

Konstantinos Mattas

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

497
citations

933447

10
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

262
citing authors

#	ARTICLE	IF	CITATIONS
1	OpenACC. An open database of car-following experiments to study the properties of commercial ACC systems. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 125, 103047.	7.6	102
2	Empirical Study on the Properties of Adaptive Cruise Control Systems and Their Impact on Traffic Flow and String Stability. <i>Transportation Research Record</i> , 2020, 2674, 471-484.	1.9	67
3	Response Time and Time Headway of an Adaptive Cruise Control. An Empirical Characterization and Potential Impacts on Road Capacity. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020, 21, 1677-1686.	8.0	64
4	Requiem on the positive effects of commercial adaptive cruise control on motorway traffic and recommendations for future automated driving systems. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 130, 103305.	7.6	54
5	Simulating deployment of connectivity and automation on the Antwerp ring road. <i>IET Intelligent Transport Systems</i> , 2018, 12, 1036-1044.	3.0	49
6	Adaptive Cruise Control Strategies Implemented on Experimental Vehicles: A Review. <i>IFAC-PapersOnLine</i> , 2019, 52, 21-27.	0.9	48
7	The impact of automation and connectivity on traffic flow and CO2 emissions. A detailed microsimulation study. <i>Atmospheric Environment</i> , 2020, 226, 117399.	4.1	35
8	Fuzzy Surrogate Safety Metrics for real-time assessment of rear-end collision risk. A study based on empirical observations. <i>Accident Analysis and Prevention</i> , 2020, 148, 105794.	5.7	32
9	Multianticipation for string stable Adaptive Cruise Control and increased motorway capacity without vehicle-to-vehicle communication. <i>Transportation Research Part C: Emerging Technologies</i> , 2022, 140, 103687.	7.6	14
10	The impact of driving homogeneity due to automation and cooperation of vehicles on uphill freeway sections. <i>European Transport Research Review</i> , 2020, 12, .	4.8	13
11	Introducing the Effects of Road Geometry Into Microscopic Traffic Models for Automated Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 13604-13613.	8.0	8
12	Safety aware fuzzy longitudinal controller for automated vehicles. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , 2021, 8, 568-581.	4.2	6
13	A microsimulation based analysis of the price of anarchy in traffic routing: The enhanced Braess network case. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2022, 26, 448-460.	4.2	5