

Yuanjian Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,286
citations

361413

20
h-index

377865

34
g-index

48
all docs

48
docs citations

48
times ranked

614
citing authors

#	ARTICLE	IF	CITATIONS
1	State of health estimation for lithium-ion batteries based on temperature prediction and gated recurrent unit neural network. <i>Journal of Power Sources</i> , 2022, 521, 230892.	7.8	85
2	State of health prediction of lithium-ion batteries based on machine learning: Advances and perspectives. <i>IScience</i> , 2021, 24, 103265.	4.1	78
3	A Flexible State-of-Health Prediction Scheme for Lithium-Ion Battery Packs With Long Short-Term Memory Network and Transfer Learning. <i>IEEE Transactions on Transportation Electrification</i> , 2021, 7, 2238-2248.	7.8	76
4	Online diagnosis of state of health for lithium-ion batteries based on short-term charging profiles. <i>Journal of Power Sources</i> , 2020, 471, 228478.	7.8	71
5	Fault diagnosis and abnormality detection of lithium-ion battery packs based on statistical distribution. <i>Journal of Power Sources</i> , 2021, 482, 228964.	7.8	59
6	Optimal energy management strategy for parallel plug-in hybrid electric vehicle based on driving behavior analysis and real time traffic information prediction. <i>Mechatronics</i> , 2017, 46, 177-192.	3.3	58
7	Rule learning based energy management strategy of fuel cell hybrid vehicles considering multi-objective optimization. <i>Energy</i> , 2020, 207, 118212.	8.8	57
8	Stage of Charge Estimation of Lithium-Ion Battery Packs Based on Improved Cubature Kalman Filter With Long Short-Term Memory Model. <i>IEEE Transactions on Transportation Electrification</i> , 2021, 7, 1271-1284.	7.8	54
9	Synthetic state of charge estimation for lithium-ion batteries based on long short-term memory network modeling and adaptive H-Infinity filter. <i>Energy</i> , 2021, 228, 120630.	8.8	54
10	A predictive energy management strategy for multi-mode plug-in hybrid electric vehicles based on multi neural networks. <i>Energy</i> , 2020, 208, 118366.	8.8	50
11	A neural network-based ECMS for optimized energy management of plug-in hybrid electric vehicles. <i>Energy</i> , 2022, 243, 122727.	8.8	50
12	State of charge prediction framework for lithium-ion batteries incorporating long short-term memory network and transfer learning. <i>Journal of Energy Storage</i> , 2021, 37, 102494.	8.1	49
13	Energy management strategy for plug-in hybrid electric vehicle integrated with vehicle-environment cooperation control. <i>Energy</i> , 2020, 197, 117192.	8.8	40
14	Data-driven based eco-driving control for plug-in hybrid electric vehicles. <i>Journal of Power Sources</i> , 2021, 498, 229916.	7.8	36
15	Prediction of vehicle driving conditions with incorporation of stochastic forecasting and machine learning and a case study in energy management of plug-in hybrid electric vehicles. <i>Mechanical Systems and Signal Processing</i> , 2021, 158, 107765.	8.0	33
16	Cooperative optimization of velocity planning and energy management for connected plug-in hybrid electric vehicles. <i>Applied Mathematical Modelling</i> , 2021, 95, 715-733.	4.2	28
17	<scp>State</scp> of charge estimation framework for lithium-ion batteries based on square root cubature Kalman filter under wide operation temperature range. <i>International Journal of Energy Research</i> , 2021, 45, 5586-5601.	4.5	26
18	A Cyber-Physical System-Based Velocity-Profile Prediction Method and Case Study of Application in Plug-In Hybrid Electric Vehicle. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 40-51.	9.5	24

#	ARTICLE	IF	CITATIONS
19	A Hierarchical Energy Management Strategy Based on Model Predictive Control for Plug-In Hybrid Electric Vehicles. IEEE Access, 2019, 7, 81612-81629.	4.2	23
20	Cooperative control strategy for plug-in hybrid electric vehicles based on a hierarchical framework with fast calculation. Journal of Cleaner Production, 2020, 251, 119627.	9.3	22
21	A comprehensive study of speed prediction in transportation system: From vehicle to traffic. IScience, 2022, 25, 103909.	4.1	22
22	A novel optimal power management strategy for plug-in hybrid electric vehicle with improved adaptability to traffic conditions. Journal of Power Sources, 2021, 489, 229512.	7.8	21
23	Global optimization energy management for multi-energy source vehicles based on "Information layer - Physical layer - Energy layer - Dynamic programming"(IPE-DP). Applied Energy, 2022, 312, 118668.	10.1	21
24	Alternative combined co-estimation of state of charge and capacity for lithium-ion batteries in wide temperature scope. Energy, 2022, 244, 123236.	8.8	19
25	Capacity Prediction and Validation of Lithium-Ion Batteries Based on Long Short-Term Memory Recurrent Neural Network. IEEE Access, 2020, 8, 172783-172798.	4.2	18
26	Machine learning and whale optimization algorithm based design of energy management strategy for plug-in hybrid electric vehicle. IET Intelligent Transport Systems, 2021, 15, 1076-1091.	3.0	18
27	An improved adaptive equivalent consumption minimization strategy for parallel plug-in hybrid electric vehicle. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2019, 233, 1649-1663.	1.9	17
28	An optimal control strategy design for plug-in hybrid electric vehicles based on internet of vehicles. Energy, 2021, 228, 120631.	8.8	17
29	A Novel Learning-Based Model Predictive Control Strategy for Plug-In Hybrid Electric Vehicle. IEEE Transactions on Transportation Electrification, 2022, 8, 23-35.	7.8	17
30	Control Strategy for an Open-End Winding Induction Motor Drive System for Dual-Power Electric Vehicles. IEEE Access, 2020, 8, 8844-8860.	4.2	15
31	Operation Efficiency Optimization for Permanent Magnet Synchronous Motor Based on Improved Particle Swarm Optimization. IEEE Access, 2021, 9, 777-788.	4.2	15
32	Driving behavior oriented torque demand regulation for electric vehicles with single pedal driving. Energy, 2021, 228, 120568.	8.8	11
33	Acquisition of full-factor trip information for global optimization energy management in multi-energy source vehicles and the measure of the amount of information to be transmitted. Energy, 2021, 236, 121423.	8.8	10
34	Topology optimization and the evolution trends of two-speed transmission of EVs. Renewable and Sustainable Energy Reviews, 2022, 161, 112390.	16.4	10
35	A novel data-driven controller for plug-in hybrid electric vehicles with improved adaptabilities to driving environment. Journal of Cleaner Production, 2022, 334, 130250.	9.3	9
36	A Vehicle-Environment Cooperative Control Based Velocity Profile Prediction Method and Case Study in Energy Management of Plug-in Hybrid Electric Vehicles. IEEE Access, 2019, 7, 75965-75975.	4.2	8

#	ARTICLE	IF	CITATIONS
37	A novel strategy for power sources management in connected plug-in hybrid electric vehicles based on mobile edge computation framework. <i>Journal of Power Sources</i> , 2020, 477, 228650.	7.8	8
38	Machine Learning-Based Vehicle Model Construction and Validation—Toward Optimal Control Strategy Development for Plug-In Hybrid Electric Vehicles. <i>IEEE Transactions on Transportation Electrification</i> , 2022, 8, 1590-1603.	7.8	8
39	Determination of vehicle working modes for global optimization energy management and evaluation of the economic performance for a certain control strategy. <i>Energy</i> , 2022, 251, 123825.	8.8	8
40	Reinforcement-Learning-Based Decision and Control for Autonomous Vehicle at Two-Way Single-Lane Unsignalized Intersection. <i>Electronics (Switzerland)</i> , 2022, 11, 1203.	3.1	7
41	Design, Control, and Validation of Two-Speed Clutchless Automatic Transmission for Electric Vehicle. <i>IEEE/ASME Transactions on Mechatronics</i> , 2022, 27, 1299-1310.	5.8	6
42	Integrated Velocity Prediction Method and Application in Vehicle-Environment Cooperative Control Based on Internet of Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 2639-2654.	6.3	6
43	Energy Management Strategy Based on a Novel Speed Prediction Method. <i>Sensors</i> , 2021, 21, 8273.	3.8	6
44	An Economical Route Planning Method for Plug-In Hybrid Electric Vehicle in Real World. <i>Energies</i> , 2017, 10, 1775.	3.1	5
45	An Optimal Control Strategy for Plug-In Hybrid Electric Vehicles Based on Enhanced Model Predictive Control With Efficient Numerical Method. <i>IEEE Transactions on Transportation Electrification</i> , 2022, 8, 2516-2530.	7.8	4
46	Protocol for state-of-health prediction of lithium-ion batteries based on machine learning. <i>STAR Protocols</i> , 2022, 3, 101272.	1.2	4
47	State of Charge Estimation for Lithium-Ion Battery Based on Hybrid Compensation Modeling and Adaptive H-Infinity Filter. <i>IEEE Transactions on Transportation Electrification</i> , 2023, 9, 945-957.	7.8	3
48	A driving cycle construction methodology combining Markov chain with variation parameters and Monte Carlo. , 2020, , .		0