

Zachary D Asher

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

262
citations

1478280
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times ranked

149
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and Evaluation of Velocity Predictive Optimal Energy Management Strategies in Intelligent and Connected Hybrid Electric Vehicles. <i>Energies</i> , 2021, 14, 5713.	1.6	19
2	Real-Time Implementation of Optimal Energy Management in Hybrid Electric Vehicles: Globally Optimal Control of Acceleration Events. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2020, 142, .	0.9	10
3	Economic Viability and Environmental Impact of In-Motion Wireless Power Transfer. <i>IEEE Transactions on Transportation Electrification</i> , 2019, 5, 135-146.	5.3	50
4	Increasing the Fuel Economy of Connected and Autonomous Lithium-Ion Electrified Vehicles. <i>Green Energy and Technology</i> , 2018, , 129-151.	0.4	11
5	An Adaptive Green Zone Strategy for Hybrid Electric Vehicle Control. , 2018, , .		0
6	Prediction Error Applied to Hybrid Electric Vehicle Optimal Fuel Economy. <i>IEEE Transactions on Control Systems Technology</i> , 2018, 26, 2121-2134.	3.2	23
7	Vehicle Electrification in Chile: A Life Cycle Assessment and Techno-Economic Analysis Using Data Generated by Autonomie Vehicle Modeling Software. , 2018, , .		0
8	Towards Improving Vehicle Fuel Economy with ADAS. , 2018, , .		12
9	Enabling Prediction for Optimal Fuel Economy Vehicle Control. , 2018, , .		16
10	The Importance of HEV Fuel Economy and Two Research Gaps Preventing Real World Implementation of Optimal Energy Management. , 2017, , .		16
11	The Effect of Trip Preview Prediction Signal Quality on Hybrid Vehicle Fuel Economy. <i>IFAC-PapersOnLine</i> , 2015, 48, 271-276.	0.5	12
12	The Effect of Hill Planning and Route Type Identification Prediction Signal Quality on Hybrid Vehicle Fuel Economy. , 0, , .		3
13	Investigation of Vehicle Speed Prediction from Neural Network Fit of Real World Driving Data for Improved Engine On/Off Control of the EcoCAR3 Hybrid Camaro. , 0, , .		16
14	Economic and Efficient Hybrid Vehicle Fuel Economy and Emissions Modeling Using an Artificial Neural Network. , 0, , .		13
15	V2V Communication Based Real-World Velocity Predictions for Improved HEV Fuel Economy. , 0, , .		20
16	Application of Pre-Computed Acceleration Event Control to Improve Fuel Economy in Hybrid Electric Vehicles. , 0, , .		3
17	Development of an Autonomous Vehicle Control Strategy Using a Single Camera and Deep Neural Networks. , 0, , .		9
18	High-Fidelity Modeling of Light-Duty Vehicle Emission and Fuel Economy Using Deep Neural Networks. , 0, , .		7

#	ARTICLE	IF	CITATIONS
19	Identification and Review of the Research Gaps Preventing a Realization of Optimal Energy Management Strategies in Vehicles. SAE International Journal of Alternative Powertrains, 0, 8, .	0.8	11
20	Comparison of Optimal Energy Management Strategies Using Dynamic Programming, Model Predictive Control, and Constant Velocity Prediction. , 0, , .		2
21	Mobility Energy Productivity Evaluation of Prediction-Based Vehicle Powertrain Control Combined with Optimal Traffic Management. , 0, , .		9