Dominik Karbowski

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10573243/publications.pdf

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15	144	2682572 2	2272923 4
papers	citations	h-index	g-index

15	15	15	69
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Minimum Principle-Based Algorithm for Energy-Efficient Eco-Driving of Electric Vehicles in Various Traffic and Road Conditions. IEEE Transactions on Intelligent Vehicles, 2020, 5, 725-737.	12.7	38
2	A Modeling Framework for Connectivity and Automation Co-simulation. , 0, , .		19
3	Leveraging Multiple Connected Traffic Light Signals in an Energy-Efficient Speed Planner. , 2021, 5, 2078-2083.		19
4	Fuel-Optimal Periodic Control of Passenger Cars in Cruise Based on Pontryaginâ€™s Minimum Principle. IFAC-PapersOnLine, 2018, 51, 813-820.	0.9	15
5	Fuel Efficient Speed Optimization for Real-World Highway Cruising. , 0, , .		12
6	Closed-form solutions for a real-time energy-optimal and collision-free speed planner with limited information. , 2020, , .		10
7	Vehicle-In-The-Loop Workflow for the Evaluation of Energy-Efficient Automated Driving Controls in Real Vehicles. , 0, , .		8
8	Online Implementation of Optimal Control with Receding Horizon for Eco-Driving of an Electric Vehicle. , 2019, , .		5
9	Forecasting Short to Mid-Length Speed Trajectories of Preceding Vehicle Using V2X Connectivity for Eco-Driving of Electric Vehicles. SAE International Journal of Advances and Current Practices in Mobility, 0, 3, 1801-1809.	2.0	5
10	Receding Horizon Reference Governor for Implementable and Optimal Powertrain-Aware Eco-Driving. IFAC-PapersOnLine, 2020, 53, 13842-13849.	0.9	4
11	Solving Eco-Driving Problems Using Indirect Collocation Method and Smooth Representation. , 2021, 5, 1501-1506.		3
12	Human Driver Modeling Based on Analytical Optimal Solutions: Stopping Behaviors at the Intersections. ASME Letters in Dynamic Systems and Control, 2021, 1, .	0.7	3
13	Fine-tuning a real-time speed planner for eco-driving of connected and automated vehicles. , 2020, , .		3
14	Solving Eco-Driving Problems using Indirect Collocation Method and Smooth Representation. , 2021, , .		0
15	Leveraging Multiple Connected Traffic Light Signals in an Energy-Efficient Speed Planner**This report and the work described were sponsored by the U.S. Department of Energy (DOE) Vehicle Technologies Office (VTO) under the Systems and Modelling for Accelerated Research in Transportation (SMART) Mobility Laboratory Consortium, an initiative of the Energy Efficient Mobility Systems (EEMS) Program.. , 2021, , .		0