while driving among young drivers in Qatar. <i>Journal of Transport and Health</i> , 2018, 8, 6-14.	1.1	39
7	Investigating in-vehicle distracting activities and crash risks for young drivers using structural equation modeling. <i>PLoS ONE</i> , 2020, 15, e0235325.	1.1	38
8	Evaluation of red-light camera enforcement using traffic violations. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , 2018, 5, 66-72.	2.0	37
9	Classification tree analysis of factors affecting parking choices in Qatar. <i>Case Studies on Transport Policy</i> , 2016, 4, 88-95.	1.1	36
10	Investigating the Customer Satisfaction of the Bus Service in Qatar. <i>Procedia, Social and Behavioral Sciences</i> , 2013, 104, 865-874.	0.5	35
11	Investigating Driver Behavior at Minor-Street Stop-Controlled Intersections in Qatar. <i>Transportation Research Record</i> , 2017, 2663, 109-116.	1.0	34
12	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> , 2019, 69, 178-191.	0.9	34
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> , 2014, 41, 1054-1064.	0.7	32
14	A Strategy for Emergency Vehicle Preemption and Route Selection. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 8905-8913.	1.7	32
15	Assessment of Drivers' Perceptions of Various Police Enforcement Strategies and Associated Penalties and Rewards. <i>Journal of Advanced Transportation</i> , 2017, 2017, 1-14.	0.9	29
16	Comparison of SimTraffic and VISSIM Microscopic Traffic Simulation Tools in Modeling Roundabouts. <i>Procedia Computer Science</i> , 2015, 52, 43-50.	1.2	28
17	Assessment of the taxi service in Doha. <i>Transportation Research, Part A: Policy and Practice</i> , 2016, 88, 223-235.	2.0	28
18	Investigation of Weather Impacts on Pedestrian Volumes. <i>Transportation Research Procedia</i> , 2016, 14, 115-122.	0.8	27

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19	Temporal variation in walking behavior: An empirical study. <i>Case Studies on Transport Policy</i> , 2017, 5, 671-680.	1.1	27
20	Literature Review of Advancements in Adaptive Ramp Metering. <i>Procedia Computer Science</i> , 2016, 83, 203-211.	1.2	26
21	Evaluating the effect of seasonal variations on walking behaviour in a hot weather country using logistic regression. <i>International Journal of Urban Sciences</i> , 2018, 22, 382-391.	1.3	26
22	Estimating Turning Movements at Signalized Intersections Using Artificial Neural Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2019, 20, 1828-1836.	4.7	26
23	Comparison of Time-Proximity and Evasive Action Conflict Measures: Case Studies from Five Cities. <i>Transportation Research Record</i> , 2017, 2661, 19-29.	1.0	25
24	A Case Study for Surrogate Safety Assessment Model in Predicting Real-Life Conflicts. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 4225-4231.	1.7	25
25	Smart Tracking System for School Buses Using Passive RFID Technology to Enhance Child Safety. <i>Journal of Traffic and Logistics Engineering</i> , 2013, 1, 191-196.	0.3	24
26	The Implications of Converting a High-Volume Multilane Roundabout into a Turbo Roundabout. <i>Journal of Advanced Transportation</i> , 2020, 2020, 1-12.	0.9	23
27	Evaluation of Transit Signal Priority Implementation for Bus Transit along a Major Arterial Using Microsimulation. <i>Procedia Computer Science</i> , 2018, 130, 82-89.	1.2	22
28	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> , 2019, 44, 4441-4451.	1.7	22
29	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> , 2020, 8, 484-491.	1.1	20
30	Underage driving and seat-belt use of high school teenagers in Qatar. <i>Journal of Transportation Safety and Security</i> , 2017, 9, 115-129.	1.1	17
31	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> , 2020, 12, 292-308.	1.1	17
32	Assessing Walking and Cycling around Schools. <i>Sustainability</i> , 2020, 12, 10607.	1.6	17
33	Drivers' Perceptions of Smartphone Applications for Real-Time Route Planning and Distracted Driving Prevention. <i>Journal of Advanced Transportation</i> , 2019, 2019, 1-10.	0.9	16
34	Severity analysis of red-light-running-related crashes using structural equation modeling. <i>Journal of Transportation Safety and Security</i> , 2021, 13, 278-297.	1.1	16
35	Automated Analysis and Validation of Right-Turn Merging Behavior. <i>Journal of Transportation Safety and Security</i> , 2015, 7, 138-152.	1.1	15
36	Visible light communication for intelligent transportation systems: A review of the latest technologies. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , 2021, 8, 483-492.	2.0	15

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37	Rebuilding the Transportation System in the City of Doha. Journal of Traffic and Logistics Engineering, 2014, 2, .	0.3	15
38	Investigating Cell Phone Use While Driving in Qatar. Procedia, Social and Behavioral Sciences, 2013, 104, 1058-1067.	0.5	14
39	Agent-based Modeling of Pedestrian Behavior at an Unmarked Midblock Crossing. Procedia Computer Science, 2017, 109, 26-33.	1.2	14
40	Do detection-based warning strategies improve vehicle yielding behavior at uncontrolled midblock crosswalks?. Accident Analysis and Prevention, 2021, 157, 106166.	3.0	14
41	Intelligent Transportation Systems in a Developing Country: Benefits and Challenges of Implementation. Transportation Research Procedia, 2021, 55, 1373-1380.	0.8	14
42	Development of prediction models of transportation noise for roundabouts and signalized intersections. Transportation Research, Part D: Transport and Environment, 2022, 103, 103174.	3.2	14
43	Critical Gap Comparison between One-, Two-, and Three-Lane Roundabouts in Qatar. Sustainability, 2020, 12, 4232.	1.6	13
44	Measuring usersâ€™ satisfaction of the road network using structural equation modeling. International Journal of Sustainable Transportation, 2022, 16, 792-803.	2.1	13
45	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.	0.9	12
46	Analysis of Traffic Crashes and Violations in a Developing Country. Transportation Research Procedia, 2021, 55, 1689-1695.	0.8	12
47	Assessment of Traffic Noise Near Schools in a Developing Country. Transportation Research Procedia, 2021, 55, 1202-1207.	0.8	11
48	Investigating the reasons for choosing a major among the engineering students in Qatar. , 2016, , .		10
49	Modeling pedestrian gap acceptance behavior at a six-lane urban road. Journal of Transportation Safety and Security, 2021, 13, 842-859.	1.1	10
50	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.	1.7	10
51	Machine learning-based multi-target regression to effectively predict turning movements at signalized intersections. International Journal of Transportation Science and Technology, 2023, 12, 245-257.	2.0	9
52	Parking Space Detection System Using Video Images. Transportation Research Record, 2015, 2537, 137-147.	1.0	8
53	An inclusive framework for automatic safety evaluation of roundabouts. Journal of Transportation Safety and Security, 2016, 8, 377-394.	1.1	8
54	A simple method to assess walkability around metro stations. International Journal of Sustainable Society, 2018, 10, 1.	0.0	8

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55	Analysis and Identification of Contributing Factors of Traffic Crashes in New York City. <i>Transportation Research Procedia</i> , 2021, 55, 1696-1703.	0.8	8
56	Factors affecting the behavioral intention of tourists on the use of bike sharing in tourism areas. <i>Research in Transportation Business and Management</i> , 2022, 43, 100742.	1.6	8
57	Comparative Study of Road Traffic Rules in Qatar Compared to Western Countries. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 48, 992-999.	0.5	7
58	Proposed Policies to Support the New Metro System in Qatar. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 48, 2315-2324.	0.5	7
59	Traffic Safety at Road-Rail Level Crossings Using a Driving Simulator and Traffic Simulation. <i>Transportation Research Record</i> , 2015, 2476, 109-118.	1.0	7
60	Driver Behaviors at Level Crossings from Fixed and Moving Driving Simulators. <i>Procedia Computer Science</i> , 2018, 130, 103-110.	1.2	7
61	Analysis of Pedestrian Crossing Speeds at Signalized Intersections in Qatar. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 4467-4476.	1.7	7
62	Belief in Fate and Self-Efficacy in Road Safety Advertising Based on Guilt: An Explanation Based on Negotiable Fate. <i>Australasian Marketing Journal</i> , 2019, 27, 233-241.	3.5	7
63	Reveal the hidden layer via entity embedding in traffic prediction. <i>Procedia Computer Science</i> , 2019, 151, 163-170.	1.2	7
64	Professionals' perception towards using building information modelling (BIM) in the highway and infrastructure projects. <i>Journal of Evidence-Based Medicine</i> , 2015, 5, 273.	0.7	6
65	Impact of College Provided Transportation on the Absenteeism and Academic Performance of Engineering Students. <i>Eurasia Journal of Mathematics, Science and Technology Education</i> , 2021, 17, em1944.	0.7	6
66	An Investigation of Traffic Noise Levels Around a Major Hospital in Qatar. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 354-360.	0.5	6
67	Practical teaching and its importance in teaching civil engineering. , 2013, , .		6
68	Measuring, Mapping, and Evaluating Daytime Traffic Noise Levels at Urban Road Intersections in Doha, Qatar. <i>Future Transportation</i> , 2022, 2, 625-643.	1.3	6
69	Development, Validation, and Application of School Audit Tool (SAT): An Effective Instrument for Assessing Traffic Safety and Operation around Schools. <i>Sustainability</i> , 2019, 11, 6438.	1.6	5
70	A new framework for addressing high-level decisions related to sustainable transportation development. <i>International Journal of Sustainable Transportation</i> , 2020, 14, 843-859.	2.1	5
71	Pedestrian Attribute Analysis Using Agent-Based Modeling. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4882.	1.3	5
72	Determinants of memorable sightseeing bus-tour experiences: identifying and evaluating destination related attributes. <i>Tourism and Hospitality Research</i> , 2022, 22, 209-225.	2.4	5

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73	Who Is Going to Ride the Upcoming Metro in Qatar?. Advances in Intelligent Systems and Computing, 2019, , 671-675.	0.5	5
74	A Before-and-After Traffic Noise Analysis of a Roundabout Converted to a Signalized Intersection. Arabian Journal for Science and Engineering, 2022, 47, 13333-13347.	1.7	5
75	Using Pavements to Generate Electricity. Procedia Computer Science, 2019, 151, 124-131.	1.2	4
76	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.	1.2	4
77	Smart City Transportation System in Developing Countries: The Case of Lusail City, Qatar. Lecture Notes in Networks and Systems, 2021, , 445-452.	0.5	4
78	Evaluation of Work Zone Strategies at Signalized Intersections. Journal of Traffic and Logistics Engineering, 2013, 1, 202-206.	0.3	4
79	An Artificial Intelligence Approach to Estimate Travel Time along Public Transportation Bus Lines. , 2020, , .		4
80	Operational Performance of Signalized Intersections: HCM and Microsimulation Comparison. , 2022, , .		4
81	Revealing the hidden features in traffic prediction via entity embedding. Personal and Ubiquitous Computing, 2021, 25, 21-31.	1.9	3
82	Impact of Experience and Training on Traffic Knowledge of Young Drivers. Open Transportation Journal, 2021, 15, 61-68.	0.4	3
83	Pedestrian Compliance at Signalized Intersections along Major Arterials. Open Transportation Journal, 2021, 15, 210-216.	0.4	3
84	Effectiveness of intrusive advising of engineering first-year students using tailored freshman seminars. Eurasia Journal of Mathematics, Science and Technology Education, 2022, 18, em2106.	0.7	3
85	Comparing Traffic Noise Levels between Signalized Intersections and Roundabouts in an Urban Environment. Transportation Research Record, 0, , 036119812210882.	1.0	3
86	Challenges and Lessons Learned from Building a New Road Drainage System in a Developing Country. , 2022, , .		3
87	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.	2.0	2
88	Impact of Police Enforcement on Critical Gap at Roundabouts. Transportation Research Procedia, 2021, 55, 387-393.	0.8	2
89	Public Transportation Usage in a Hot Climate Developing Country. Transportation Research Procedia, 2021, 55, 394-400.	0.8	2
90	The COVID-19 Pandemicâ€™s Impact on Traffic Fatalities in Utah. , 2022, , .		2

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91	An assessment tool to evaluate complete streets in developing countries: the case of Qatar. International Journal of Sustainable Society, 2018, 10, 225.	0.0	1
92	A Posture Recognition System to Track Drivers' Activities While Driving. International Journal of Traffic and Transportation Management, 2021, 3, .	0.2	1
93	A simple method to assess walkability around metro stations. International Journal of Sustainable Society, 2018, 10, 1.	0.0	1
94	Parking detection method using quadtree decomposition analysis. Journal of Traffic and Transportation Engineering (English Edition), 2022, 9, 645-653.	2.0	1
95	The COVID-19 Pandemic and Public Transportation Usage in Utah. , 2022, , .		1
96	Analysis of Pedestrian Crashes in Utah. , 2022, , .		1
97	Review of Factors Affecting Public Transportation Ridership. , 2022, , .		1
98	The Impact of the COVID-19 Pandemic on Undergraduate Research for Engineering Students and Possible Strategies to Promote Research. , 2022, , .		1
99	A Time-Series Analysis of Traffic Crashes in New York City. , 2022, , .		1
100	Risk Perception and Crash Involvement of Cell Phone Users While Driving Among Young Drivers in Developing Countries: The Case of Qatar. Open Transportation Journal, 2022, 16, .	0.4	1
101	A Survey on Awareness of Traffic Signs among Youth in Qatar. Applied Mechanics and Materials, 2014, 587-589, 2133-2136.	0.2	0
102	Measuring Cell Phone Use While Driving on Campus. Lecture Notes in Networks and Systems, 2021, , 114-118.	0.5	0
103	Safety of Roundabouts. , 2021, , 539-548.		0
104	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	0
105	Measuring Vehicle Speeds, Compliance Rates, and Braking Reaction Times at Level Crossings Using Fixed and Moving Driving Simulators. International Journal of Traffic and Transportation Management, 2021, 3, .	0.2	0
106	A proposed transportation tracking system for mega construction projects using passive RFID technology. , 2013, , .		0
107	Influence of Crash Report Forms on Red Light Running Crash Data. Journal of Traffic and Logistics Engineering, 2013, 1, 197-201.	0.3	0
108	Right Turn Split: A New Design to Alleviate the Weaving Problem on Arterial Streets. Journal of Traffic and Logistics Engineering, 2013, 1, 207-212.	0.3	0

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109	The significance of industry experience in civil engineering education. , 2014, , .		0
110	Exploring the suitability of a survey instrument to measure the walkability of streets in Doha. , 2016, , 157-160.		0
111	Modelling the Performance of Signalized Intersections Near Railway Crossings. International Journal of Computer & Software Engineering, 2017, 2, .	0.4	0
112	An assessment tool to evaluate complete streets in developing countries: the case of Qatar. International Journal of Sustainable Society, 2018, 10, 225.	0.0	0
113	Quantifying the Operational Performance of Left-Turn Lanes at Signalized Intersections: A Parametric Study. , 2020, , .		0
114	Effectiveness of the Pedestrian Detection Strategies and Pavement Markings: A Driving Simulator study. , 2020, , .		0
115	Effect of Distance between Ramp and Upstream Signal on Ramp Meter Operation. International Journal of Traffic and Transportation Management, 2020, 02, 43-49.	0.2	0
116	Effect of Through Movement Flow Rate on Left-Turn Lane Utilization at Signalized Intersections. , 2022, , .		0
117	Design Challenges for Hyperloop Transport Systems. , 2022, , .		0
118	Driver Compliance at All-Way Stop-Controlled Intersections. , 2022, , .		0