

Wael K M Alhajyaseen

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

1,389
citations

361296

20
h-index

395590

33
g-index

92
all docs

92
docs citations

92
times ranked

788
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved Traffic Flow Efficiency During Yellow Interval at Signalized Intersections Using a Smart Countdown System. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1959-1968.	4.7	6
2	Road safety status during COVID-19 pandemic: exploring public and road safety experts' opinions. International Journal of Injury Control and Safety Promotion, 2022, 29, 135-151.	1.0	20
3	An international comparative study on driving attitudes and behaviors based on questionnaire surveys. IATSS Research, 2022, 46, 26-35.	1.8	16
4	Investigating the attitudes of Egyptian drivers toward traffic safety. IATSS Research, 2022, 46, 73-81.	1.8	6
5	A multi-country survey for collecting and analyzing facts related to road traffic safety: Legislation, enforcement, and education for safer drivers. IATSS Research, 2022, 46, 14-25.	1.8	8
6	Pedestrian flow characteristics through different angled bends: Exploring the spatial variation of velocity. PLoS ONE, 2022, 17, e0264635.	1.1	5
7	Injury burden in individuals aged 50 years or older in the Eastern Mediterranean region, 1990-2019: a systematic analysis from the Global Burden of Disease Study 2019. The Lancet Healthy Longevity, 2022, 3, e253-e262.e4.	2.0	6
8	Promoting cycling activities in the State of Qatar: Challenges and potential treatments. Procedia Computer Science, 2022, 201, 117-125.	1.2	1
9	Analysis of Stopping Sight Distance (SSD) Parameters: A Review Study. Procedia Computer Science, 2022, 201, 126-133.	1.2	5
10	A study on the determinants of Ethiopian minibus taxi drivers' speeding behaviour: An application of the 'major theorists' model. Procedia Computer Science, 2022, 201, 189-196.	1.2	0
11	Experiences with licensing by autistic drivers: An exploratory study. Procedia Computer Science, 2022, 201, 330-337.	1.2	0
12	Delay or travel time information? The impact of advanced traveler information systems on drivers' behavior before freeway work zones. Transportation Research Part F: Traffic Psychology and Behaviour, 2022, 87, 454-476.	1.8	3
13	Can automated driving prevent crashes with distracted Pedestrians? An exploration of motion planning at unsignalized Mid-block crosswalks. Accident Analysis and Prevention, 2022, 173, 106711.	3.0	11
14	Travelers' preferences regarding autonomous mobility in the State of Qatar. Personal and Ubiquitous Computing, 2021, 25, 141-149.	1.9	5
15	Optical pavement treatments and their impact on speed and lateral position at transition zones: A driving simulator study. Accident Analysis and Prevention, 2021, 150, 105916.	3.0	6
16	Analysis of gap parameters for the estimation of single lane roundabouts' capacity in the State of Qatar. Procedia Computer Science, 2021, 184, 250-257.	1.2	0
17	Relating Reactive and Proactive Aggression to Trait Driving Anger in Young and Adult Males: A Pilot Study Using Explicit and Implicit Measures. Sustainability, 2021, 13, 1850.	1.6	3
18	The appraisal of roadway environment and infrastructure by drivers with autism: A qualitative study. Transportation Research Part F: Traffic Psychology and Behaviour, 2021, 78, 280-298.	1.8	4

#	ARTICLE	IF	CITATIONS
19	Investigating the impact of a novel active gap metering signalization strategy on driver behavior at highway merging sections. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2021, 78, 42-57.	1.8	11
20	Driving simulation sickness and the sense of presence: Correlation and contributing factors. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2021, 78, 180-193.	1.8	16
21	Sandstorm animations on rural expressways: The impact of variable message sign strategies on driver behavior in low visibility conditions. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2021, 78, 308-325.	1.8	10
22	Do detection-based warning strategies improve vehicle yielding behavior at uncontrolled midblock crosswalks?. <i>Accident Analysis and Prevention</i> , 2021, 157, 106166.	3.0	14
23	Modelling speed behaviour in rural highways: Safety analysis of driving under adverse road-weather conditions. <i>PLoS ONE</i> , 2021, 16, e0256322.	1.1	3
24	Autonomous vehicles between anticipation and apprehension: Investigations through safety and security perceptions. <i>Transport Policy</i> , 2021, 110, 440-451.	3.4	19
25	A novel agent-based framework for evaluating pedestrian safety at unsignalized mid-block crosswalks. <i>Accident Analysis and Prevention</i> , 2021, 159, 106288.	3.0	19
26	Improved traffic safety at work zones through animation-based variable message signs. <i>Accident Analysis and Prevention</i> , 2021, 159, 106284.	3.0	14
27	Pedestrian Crossing (Crosswalk). , 2021, , 346-354.		0
28	Interactions between autonomous vehicles and pedestrians at unsignalized mid-block crosswalks considering occlusions by opposing vehicles. <i>Accident Analysis and Prevention</i> , 2021, 163, 106468.	3.0	6
29	Innovative countermeasures for red light running prevention at signalized intersections: A driving simulator study. <i>Accident Analysis and Prevention</i> , 2020, 134, 105349.	3.0	25
30	Investigating the Efficiency and Safety of Signalized Intersections Under Mixed Flow Conditions of Autonomous and Human-Driven Vehicles. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 8607-8618.	1.7	10
31	Analysis of the Trajectories of Left-turning Vehicles at Signalized Intersections. <i>Transportation Research Procedia</i> , 2020, 48, 1288-1295.	0.8	5
32	Dynamic travel information strategies in advance traveler information systems and their effect on route choices along highways. <i>Procedia Computer Science</i> , 2020, 170, 289-296.	1.2	7
33	Effectiveness of Speed Limit Pavement Markings at Transition Zones Along Expressways. , 2020, , .		1
34	Impact of the geometric field of view on drivers' speed perception and lateral position in driving simulators. <i>Procedia Computer Science</i> , 2020, 170, 18-25.	1.2	23
35	Modeling Traffic Flows on Urban Arterials Considering the Downstream Influence. <i>Transportation Research Record</i> , 2020, 2674, 475-485.	1.0	3
36	Extraction of Vehicle Turning Trajectories at Signalized Intersections Using Convolutional Neural Networks. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 8011-8025.	1.7	8

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37	A vision-based zebra crossing detection method for people with visual impairments. , 2020, , .		5
38	Effect of ADHD traits in young drivers on self-reported deviant driving behaviours: An exploratory study in the Arab gulf region. Journal of Transport and Health, 2020, 17, 100857.	1.1	3
39	Introducing a multi-variate classification method: Risky driving acceptance among different heterogeneous driver sub-cultures. Journal of Safety Research, 2020, 73, 81-91.	1.7	30
40	Effect of U-Turns and Heavy Vehicles on the Saturation Flow Rates of Left-Turn Lanes at Signalized Intersections. Sustainability, 2020, 12, 4485.	1.6	4
41	Modeling Trajectories and Trajectory Variation of Turning Vehicles at Signalized Intersections. IEEE Access, 2020, 8, 109821-109834.	2.6	17
42	Modeling the Impact of Downstream Conditions on Discharging Behavior of Vehicles at Signalized Intersections Using Micro-Simulation. Arabian Journal for Science and Engineering, 2020, 45, 4187-4202.	1.7	8
43	Empirical evaluation of driversâ€™ start-up behavior at signalized intersection using driving simulator. Procedia Computer Science, 2020, 170, 227-234.	1.2	13
44	Crowd Dynamics, Management and Control at Tourist Attractions during Special Events: A Case Study at Souq Waqif using Pedestrideâ€™ Crowd Simulation Tool. , 2020, , .		0
45	Mega Events and Crowd Evacuation at Tourist Attractions: A Case Study of Souq Waqif using Pedestrideâ€™ Crowd Simulation Tool. , 2020, , .		1
46	Effectiveness of the Pedestrian Detection Strategies and Pavement Markings: A Driving Simulator study. , 2020, , .		0
47	Improved Road Safety at Work Zones using Advanced Traveler Information Systems. , 2020, , .		0
48	Impact of Countdown Ground LED Lights on Traffic Flow Efficiency at Signalized Intersections: A Driving Simulator study. , 2020, , .		0
49	Empirical Study on Pedestrian Signal Design and Compliance in the State of Qatar. International Journal of Civil Engineering, 2019, 17, 1653-1666.	0.9	3
50	Investigating the Impacts of Graphical Route Information Panel Layouts on Driversâ€™ Comprehension and Response Time. Arabian Journal for Science and Engineering, 2019, 44, 8439-8450.	1.7	4
51	Modeling and Simulation of Pedestrian Movement Planning Around Corners. Sustainability, 2019, 11, 5501.	1.6	9
52	Traffic safety research in the 15th world conference on transport research. International Journal of Injury Control and Safety Promotion, 2019, 26, 203-204.	1.0	1
53	Investigating the impact of dynamic merge control strategies on driving behavior on rural and urban expressways â€” A driving simulator study. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 65, 469-484.	1.8	29
54	Motorcyclistsâ€™ Safety on Expressways: Subjective and Objective Evaluations. Arabian Journal for Science and Engineering, 2019, 44, 8859-8873.	1.7	2

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55	Drivers' estimation of their travelling speed: a study on an expressway and a local road. International Journal of Injury Control and Safety Promotion, 2019, 26, 216-224.	1.0	18
56	Analysis of road traffic crashes in the State of Qatar. International Journal of Injury Control and Safety Promotion, 2019, 26, 242-250.	1.0	40
57	The State of Qatar and the United Arab Emirates. , 2019, , 263-283.		1
58	Traffic safety culture of professional drivers in the State of Qatar. IATSS Research, 2019, 43, 286-296.	1.8	62
59	Speed perception and actual speed in a driving simulator and real-world: A validation study. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 62, 637-650.	1.8	72
60	The relation between driving errors and executive functioning in intellectually able young novice drivers with autism. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 63, 38-54.	1.8	12
61	Applied Internet of Things IoT: Car monitoring system for Modeling of Road Safety and Traffic System in the State of Qatar. , 2018, , .		7
62	Performance evaluation of the inside intersection median-turn lane markings on the mobility and safety performance of signalized intersections in the Philippines and Japan. IATSS Research, 2018, 42, 230-239.	1.8	2
63	Effectiveness of Consistency Measures in Crash Prediction Models for Two-Lane Highways in Palestine. Arabian Journal for Science and Engineering, 2018, 43, 5645-5656.	1.7	4
64	Relationship between Chauffeurs' Demographics, and Knowledge of Traffic Signs in the Kingdom of Saudi Arabia. Procedia Computer Science, 2018, 130, 34-41.	1.2	3
65	Real-time Driver Drowsiness Detection for Android Application Using Deep Neural Networks Techniques. Procedia Computer Science, 2018, 130, 400-407.	1.2	141
66	Pedestrians' Speed Analysis at Signalized Crosswalks. Procedia Computer Science, 2018, 130, 567-574.	1.2	17
67	Changes in Driving Behavior Across Age Cohorts in an Arab Culture: the Case of State of Qatar. Procedia Computer Science, 2018, 130, 652-659.	1.2	44
68	A comparative study on the operational performance of four-leg intersections by control type. Transportation Research, Part A: Policy and Practice, 2018, 118, 52-67.	2.0	6
69	Effectiveness of Driver Simulator as a Driving Education Tool. , 2018, , .		0
70	A mini review on percent time-spent-following (PTSF) as the service measure for two-lane highways. Communications in Science and Technology, 2018, 3, 48-51.	0.4	0
71	The effectiveness of applying dynamic lane assignment at all approaches of signalized intersection. Case Studies on Transport Policy, 2017, 5, 224-232.	1.1	22
72	Consideration of a Pedestrian Speed Change Model in the Pedestrian's Vehicle Safety Assessment of Signalized Crosswalks. Transportation Research Procedia, 2017, 21, 87-97.	0.8	13

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73	Modeling pedestrian crossing speed profiles considering speed change behavior for the safety assessment of signalized intersections. Accident Analysis and Prevention, 2017, 108, 332-342.	3.0	46
74	An overview of pedestrian signal setting and implementation in the State of Qatar. Procedia Computer Science, 2017, 109, 545-552.	1.2	3
75	Pedestrians' Crossing Behavior at Marked Crosswalks on Channelized Right-Turn Lanes at Intersections. Procedia Computer Science, 2017, 109, 233-240.	1.2	32
76	The Integration of Dynamic Lane Grouping Technique and Signal Timing Optimization for Improving the Mobility of Isolated Intersections. Arabian Journal for Science and Engineering, 2017, 42, 1013-1024.	1.7	7
77	Studying critical pedestrian behavioral changes for the safety assessment at signalized crosswalks. Safety Science, 2017, 91, 351-360.	2.6	53
78	Pedestrian speed at signalised crosswalks: analysis and influencing factors. Journal of Evidence-Based Medicine, 2015, 5, 258.	0.7	10
79	A study on crossing speed profiles of pedestrians at signalized crosswalks. Journal of Local and Global Health Science, 2015, 2015, .	0.2	1
80	The Integration of Conflict Probability and Severity for the Safety Assessment of Intersections. Arabian Journal for Science and Engineering, 2015, 40, 421-430.	1.1	47
81	Analysis and Modeling of Pedestrian Crossing Behavior During the Pedestrian Flashing Green Interval. IEEE Transactions on Intelligent Transportation Systems, 2014, , 1-12.	4.7	22
82	Analysis of Pedestrian Clearance Time at Signalized Crosswalks in Japan. Procedia Computer Science, 2014, 32, 301-308.	1.2	18
83	The Development of Conflict Index for the Safety Assessment of Intersections Considering Crash Probability and Severity. Procedia Computer Science, 2014, 32, 364-371.	1.2	21
84	Stochastic approach for modeling the effects of intersection geometry on turning vehicle paths. Transportation Research Part C: Emerging Technologies, 2013, 32, 179-192.	3.9	53
85	Left-turn gap acceptance models considering pedestrian movement characteristics. Accident Analysis and Prevention, 2013, 50, 175-185.	3.0	59
86	Estimation of left-turning vehicle maneuvers for the assessment of pedestrian safety at intersections. IATSS Research, 2012, 36, 66-74.	1.8	52
87	Development of Microscopic Traffic Simulation Model for Safety Assessment at Signalized Intersections. Transportation Research Record, 2012, 2316, 122-131.	1.0	17
88	Design Criteria for Crosswalk Width and Position at Signalized Intersections. Journal of Civil Engineering and Architecture, 2012, 6, .	0.0	2
89	Effects of Bi-directional Pedestrian Flow Characteristics upon the Capacity of Signalized Crosswalks. Procedia, Social and Behavioral Sciences, 2011, 16, 526-535.	0.5	30
90	Quality of pedestrian flow and crosswalk width at signalized intersections. IATSS Research, 2010, 34, 35-41.	1.8	22

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91	MODELING AND ANALYSIS OF PEDESTRIAN FLOW AT SIGNALIZED CROSSWALKS. Infrastructure Planning Review, 2009, 26, 611-620.	0.1	1