

Dominik Karbowski

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

144
citations

2682572

2
h-index

2272923

4
g-index

15
all docs

15
docs citations

15
times ranked

69
citing authors

#	ARTICLE	IF	CITATIONS
1	Solving Eco-Driving Problems using Indirect Collocation Method and Smooth Representation. , 2021, , .		0
2	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
3	Solving Eco-Driving Problems Using Indirect Collocation Method and Smooth Representation. , 2021, 5, 1501-1506.		3
4	Leveraging Multiple Connected Traffic Light Signals in an Energy-Efficient Speed Planner. , 2021, 5, 2078-2083.		19
5	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
6	Closed-form solutions for a real-time energy-optimal and collision-free speed planner with limited information. , 2020, , .		10
7	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
8	Receding Horizon Reference Governor for Implementable and Optimal Powertrain-Aware Eco-Driving. IFAC-PapersOnLine, 2020, 53, 13842-13849.	0.9	4
9	Fine-tuning a real-time speed planner for eco-driving of connected and automated vehicles. , 2020, , .		3
10	Online Implementation of Optimal Control with Receding Horizon for Eco-Driving of an Electric Vehicle. , 2019, , .		5
11	Fuel-Optimal Periodic Control of Passenger Cars in Cruise Based on Pontryaginâ€™s Minimum Principle. IFAC-PapersOnLine, 2018, 51, 813-820.	0.9	15
12	A Modeling Framework for Connectivity and Automation Co-simulation. , 0, , .		19
13	Fuel Efficient Speed Optimization for Real-World Highway Cruising. , 0, , .		12
14	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
15	Vehicle-In-The-Loop Workflow for the Evaluation of Energy-Efficient Automated Driving Controls in Real Vehicles. , 0, , .		8