

Chao Yang

List of Publications by Year in descending order

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60
papers

2,177
citations

236612

25
h-index

233125

45
g-index

60
all docs

60
docs citations

60
times ranked

1276
citing authors

#	ARTICLE	IF	CITATIONS
1	A swarm intelligence-based predictive regenerative braking control strategy for hybrid electric vehicle. <i>Vehicle System Dynamics</i> , 2022, 60, 973-997.	2.2	20
2	An Intelligent Lane-Changing Behavior Prediction and Decision-Making Strategy for an Autonomous Vehicle. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 2927-2937.	5.2	52
3	A multi-objective optimization energy management strategy for power split HEV based on velocity prediction. <i>Energy</i> , 2022, 238, 121714.	4.5	27
4	An adaptive firework algorithm optimization-based intelligent energy management strategy for plug-in hybrid electric vehicles. <i>Energy</i> , 2022, 239, 122120.	4.5	24
5	An Optimization-Based Path Planning Approach for Autonomous Vehicles Using the DynEFA-Artificial Potential Field. <i>IEEE Transactions on Intelligent Vehicles</i> , 2022, 7, 263-272.	9.4	47
6	An efficient optimal sizing strategy for a hybrid electric air-ground vehicle using adaptive spiral optimization algorithm. <i>Journal of Power Sources</i> , 2022, 517, 230704.	4.0	16
7	Adaptive Model Predictive Control-Based Path Following Control for Four-Wheel Independent Drive Automated Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 14399-14412.	4.7	21
8	Power reserve predictive control strategy for hybrid electric vehicle using recognition-based long short-term memory network. <i>Journal of Power Sources</i> , 2022, 520, 230865.	4.0	11
9	A Game-Learning-Based Smooth Path Planning Strategy for Intelligent Air-Ground Vehicle Considering Mode Switching. <i>IEEE Transactions on Transportation Electrification</i> , 2022, 8, 3349-3366.	5.3	15
10	An Adaptive Constrained Path Following Control Scheme for Autonomous Electric Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 3569-3578.	3.9	7
11	Integrated optimal scheduling of direct current distribution systems and direct current driven HVAC in buildings. , 2022, , .		0
12	A Path Following Lateral Control Scheme for Four-Wheel Independent Drive Autonomous Vehicle Using Sliding Mode Prediction Control. <i>IEEE Transactions on Transportation Electrification</i> , 2022, 8, 3192-3207.	5.3	17
13	Online learning predictive power coordinated control strategy for off-road hybrid electric vehicles considering the dynamic response of engine generator set. <i>Applied Energy</i> , 2022, 323, 119592.	5.1	7
14	An enhanced hypotrochoid spiral optimization algorithm based intertwined optimal sizing and control strategy of a hybrid electric air-ground vehicle. <i>Energy</i> , 2022, 257, 124749.	4.5	4
15	An efficient vehicle-following predictive energy management strategy for PHEV based on improved sequential quadratic programming algorithm. <i>Energy</i> , 2021, 219, 119595.	4.5	31
16	A Double-Deep Q-Network-Based Energy Management Strategy for Hybrid Electric Vehicles under Variable Driving Cycles. <i>Energy Technology</i> , 2021, 9, 2000770.	1.8	12
17	Cyber Physical Energy Optimization Control Design for PHEVs Based on Enhanced Firework Algorithm. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 282-291.	3.9	24
18	Model-Based Double Closed-Loop Coordinated Control Strategy for the Electro-Mechanical Transmission System of Heavy Power-Split HEVs. <i>Automotive Innovation</i> , 2021, 4, 44-55.	3.1	9

#	ARTICLE	IF	CITATIONS
19	Motor-Temperature-Aware Predictive Energy Management Strategy for Plug-In Hybrid Electric Vehicles Using Rolling Game Optimization. IEEE Transactions on Transportation Electrification, 2021, 7, 2209-2223.	5.3	30
20	A multi-objective power flow optimization control strategy for a power split plug-in hybrid electric vehicle using game theory. Science China Technological Sciences, 2021, 64, 2718-2728.	2.0	8
21	An Adaptive Model Predictive Control Strategy for Path Following of Autonomous Vehicles Based on Tire Cornering Stiffness Estimation. , 2021, , .		1
22	A Power Distribution Strategy for Heavy Duty HEV with Series Hybrid Powertrain based on Model Predictive Control Method. IFAC-PapersOnLine, 2021, 54, 72-77.	0.5	0
23	Application of Digital Twin Technology in Intelligent Building Energy Efficiency Management System. , 2021, , .		2
24	Radar and Camera Fusion based Moving Obstacle Tracking for Automated Vehicles. , 2021, , .		1
25	Event-triggered intelligent energy management strategy for plug-in hybrid electric buses based on vehicle cloud optimisation. IET Intelligent Transport Systems, 2020, 14, 1153-1162.	1.7	14
26	Trajectory Tracking Control of Four-Wheel Independent Drive Electric Vehicles*. , 2020, , .		0
27	Efficient energy management strategy for hybrid electric vehicles/plug-in hybrid electric vehicles: review and recent advances under intelligent transportation system. IET Intelligent Transport Systems, 2020, 14, 702-711.	1.7	135
28	An Adaptive Stochastic Model Predictive Control Strategy for Plug-in Hybrid Electric Bus During Vehicle-Following Scenario. IEEE Access, 2020, 8, 13887-13897.	2.6	21
29	A Convolutional Neural Network-Based Driving Cycle Prediction Method for Plug-in Hybrid Electric Vehicles With Bus Route. IEEE Access, 2020, 8, 3255-3264.	2.6	17
30	A Stochastic Predictive Energy Management Strategy for Plug-in Hybrid Electric Vehicles Based on Fast Rolling Optimization. IEEE Transactions on Industrial Electronics, 2020, 67, 9659-9670.	5.2	90
31	Efficient Mode Transition Control for Parallel Hybrid Electric Vehicle With Adaptive Dual-Loop Control Framework. IEEE Transactions on Vehicular Technology, 2020, 69, 1519-1532.	3.9	56
32	An effective regenerative braking strategy based on the combination algorithm of particle swarm optimization and ant colony optimization for electrical vehicle. , 2019, , .		2
33	Generalized Inverse Optimal Power Flow Calculation of Electrothermal Coupled Multi-energy Flow System Contained Ground Source Heat Pump. , 2019, , .		0
34	Power Flow Calculation of Shipboard DC Microgrid Power System. , 2019, , .		1
35	Ultrasonic microscopy method for coating and interface bonding quality detection. , 2019, , .		1
36	Ultrasonic microscopy system performance calibration technology. , 2019, , .		0

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37	Temporal-Difference Learning-Based Stochastic Energy Management for Plug-in Hybrid Electric Buses. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 2378-2388.	4.7	29
38	Structure Optimization and Generalized Dynamics Control of Hybrid Electric Vehicles. , 2018, , 207-244.		1
39	A robust H _∞ control-based hierarchical mode transition control system for plug-in hybrid electric vehicle. Mechanical Systems and Signal Processing, 2018, 99, 326-344.	4.4	58
40	Selective Protection Configuration Strategy for Hybrid AC/DC Shipboard Power System. , 2018, , .		1
41	City-Bus-Route Demand-based Efficient Coupling Driving Control for Parallel Plug-in Hybrid Electric Bus. Chinese Journal of Mechanical Engineering (English Edition), 2018, 31, .	1.9	3
42	Cloud computing-based energy optimization control framework for plug-in hybrid electric bus. Energy, 2017, 125, 11-26.	4.5	78
43	Adaptive real-time optimal energy management strategy based on equivalent factors optimization for plug-in hybrid electric vehicle. Applied Energy, 2017, 203, 883-896.	5.1	135
44	A novel combinatorial optimization algorithm for energy management strategy of plug-in hybrid electric vehicle. Journal of the Franklin Institute, 2017, 354, 6588-6609.	1.9	32
45	Surface acoustic wave propagation in the variable-thickness complex shape components. , 2016, , .		0
46	Economical launching and accelerating control strategy for a single-shaft parallel hybrid electric bus. Mechanical Systems and Signal Processing, 2016, 76-77, 649-664.	4.4	39
47	Identification of a driver's starting intention based on an artificial neural network for vehicles equipped with an automated manual transmission. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2016, 230, 1417-1429.	1.1	19
48	Model predictive control-based efficient energy recovery control strategy for regenerative braking system of hybrid electric bus. Energy Conversion and Management, 2016, 111, 299-314.	4.4	157
49	Application-Oriented Stochastic Energy Management for Plug-in Hybrid Electric Bus With AMT. IEEE Transactions on Vehicular Technology, 2016, 65, 4459-4470.	3.9	47
50	Hierarchical Control of Dry Clutch for Engine-Start Process in a Parallel Hybrid Electric Vehicle. IEEE Transactions on Transportation Electrification, 2016, 2, 231-243.	5.3	55
51	Multi-objective Stochastic MPC-based System Control Architecture for Plug-in Hybrid Electric Buses. IEEE Transactions on Industrial Electronics, 2016, , 1-1.	5.2	60
52	Multimode Energy Management for Plug-In Hybrid Electric Buses Based on Driving Cycles Prediction. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 2811-2821.	4.7	58
53	Driving-behavior-aware stochastic model predictive control for plug-in hybrid electric buses. Applied Energy, 2016, 162, 868-879.	5.1	201
54	A hybrid algorithm combining EKF and RLS in synchronous estimation of road grade and vehicle's mass for a hybrid electric bus. Mechanical Systems and Signal Processing, 2016, 68-69, 416-430.	4.4	67

#	ARTICLE	IF	CITATIONS
55	Robust coordinated control for hybrid electric bus with single-shaft parallel hybrid powertrain. IET Control Theory and Applications, 2015, 9, 270-282.	1.2	73
56	Hybrid genetic algorithm-based optimization of powertrain and control parameters of plug-in hybrid electric bus. Journal of the Franklin Institute, 2015, 352, 776-801.	1.9	67
57	Correctional DP-Based Energy Management Strategy of Plug-In Hybrid Electric Bus for City-Bus Route. IEEE Transactions on Vehicular Technology, 2015, 64, 2792-2803.	3.9	206
58	A hybrid dynamic programming-rule based algorithm for real-time energy optimization of plug-in hybrid electric bus. Science China Technological Sciences, 2014, 57, 2542-2550.	2.0	43
59	Electromechanical coupling driving control for single-shaft parallel hybrid powertrain. Science China Technological Sciences, 2014, 57, 541-549.	2.0	25
60	A mass and road slope integrated estimation strategy based on the joint iteration of least square method and Sage-Husa adaptive filter for autonomous logistics vehicle. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 0, , 095440702110417.	1.1	0