

Suliman A Gargoum

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

507
citations

623188

14
h-index

713013

21
g-index

27
all docs

27
docs citations

27
times ranked

385
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring the association between speed and safety: A path analysis approach. Accident Analysis and Prevention, 2016, 93, 32-40.	3.0	64
2	Assessing Stopping and Passing Sight Distance on Highways Using Mobile LiDAR Data. Journal of Computing in Civil Engineering, 2018, 32, .	2.5	41
3	Automated Highway Sign Extraction Using Lidar Data. Transportation Research Record, 2017, 2643, 1-8.	1.0	40
4	A literature synthesis of LiDAR applications in transportation: feature extraction and geometric assessments of highways. GIScience and Remote Sensing, 2019, 56, 864-893.	2.4	36
5	Limiting mobility during COVID-19, when and to what level? An international comparative study using change point analysis. Journal of Transport and Health, 2021, 20, 101019.	1.1	32
6	Towards setting credible speed limits: Identifying factors that affect driver compliance on urban roads. Accident Analysis and Prevention, 2016, 95, 138-148.	3.0	29
7	A Fully Automated Approach to Extract and Assess Road Cross Sections From Mobile LiDAR Data. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3507-3516.	4.7	26
8	Automated Extraction of Horizontal Curve Attributes using LiDAR Data. Transportation Research Record, 2018, 2672, 98-106.	1.0	26
9	Automated assessment of vertical clearance on highways scanned using mobile LiDAR technology. Automation in Construction, 2018, 95, 260-274.	4.8	25
10	Automated extraction of road features using LiDAR data: A review of LiDAR applications in transportation. , 2017, , .		22
11	Virtual assessment of sight distance limitations using LiDAR technology: Automated obstruction detection and classification. Automation in Construction, 2021, 125, 103579.	4.8	21
12	Available sight distance on existing highways: Meeting stopping sight distance requirements of an aging population. Accident Analysis and Prevention, 2018, 112, 56-68.	3.0	19
13	Effects of LiDAR Point Density on Extraction of Traffic Signs: A Sensitivity Study. Transportation Research Record, 2019, 2673, 41-51.	1.0	17
14	A Voxel-Based Method for Automated Detection and Mapping of Light Poles on Rural Highways using LiDAR Data. Transportation Research Record, 2018, 2672, 274-283.	1.0	16
15	Towards a more inclusive and safe design of horizontal curves: Exploring the association between curve features, reliability measures, and safety. Accident Analysis and Prevention, 2021, 153, 106009.	3.0	16
16	Feasibility of extracting highway vertical profiles from LiDAR data. Canadian Journal of Civil Engineering, 2018, 45, 418-421.	0.7	14
17	Operating Speed Models for Tangent Segments on Urban Roads. Transportation Research Record, 2017, 2618, 91-99.	1.0	11
18	Analyzing the ability of crash-prone highways to handle stochastically modelled driver demand for stopping sight distance. Accident Analysis and Prevention, 2020, 136, 105395.	3.0	11

#	ARTICLE	IF	CITATIONS
19	Network Level Clearance Assessment using LiDAR to Improve the Reliability and Efficiency of Issuing Over-Height Permits on Highways. Transportation Research Record, 2018, 2672, 45-56.	1.0	10
20	A framework to detect horizontal curves and assess their geometric properties from remotely sensed point clouds. International Journal of Remote Sensing, 2020, 41, 8328-8351.	1.3	9
21	Relationship between road safety and mobile photo enforcement performance indicators: A case study of the city of Edmonton. Journal of Transportation Safety and Security, 2017, 9, 195-215.	1.1	8
22	Automated Framework to Audit Traffic Signs Using Remote Sensing Data. Journal of Infrastructure Systems, 2021, 27, .	1.0	5
23	Intervention analysis of the safety effects of a legislation targeting excessive speeding in Canada. International Journal of Injury Control and Safety Promotion, 2018, 25, 212-221.	1.0	4
24	Enriching Roadside Safety Assessments Using LiDAR Technology: Disaggregate Collision-Level Data Fusion and Analysis. Infrastructures, 2022, 7, 7.	1.4	3
25	Aggregate Spatial Analysis of Design Reliability to Sight Distance Requirements: Assessing Reliability of Transportation Infrastructure on a Network Level. Journal of Infrastructure Systems, 2022, 28, .	1.0	2
26	Factors Affecting Classification of Road Segments into High- and Low-Speed Collision Regimes. Transportation Research Record, 2017, 2659, 98-105.	1.0	0
27	Impacts of Point Cloud Density Reductions on Extracting Road Geometric Features from mobile LiDAR data. Canadian Journal of Civil Engineering, 0, , .	0.7	0