

# Ningyuan Guo

## List of Publications by Year in descending order

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31  
papers

889  
citations

471509

17  
h-index

642732

23  
g-index

31  
all docs

31  
docs citations

31  
times ranked

493  
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time predictive energy management of plug-in hybrid electric vehicles for coordination of fuel economy and battery degradation. <i>Energy</i> , 2021, 214, 119070.	8.8	123
2	A Real-Time Nonlinear Model Predictive Controller for Yaw Motion Optimization of Distributed Drive Electric Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 4935-4946.	6.3	106
3	A Computationally Efficient Path-Following Control Strategy of Autonomous Electric Vehicles With Yaw Motion Stabilization. <i>IEEE Transactions on Transportation Electrification</i> , 2020, 6, 728-739.	7.8	90
4	A Hierarchical Energy Management Strategy for Power-Split Plug-in Hybrid Electric Vehicles Considering Velocity Prediction. <i>IEEE Access</i> , 2018, 6, 33261-33274.	4.2	60
5	A Supervisory Control Strategy of Distributed Drive Electric Vehicles for Coordinating Handling, Lateral Stability, and Energy Efficiency. <i>IEEE Transactions on Transportation Electrification</i> , 2021, 7, 2488-2504.	7.8	59
6	Bi-level Energy Management of Plug-in Hybrid Electric Vehicles for Fuel Economy and Battery Lifetime with Intelligent State-of-charge Reference. <i>Journal of Power Sources</i> , 2021, 481, 228798.	7.8	38
7	Heuristic Energy Management Strategy of Hybrid Electric Vehicle Based on Deep Reinforcement Learning With Accelerated Gradient Optimization. <i>IEEE Transactions on Transportation Electrification</i> , 2021, 7, 2194-2208.	7.8	34
8	Energy management for a hybrid electric vehicle based on prioritized deep reinforcement learning framework. <i>Energy</i> , 2022, 241, 122523.	8.8	34
9	Comparisons of Energy Management Methods for a Parallel Plug-In Hybrid Electric Vehicle between the Convex Optimization and Dynamic Programming. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 218.	2.5	31
10	Energy management for plug-in hybrid electric vehicles considering optimal engine ON/OFF control and fast state-of-charge trajectory planning. <i>Energy</i> , 2018, 163, 457-474.	8.8	30
11	A fast model predictive control allocation of distributed drive electric vehicles for tire slip energy saving with stability constraints. <i>Control Engineering Practice</i> , 2020, 102, 104554.	5.5	30
12	Predictive Energy Management of Plug-in Hybrid Electric Vehicles by Real-Time Optimization and Data-Driven Calibration. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 5677-5691.	6.3	30
13	A Systematic Framework for State of Charge, State of Health and State of Power Co-Estimation of Lithium-Ion Battery in Electric Vehicles. <i>Sustainability</i> , 2021, 13, 5166.	3.2	27
14	Cost-optimal energy management strategy for plug-in hybrid electric vehicles with variable horizon speed prediction and adaptive state-of-charge reference. <i>Energy</i> , 2021, 232, 120993.	8.8	27
15	An integrated control strategy of path following and lateral motion stabilization for autonomous distributed drive electric vehicles. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2021, 235, 1164-1179.	1.9	24
16	High robustness energy management strategy of hybrid electric vehicle based on improved soft actor-critic deep reinforcement learning. <i>Energy</i> , 2022, 258, 124806.	8.8	23
17	Data-Driven Based Cruise Control of Connected and Automated Vehicles Under Cyber-Physical System Framework. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 6307-6319.	8.0	20
18	Predictive Eco-Driving Application Considering Real-World Traffic Flow. <i>IEEE Access</i> , 2020, 8, 82187-82200.	4.2	17

#	ARTICLE	IF	CITATIONS
19	A Cruise Control Method for Connected Vehicle Systems Considering Side Vehicles Merging Behavior. IEEE Access, 2019, 7, 6922-6936.	4.2	16
20	Co-optimization strategy of unmanned hybrid electric tracked vehicle combining eco-driving and simultaneous energy management. Energy, 2022, 246, 123309.	8.8	16
21	Battery Pack Grouping and Capacity Improvement for Electric Vehicles Based on a Genetic Algorithm. Energies, 2017, 10, 439.	3.1	10
22	An Optimized Rule Based Energy Management Strategy for a Fuel Cell/Battery Vehicle. , 2017, , .		10
23	Study on braking energy recovery efficiency of electric vehicles equipped with super capacitor. , 2017, , .		8
24	Multi-Objective Motion Control Optimization for the Bridge Crane System. Applied Sciences (Switzerland), 2018, 8, 473.	2.5	8
25	Online Updating Energy Management Strategy Based on Deep Reinforcement Learning With Accelerated Training for Hybrid Electric Tracked Vehicles. IEEE Transactions on Transportation Electrification, 2022, 8, 3289-3306.	7.8	6
26	An Integrated Path-following and Yaw Motion Control Strategy for Autonomous Distributed Drive Electric Vehicles with Differential Steering. , 2019, , .		4
27	Energy management for plug-in hybrid electric vehicles based on quadratic programming with optimized engine on-off sequence. , 2017, , .		3
28	Computationally Efficient Nonlinear Model Predictive Controller for Energy Management of Tracked Hybrid Electric Vehicles. , 2019, , .		2
29	A Novel Velocity Forecast Method for Improving Predictive Energy Management of Plug-In Hybrid Electric Vehicles. , 2017, , .		1
30	A novel anti-swing system design using MPC controller with guaranteed constraints. , 2017, , .		1
31	Rule-Based Online Energy Management Strategy for Power-Split Plug-In Hybrid Electric Vehicles. , 2018, , .		1