

# Salvatore Cafiso

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Development of comprehensive accident models for two-lane rural highways using exposure, geometry, consistency and context variables. <i>Accident Analysis and Prevention</i> , 2010, 42, 1072-1079.	5.7	157
2	Using the Delphi method to evaluate opinions of public transport managers on bus safety. <i>Safety Science</i> , 2013, 57, 254-263.	4.9	93
3	Safety Index for Evaluation of Two-Lane Rural Highways. <i>Transportation Research Record</i> , 2007, 2019, 136-145.	1.9	62
4	Road safety issues for bus transport management. <i>Accident Analysis and Prevention</i> , 2013, 60, 324-333.	5.7	53
5	Driving Performance, Alignment Consistency, and Road Safety. <i>Transportation Research Record</i> , 2009, 2102, 1-8.	1.9	46
6	Structural health monitoring of asphalt pavements using smart sensor networks: A comprehensive review. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , 2020, 7, 639-651.	4.2	44
7	Decision Tree Method to Analyze the Performance of Lane Support Systems. <i>Sustainability</i> , 2021, 13, 846.	3.2	44
8	Safety Evaluation Process for Two-Lane Rural Roads: A 10-Year Review. <i>Transportation Research Record</i> , 2002, 1796, 51-59.	1.9	36
9	Multicriteria Analysis Method for Pavement Maintenance Management. <i>Transportation Research Record</i> , 2002, 1816, 73-84.	1.9	33
10	New Approach to Defining Continuous Speed Profile Models for Two-Lane Rural Roads. <i>Transportation Research Record</i> , 2012, 2309, 157-167.	1.9	32
11	Crash modification functions for pavement surface condition and geometric design indicators. <i>Accident Analysis and Prevention</i> , 2021, 149, 105887.	5.7	32
12	Safety Inspections as Supporting Tool for Safety Management of Low-Volume Roads. <i>Transportation Research Record</i> , 2011, 2203, 116-125.	1.9	29
13	In-vehicle stereo vision system for identification of traffic conflicts between bus and pedestrian. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , 2017, 4, 3-13.	4.2	27
14	Safety effectiveness and performance of lane support systems for driving assistance and automation – Experimental test and logistic regression for rare events. <i>Accident Analysis and Prevention</i> , 2020, 148, 105791.	5.7	27
15	Assessing the stochastic variability of the Benefit-Cost ratio in roadway safety management. <i>Accident Analysis and Prevention</i> , 2016, 93, 189-197.	5.7	26
16	Texture analysis of aggregates for wearing courses in asphalt pavements. <i>International Journal of Pavement Engineering</i> , 2007, 8, 45-54.	4.4	25
17	Definition of Homogenous Sections in Road Pavement Measurements. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 53, 1069-1079.	0.5	25
18	A Logistic Model for Powered Two-Wheelers Crash in Italy. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 53, 880-889.	0.5	24

#	ARTICLE	IF	CITATIONS
19	Investigating the influence on safety of retrofitting Italian motorways with barriers meeting a new EU standard. <i>Traffic Injury Prevention</i> , 2017, 18, 324-329.	1.4	24
20	Experimental Analysis for Piezoelectric Transducers Applications into Roads Pavements. <i>Advanced Materials Research</i> , 0, 684, 253-257.	0.3	22
21	A Novel Acceleration Signal Processing Procedure for Cycling Safety Assessment. <i>Sensors</i> , 2021, 21, 4183.	3.8	22
22	Fuzzy Model for Safety Evaluation Process of New and Old Roads. <i>Transportation Research Record</i> , 2004, 1881, 54-62.	1.9	20
23	Revisiting Variability of Dispersion Parameter of Safety Performance for Two-Lane Rural Roads. <i>Transportation Research Record</i> , 2010, 2148, 38-46.	1.9	20
24	Performance of Safety Indicators in Identification of Black Spots on Two-Lane Rural Roads. <i>Transportation Research Record</i> , 2011, 2237, 78-87.	1.9	20
25	Evaluation of the effectiveness of ADAS in reducing multi-vehicle collisions. <i>International Journal of Heavy Vehicle Systems</i> , 2012, 19, 188.	0.2	20
26	Application of Highway Safety Manual to Italian Divided Multilane Highways. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 53, 910-919.	0.5	20
27	Reliability-Based Assessment of Benefits in Roadway Safety Management. <i>Transportation Research Record</i> , 2015, 2513, 1-10.	1.9	20
28	Safety assessment of passing relief lanes using microsimulation-based conflicts analysis. <i>Accident Analysis and Prevention</i> , 2018, 116, 94-102.	5.7	20
29	Urban road pavements monitoring and assessment using bike and e-scooter as probe vehicles. <i>Case Studies in Construction Materials</i> , 2022, 16, e00889.	1.7	19
30	Investigating the influence of segmentation in estimating safety performance functions for roadway sections. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , 2018, 5, 129-136.	4.2	18
31	Operational design domain of autonomous vehicles at skewed intersection. <i>Accident Analysis and Prevention</i> , 2021, 159, 106241.	5.7	17
32	Methodological Considerations for the Evaluation of Seismic Risk on Road Network. <i>Pure and Applied Geophysics</i> , 2005, 162, 767-782.	1.9	15
33	Safety Inspection and Management Tools for Low-Volume Road Network. <i>Transportation Research Record</i> , 2015, 2472, 134-141.	1.9	15
34	Road Safety Issues for Bus Transport Management. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 48, 2251-2261.	0.5	13
35	Safety Performance Function for Motorways using Generalized Estimation Equations. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 53, 900-909.	0.5	13
36	Actual Driving Data Analysis for Design Consistency Evaluation. <i>Transportation Research Record</i> , 2005, 1912, 19-30.	1.9	13

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37	Surrogate Safety Measures for Optimizing Investments in Local Rural Road Networks. Transportation Research Record, 2011, 2237, 20-30.	1.9	11
38	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
39	Sensor-based pavement diagnostic using acoustic signature for moduli estimation. International Journal of Pavement Research and Technology, 2020, 13, 573-580.	2.6	11
40	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
41	Use of technology to improve bicycle mobility in smart cities. , 2017, , .		8
42	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
43	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
44	Evaluation of Safety Identification Methods for Low-Volume Roads Using Monte Carlo Simulation. Transportation Research Record, 2011, 2203, 106-115.	1.9	6
45	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
46	Managed Lane as Strategy for Traffic Flow and Safety: A Case Study of Catania Ring Road. Sustainability, 2022, 14, 2915.	3.2	6
47	Observed Risk and User Perception of Road Infrastructure Safety Assessment for Cycling Mobility. Infrastructures, 2021, 6, 154.	2.8	5
48	Evaluating the safety benefit of retrofitting motorways section with barriers meeting a“new“standard: Comparison of observational“before“after methodologies. Journal of Traffic and Transportation Engineering (English Edition), 2017, 4, 555-563.	4.2	4
49	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
50	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
51	Investigating safety performance of the SAFESTAR system for route-based curve treatment. Reliability Engineering and System Safety, 2019, 188, 125-132.	8.9	3
52	A Collaborative System to Manage Information Sources Improving Transport Infrastructure Data Knowledge. Journal of Engineering and Technological Sciences, 2019, 51, 855.	0.6	3
53	Assessment of Seismic Risk and Reliability of Road Network. , 0, , .		2
54	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

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55	Operational design domain of automated vehicles for crossing maneuvers at two-way stop-controlled intersections. <i>Accident Analysis and Prevention</i> , 2022, 167, 106575.	5.7	2
56	A stochastic approach to the benefit cost ratio analysis of safety treatments. <i>Case Studies on Transport Policy</i> , 2020, 8, 188-196.	2.5	1
57	Innovative smart road management systems in the urban context: Integrating smart sensors and miniaturized sensing systems. <i>Structural Control and Health Monitoring</i> , 2022, 29, .	4.0	1
58	Context-Sensitive Approach for Network Selection of Infrastructure Projects. <i>Transportation Research Record</i> , 2013, 2358, 59-65.	1.9	0
59	Traffic conflicts analyses for 2+1 road sections. <i>MATEC Web of Conferences</i> , 2018, 231, 01006.	0.2	0
60	Performance Related Quality Assurance in Pavement Construction. <i>Lecture Notes in Civil Engineering</i> , 2020, , 470-479.	0.4	0
61	Rendimiento de los sistemas para mantenerse en el carril (LSS) en alineaciones curvilíneas. <i>Avances Investigación En Ingeniería</i> , 2020, 17, .	0.0	0