Chao

List of Publications by Year
in descending order

24 papers	1,016 citations	759233 12 h-index	996975 15 g-index
24 all docs	24 docs citations	24 times ranked	782 citing authors

#	Article	IF	Citations
1	Velocity Predictors for Predictive Energy Management in Hybrid Electric Vehicles. IEEE Transactions on Control Systems Technology, 2015, 23, 1197-1204.	5.2	378
2	Dynamic Traffic Feedback Data Enabled Energy Management in Plug-in Hybrid Electric Vehicles. IEEE Transactions on Control Systems Technology, 2015, 23, 1075-1086.	5.2	239
3	ARIMA-Based Road Gradient and Vehicle Velocity Prediction for Hybrid Electric Vehicle Energy Management. IEEE Transactions on Vehicular Technology, 2019, 68, 5309-5320.	6.3	94
4	Real-time global driving cycle construction and the application to economy driving pro system in plug-in hybrid electric vehicles. Energy, 2018, 152, 95-107.	8.8	77
5	Predictive air-conditioner control for electric buses with passenger amount variation forecastâ˜†. Applied Energy, 2018, 227, 249-261.	10.1	42
6	Stochastic Model Predictive Control of Air Conditioning System for Electric Vehicles: Sensitivity Study, Comparison, and Improvement. IEEE Transactions on Industrial Informatics, 2018, 14, 4179-4189.	11.3	28
7	Adaptive State-of-Charge Estimation for Lithium-Ion Batteries by Considering Capacity Degradation. Electronics (Switzerland), 2021, 10, 122.	3.1	26
8	Adaptive Speed Planning of Connected and Automated Vehicles Using Multi-Light Trained Deep Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2022, 71, 3533-3546.	6.3	21
9	Integrating traffic velocity data into predictive energy management of plug-in hybrid electric vehicles. , 2015, , .		19
10	Freeway Driving Cycle Construction Based on Real-Time Traffic Information and Global Optimal Energy Management for Plug-In Hybrid Electric Vehicles. Energies, 2017, 10, 1796.	3.1	17
11	Efficiency Decrease Estimation of a Permanent Magnet Synchronous Machine with Demagnetization Faults. Energy Procedia, 2017, 105, 2718-2724.	1.8	15
12	Road Grade Prediction for Predictive Energy Management in Hybrid Electric Vehicles. Energy Procedia, 2017, 105, 2438-2444.	1.8	13
13	Tolerance analysis of electrified vehicles on the motor demagnetization fault: From an energy perspective. Applied Energy, 2018, 227, 239-248.	10.1	12
14	An experimental study on the mechanical characteristics of Liâ€ion battery during overchargeâ€induced thermal runaway. International Journal of Energy Research, 2021, 45, 19985-20000.	4.5	12
15	Guided model predictive control for connected vehicles with hybrid energy systems. Energy, 2021, 230, 120780.	8.8	10
16	Research on Fuel Cell Fault Diagnosis Based on Genetic Algorithm Optimization of Support Vector Machine. Energies, 2022, 15, 2294.	3.1	10
17	Fast Battery SoC Trajectory Planning for Predictive Energy Management of PHEBs. , 2019, , .		1
18	Improved Real-Time Velocity Prediction by Considering Preceding Vehicle Dynamics. , 2019, , .		1

#	Article	IF	Citations
19	ADRC-based Control of Pan-tilt System for Automated Vehicle Sensors. , 2021, , .		1
20	Connected PHEV Energy Management based on Global Driving Cycle Construction. , 2021, , .		0
21	Alternating Direction Method of Multipliers Improved Online Power Management in a Fuel Cell Hybrid Bus. , 2021, , .		0
22	Estimation of Optimal Energy Consumption for Fuel Cell Vehicle Based on Macroscopic Traffic Dynamics. , 2021, , .		0
23	Hot-start based Fast Speed Planning for Eco-Driving of Intelligent Vehicles. , 2021, , .		0
24	SoC Planner for Predictive Energy Management of Fuel Cell Vehicles. , 2021, , .		0