Salvatore Cafiso

List of Publications by Year
in descending order

61 papers	1,270 citations	361413 20 h-index	395702 33 g-index
62 all docs	62 docs citations	62 times ranked	1034 citing authors

#	Article	IF	Citations
1	Urban road pavements monitoring and assessment using bike and e-scooter as probe vehicles. Case Studies in Construction Materials, 2022, 16, e00889.	1.7	19
2	Operational design domain of automated vehicles for crossing maneuvers at two-way stop-controlled intersections. Accident Analysis and Prevention, 2022, 167, 106575.	5.7	2
3	Managed Lane as Strategy for Traffic Flow and Safety: A Case Study of Catania Ring Road. Sustainability, 2022, 14, 2915.	3.2	6
4	Assessing the operational design domain of lane support system for automated vehicles in different weather and road conditions. Journal of Traffic and Transportation Engineering (English Edition), 2022, 9, 631-644.	4.2	4
5	Innovative smart road management systems in the urban context: Integrating smart sensors and miniaturized sensing systems. Structural Control and Health Monitoring, 2022, 29, .	4.0	1
6	Crash modification functions for pavement surface condition and geometric design indicators. Accident Analysis and Prevention, 2021, 149, 105887.	5.7	32
7	A Novel Acceleration Signal Processing Procedure for Cycling Safety Assessment. Sensors, 2021, 21, 4183.	3.8	22
8	Operational design domain of autonomous vehicles at skewed intersection. Accident Analysis and Prevention, 2021, 159, 106241.	5.7	17
9	Decision Tree Method to Analyze the Performance of Lane Support Systems. Sustainability, 2021, 13, 846.	3.2	44
10	Observed Risk and User Perception of Road Infrastructure Safety Assessment for Cycling Mobility. Infrastructures, 2021, 6, 154.	2.8	5
11	A stochastic approach to the benefit cost ratio analysis of safety treatments. Case Studies on Transport Policy, 2020, 8, 188-196.	2.5	1
12	Structural health monitoring of asphalt pavements using smart sensor networks: A comprehensive review. Journal of Traffic and Transportation Engineering (English Edition), 2020, 7, 639-651.	4.2	44
13	Safety effectiveness and performance of lane support systems for driving assistance and automation – Experimental test and logistic regression for rare events. Accident Analysis and Prevention, 2020, 148, 105791.	5.7	27
14	Performance Related Quality Assurance in Pavement Construction. Lecture Notes in Civil Engineering, 2020, , 470-479.	0.4	0
15	Rendimiento de los sistemas para mantenerse en el carril (LSS) en alineaciones curvilíneas. Avances Investigación En Ingeniería, 2020, 17, .	0.0	0
16	Sensor-based pavement diagnostic using acoustic signature for moduli estimation. International Journal of Pavement Research and Technology, 2020, 13, 573-580.	2.6	11
17	Investigating safety performance of the SAFESTAR system for route-based curve treatment. Reliability Engineering and System Safety, 2019, 188, 125-132.	8.9	3
18	Comparison of Bayesian techniques for the before–after evaluation of the safety effectiveness of short 2+1 road sections. Accident Analysis and Prevention, 2019, 127, 163-171.	5.7	7

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19	A Collaborative System to Manage Information Sources Improving Transport Infrastructure Data Knowledge. Journal of Engineering and Technological Sciences, 2019, 51, 855.	0.6	3
20	Safety assessment of passing relief lanes using microsimulation-based conflicts analysis. Accident Analysis and Prevention, 2018, 116, 94-102.	5.7	20
21	Traffic conflicts analyses for 2+1 road sections. MATEC Web of Conferences, 2018, 231, 01006.	0.2	0
22	A new perspective in the road asset management with the use of advanced monitoring system & BIM. MATEC Web of Conferences, 2018, 231, 01007.	0.2	6
23	Investigating the influence of segmentation in estimating safety performance functions for roadway sections. Journal of Traffic and Transportation Engineering (English Edition), 2018, 5, 129-136.	4.2	18
24	In-vehicle stereo vision system for identification of traffic conflicts between bus and pedestrian. Journal of Traffic and Transportation Engineering (English Edition), 2017, 4, 3-13.	4.2	27
25	Investigating the influence on safety of retrofitting Italian motorways with barriers meeting a new EU standard. Traffic Injury Prevention, 2017, 18, 324-329.	1.4	24
26	Use of technology to improve bicycle mobility in smart cities. , 2017, , .		8
27	Application of an Intelligent Transportation System in a Travel Time Information System: Safety Assessment and Management. Transportation Research Record, 2017, 2635, 46-54.	1.9	2
28	Investigating the influence of passing relief lane sections on safety and traffic performance. Journal of Transport and Health, 2017, 7, 38-47.	2.2	11
29	Evaluating the safety benefit of retrofitting motorways section with barriers meeting a new EU standard: Comparison of observational before–after methodologies. Journal of Traffic and Transportation Engineering (English Edition), 2017, 4, 555-563.	4.2	4
30	Assessing the stochastic variability of the Benefit-Cost ratio in roadway safety management. Accident Analysis and Prevention, 2016, 93, 189-197.	5.7	26
31	Reliability-Based Assessment of Benefits in Roadway Safety Management. Transportation Research Record, 2015, 2513, 1-10.	1.9	20
32	Safety Inspection and Management Tools for Low-Volume Road Network. Transportation Research Record, 2015, 2472, 134-141.	1.9	15
33	Using GPS data to detect critical events in motorcycle rider behaviour. International Journal of Mobile Network Design and Innovation, 2014, 5, 195.	0.1	10
34	Road safety issues for bus transport management. Accident Analysis and Prevention, 2013, 60, 324-333.	5.7	53
35	Using the Delphi method to evaluate opinions of public transport managers on bus safety. Safety Science, 2013, 57, 254-263.	4.9	93
36	Context-Sensitive Approach for Network Selection of Infrastructure Projects. Transportation Research Record, 2013, 2358, 59-65.	1.9	0

#	ARTICLE	IF	CITATIONS
37	How to compare different national databases of HGV accidents to identify issues for safety improvements. Baltic Journal of Road and Bridge Engineering, 2013, 8, 124-132.	0.8	7
38	New Approach to Defining Continuous Speed Profile Models for Two-Lane Rural Roads. Transportation Research Record, 2012, 2309, 157-167.	1.9	32
39	Evaluation of the effectiveness of ADAS in reducing multi-vehicle collisions. International Journal of Heavy Vehicle Systems, 2012, 19, 188.	0.2	20
40	Road Safety Issues for Bus Transport Management. Procedia, Social and Behavioral Sciences, 2012, 48, 2251-2261.	0.5	13
41	A Logistic Model for Powered Two-Wheelers Crash in Italy. Procedia, Social and Behavioral Sciences, 2012, 53, 880-889.	0.5	24
42	A Comparative Analysis of Powered Two Wheelers Crash Severity among Different Urban Areas. Procedia, Social and Behavioral Sciences, 2012, 53, 890-899.	0.5	3
43	Safety Performance Function for Motorways using Generalized Estimation Equations. Procedia, Social and Behavioral Sciences, 2012, 53, 900-909.	0.5	13
44	Application of Highway Safety Manual to Italian Divided Multilane Highways. Procedia, Social and Behavioral Sciences, 2012, 53, 910-919.	0.5	20
45	Definition of Homogenous Sections in Road Pavement Measurements. Procedia, Social and Behavioral Sciences, 2012, 53, 1069-1079.	0.5	25
46	Performance of Safety Indicators in Identification of Black Spots on Two-Lane Rural Roads. Transportation Research Record, 2011, 2237, 78-87.	1.9	20
47	Safety Inspections as Supporting Tool for Safety Management of Low-Volume Roads. Transportation Research Record, 2011, 2203, 116-125.	1.9	29
48	Evaluation of Safety Identification Methods for Low-Volume Roads Using Monte Carlo Simulation. Transportation Research Record, 2011, 2203, 106-115.	1.9	6
49	Surrogate Safety Measures for Optimizing Investments in Local Rural Road Networks. Transportation Research Record, 2011, 2237, 20-30.	1.9	11
50	Revisiting Variability of Dispersion Parameter of Safety Performance for Two-Lane Rural Roads. Transportation Research Record, 2010, 2148, 38-46.	1.9	20
51	Development of comprehensive accident models for two-lane rural highways using exposure, geometry, consistency and context variables. Accident Analysis and Prevention, 2010, 42, 1072-1079.	5.7	157
52	Driving Performance, Alignment Consistency, and Road Safety. Transportation Research Record, 2009, 2102, 1-8.	1.9	46
53	Safety Index for Evaluation of Two-Lane Rural Highways. Transportation Research Record, 2007, 2019, 136-145.	1.9	62
54	Texture analysis of aggregates for wearing courses in asphalt pavements. International Journal of Pavement Engineering, 2007, 8, 45-54.	4.4	25

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55	Methodological Considerations for the Evaluation of Seismic Risk on Road Network. Pure and Applied Geophysics, 2005, 162, 767-782.	1.9	15
56	Actual Driving Data Analysis for Design Consistency Evaluation. Transportation Research Record, 2005, 1912, 19-30.	1.9	13
57	Fuzzy Model for Safety Evaluation Process of New and Old Roads. Transportation Research Record, 2004, 1881, 54-62.	1.9	20
58	Multicriteria Analysis Method for Pavement Maintenance Management. Transportation Research Record, 2002, 1816, 73-84.	1.9	33
59	Safety Evaluation Process for Two-Lane Rural Roads: A 10-Year Review. Transportation Research Record, 2002, 1796, 51-59.	1.9	36
60	Assessment of Seismic Risk and Reliability of Road Network. , 0, , .		2
61	Experimental Analysis for Piezoelectric Transducers Applications into Roads Pavements. Advanced Materials Research, 0, 684, 253-257.	0.3	22