

Jihun Han

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

499
citations

1307594

7
h-index

1199594

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24
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24
docs citations

24
times ranked

428
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Leveraging Multiple Connected Traffic Light Signals in an Energy-Efficient Speed Planner. , 2021, 5, 2078-2083.		19
3	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
4	Closed-form solutions for a real-time energy-optimal and collision-free speed planner with limited information. , 2020, , .		10
5	Receding Horizon Reference Governor for Implementable and Optimal Powertrain-Aware Eco-Driving. IFAC-PapersOnLine, 2020, 53, 13842-13849.	0.9	4
6	Fine-tuning a real-time speed planner for eco-driving of connected and automated vehicles. , 2020, , .		3
7	Fundamentals of energy efficient driving for combustion engine and electric vehicles: An optimal control perspective. Automatica, 2019, 103, 558-572.	5.0	99
8	Human Driver Modeling Based on Analytical Optimal Solutions: Stopping Behaviors at the Intersections. , 2019, , .		3
9	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.	12.7	101
10	Impact of Model Simplification on Optimal Control of Combustion Engine and Electric Vehicles Considering Control Input Constraints. , 2018, , .		4
11	Synthesis of Predictive Equivalent Consumption Minimization Strategy for Hybrid Electric Vehicles Based on Closed-Form Solution of Optimal Equivalence Factor. IEEE Transactions on Vehicular Technology, 2017, 66, 5604-5616.	6.3	51
12	A real-time eco-driving strategy for automated electric vehicles. , 2017, , .		15
13	Handling State Constraints in Fast-computing Optimal Control for Hybrid Powertrains. IFAC-PapersOnLine, 2017, 50, 4781-4786.	0.9	5
14	Sensitivity analysis for assessing robustness of position-based predictive energy management strategy for fuel cell hybrid electric vehicle. World Electric Vehicle Journal, 2015, 7, 330-341.	3.0	2
15	A Study on How to Utilize Hilly Road Information in Equivalent Consumption Minimization Strategy of FCHEVs. SAE International Journal of Alternative Powertrains, 2014, 3, 72-77.	0.8	3
16	Cooperative regenerative braking control for front-wheel-drive hybrid electric vehicle based on adaptive regenerative brake torque optimization using under-steer index. International Journal of Automotive Technology, 2014, 15, 989-1000.	1.4	21
17	Impact of hilly road information on fuel economy of FCHEV based on parameterization of hilly roads. International Journal of Automotive Technology, 2014, 15, 283-290.	1.4	11
18	Optimal adaptation of equivalent factor of equivalent consumption minimization strategy for fuel cell hybrid electric vehicles under active state inequality constraints. Journal of Power Sources, 2014, 267, 491-502.	7.8	116

#	ARTICLE	IF	CITATIONS
19	A novel updating method of equivalent factor in ECMS for prolonging the lifetime of battery in fuel cell hybrid electric vehicle. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 227-232.	0.4	11
20	Adaptive regenerative braking control in severe cornering for guaranteeing the vehicle stability of fuel cell hybrid electric vehicle. , 2011, , .		6
21	Impact of Hilly Road Profile on Optimal Energy Management Strategy for FCHEV with Various Battery Sizes. , 0, , .		2
22	A Real-Time Intelligent Speed Optimization Planner Using Reinforcement Learning. , 0, , .		2
23	Vehicle-In-The-Loop Workflow for the Evaluation of Energy-Efficient Automated Driving Controls in Real Vehicles. , 0, , .		8