Giovanni De Nunzio

List of Publications by Year
in descending order

27	785	1162367 8	1199166 12
papers	citations	h-index	g-index

27	27	27	591
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optimal Ecodriving Control: Energy-Efficient Driving of Road Vehicles as an Optimal Control Problem. IEEE Control Systems, 2015, 35, 71-90.	1.0	265
2	Safe- and Eco-Driving Control for Connected and Automated Electric Vehicles Using Analytical State-Constrained Optimal Solution. IEEE Transactions on Intelligent Vehicles, 2018, 3, 163-172.	9.4	101
3	Ecoâ€driving in urban traffic networks using traffic signals information. International Journal of Robust and Nonlinear Control, 2016, 26, 1307-1324.	2.1	99
4	Eco-driving in urban traffic networks using traffic signal information. , 2013, , .		53
5	A Unified Approach for Electric Vehicles Range Maximization via Eco-Routing, Eco-Driving, and Energy Consumption Prediction. IEEE Transactions on Intelligent Vehicles, 2018, 3, 463-475.	9.4	50
6	Ecological traffic management: A review of the modeling and control strategies for improving environmental sustainability of road transportation. Annual Reviews in Control, 2019, 48, 292-311.	4.4	36
7	Energy-optimal driving range prediction for electric vehicles. , 2017, , .		25
8	A model-based eco-routing strategy for electric vehicles in large urban networks. , 2016, , .		18
9	A real-time eco-driving strategy for automated electric vehicles. , 2017, , .		15
10	Model-Based Eco-Routing Strategy for Electric Vehicles in Large Urban Networks. SpringerBriefs in Applied Sciences and Technology, 2017, , 81-99.	0.2	14
11	A Constrained Eco-Routing Strategy for Hybrid Electric Vehicles Based on Semi-Analytical Energy Management. , 2018, , .		13
12	Speed Advisory and Signal Offsets Control for Arterial Bandwidth Maximization and Energy Consumption Reduction. IEEE Transactions on Control Systems Technology, 2017, 25, 875-887.	3.2	12
13	Bi-objective eco-routing in large urban road networks. , 2017, , .		12
14	Urban traffic Eco-Driving: A macroscopic steady-state analysis. , 2014, , .		11
15	A general constrained optimization framework for the eco-routing problem: Comparison and analysis of solution strategies for hybrid electric vehicles. Transportation Research Part C: Emerging Technologies, 2021, 123, 102935.	3.9	11
16	Thermal management optimization of a heat-pump-based HVAC system for cabin conditioning in electric vehicles. , 2018, , .		7
17	Variable Speed Limits Control in an Urban Road Network to Reduce Environmental Impact of Traffic. , 2020, , .		7
18	Road Traffic Dynamic Pollutant Emissions Estimation: From Macroscopic Road Information to Microscopic Environmental Impact. Atmosphere, 2021, 12, 53.	1.0	7

#	Article	IF	Citations
19	Arterial bandwidth maximization via signal offsets and variable speed limits control. , 2015, , .		6
20	A Stochastic Data-Based Traffic Model Applied to Vehicles Energy Consumption Estimation. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3025-3034.	4.7	5
21	A Time- and Energy-Optimal Routing Strategy for Electric Vehicles with Charging Constraints. , 2020, , .		5
22	An Eco-Routing Algorithm for HEVs Under Traffic Conditions. IFAC-PapersOnLine, 2020, 53, 14242-14247.	0.5	4
23	A Bilevel Energy Management Strategy for HEVs Under Probabilistic Traffic Conditions. IEEE Transactions on Control Systems Technology, 2022, 30, 728-739.	3.2	3
24	Urban traffic Eco-Driving: Speed advisory tracking. , 2014, , .		2
25	Vehicle speed trajectory estimation using road traffic and infrastructure information. , 2020, , .		2
26	Connectivity and Automation as Enablers for Energy-Efficient Driving and Road Traffic Management. , 2021, , 1-40.		1
27	Connectivity and Automation as Enablers for Energy-Efficient Driving and Road Traffic Management. , 2022, , 2337-2376.		1