Konstantinos Mattas

List of Publications by Year
in descending order

13	497	933447 10	1125743 13
papers	citations	h-index	g-index

13	13	13	262
all docs	docs citations	times ranked	citing authors

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