Zhitao Liu

List of Publications by Year
in descending order

45 papers	3,491 citations	430874 18 h-index	315739 38 g-index
45 all docs	45 docs citations	45 times ranked	1953 citing authors

#	Article	IF	Citations
1	Intelligent Path Planning Strategy for Electric Vehicles Combined With Urban Electrified Transportation Network and Power Grid. IEEE Systems Journal, 2022, 16, 2437-2447.	4.6	4
2	Passivity-Based PI Control for Receiver Side of Dynamic Wireless Charging System in Electric Vehicles. IEEE Transactions on Industrial Electronics, 2022, 69, 783-794.	7.9	36
3	Current Sharing Based on Incremental Passivity and Unknown Load Finite-Time Estimation for Multilevel Connected DC–DC Converters. IEEE Transactions on Industrial Electronics, 2022, 69, 713-724.	7.9	3
4	Integrated pricing strategy for coordinating load levels in coupled power and transportation networks. Applied Energy, 2022, 307, 118100.	10.1	7
5	Passivity-Based Control for Interleaved Double Dual Boost Converters in DC Microgrids Supplying Constant Power Loads. IEEE Transactions on Transportation Electrification, 2022, 8, 1642-1655.	7.8	9
6	An Optimized Coil Array and Passivity-Based Control for Receiving Side Multilevel Connected DC-DC Converter of Dynamic Wireless Charging. IEEE Transactions on Vehicular Technology, 2022, 71, 3715-3726.	6.3	9
7	Bi-level framework for microgrid capacity planning under dynamic wireless charging of electric vehicles. International Journal of Electrical Power and Energy Systems, 2022, 141, 108204.	5.5	14
8	Distributed Robust Event-Triggered Adaptive Control for a Class of Uncertain Nonlinear Multi-Agent Systems with Actuator Saturation. Journal of the Franklin Institute, 2022, , .	3.4	0
9	Collaborative strategy of dynamic wireless charging electric vehicles and hybrid power system in microgrid. International Journal of Electrical Power and Energy Systems, 2022, 143, 108368.	5.5	4
10	Model predictive control with fractional-order delay compensation for fast sampling systems. Science China Information Sciences, 2021, 64, 1.	4.3	5
11	An intelligent thermal management system for optimized lithium-ion battery pack. Applied Thermal Engineering, 2021, 189, 116767.	6.0	50
12	Dynamic analysis and coupling control of underactuated flight vehicles with single moving mass. Aerospace Science and Technology, 2021, 116, 106854.	4.8	6
13	Distributed event-triggered adaptive control for second-order nonlinear uncertain multi-agent systems. Chinese Journal of Aeronautics, 2021, 34, 237-247.	5.3	13
14	Feedback Linearization Control for the Receiving-Side Buck Converter of Dynamic Wireless Charging System of Electric Vehicles. , 2021, , .		2
15	Robust Cooperative Output Regulation of Heterogeneous Uncertain Linear Multiagent Systems With Time-Varying Communication Topologies. IEEE Transactions on Automatic Control, 2020, 65, 4340-4347.	5.7	12
16	An Optimal Fast-Charging Strategy for Lithium-Ion Batteries via an Electrochemical–Thermal Model with Intercalation-Induced Stresses and Film Growth. Energies, 2020, 13, 2388.	3.1	15
17	Model Predictive Control for the Receiving-Side DC–DC Converter of Dynamic Wireless Power Transfer. IEEE Transactions on Power Electronics, 2020, 35, 8985-8997.	7.9	67
18	Hybrid Output Regulation of DC-DC Converter for Dynamic Wireless Charging System. IFAC-PapersOnLine, 2020, 53, 6006-6011.	0.9	1

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19	Passivity-Based PI Control for AGVs Wireless Power Transfer System. IFAC-PapersOnLine, 2020, 53, 5801-5806.	0.9	3
20	Multi-Objective Optimization of the Wireless Power Transfer System for Electric Vehicles. , 2020, , .		5
21	Event-Triggered Adaptive Control for a Class of Nonlinear Systems with Unknown Time-Varying Parameters. , 2020, , .		0
22	Design and demonstration of a dynamic wireless power transfer system for electric vehicles. Science China Information Sciences, 2019, 62, 1.	4.3	8
23	Indirect Adaptive Robust Trajectory Tracking Control of Hard Rock TBM with Load Variation of Tunneling Face. Chinese Journal of Mechanical Engineering (English Edition), 2019, 32, .	3.7	5
24	Eventâ€triggered robust adaptive control for discrete time uncertain systems with unmodelled dynamics and disturbances. IET Control Theory and Applications, 2019, 13, 3124-3131.	2.1	1
25	Event-triggered Output Feedback Control for a Class of Discrete-Time Nonlinear Systems. , 2019, , .		2
26	Real-Time Energy Management Strategy for Fuel Cell Range Extender Vehicles Based on Nonlinear Control. IEEE Transactions on Transportation Electrification, 2019, 5, 1294-1305.	7.8	65
27	Event-Triggered Output Feedback Control for a Class of Uncertain Nonlinear Systems. IEEE Transactions on Automatic Control, 2019, 64, 290-297.	5.7	254
28	PID Passivity-Based Control of Port-Hamiltonian Systems. IEEE Transactions on Automatic Control, 2018, 63, 1032-1044.	5.7	87
29	Dissipativityâ€based asynchronous control of discreteâ€time Markov jump systems with mixed time delays. International Journal of Robust and Nonlinear Control, 2018, 28, 2161-2171.	3.7	55
30	Closed-Loop Bifurcation Analysis for a Novel Moving Mass Flight Vehicle. International Journal of Aeronautical and Space Sciences, 2018, 19, 962-975.	2.0	5
31	Adaptive Stabilization of Discrete-Time Nonminimum Phase Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, , 1-6.	9.3	6
32	A new family of interconnection and damping assignment passivity-based controllers. International Journal of Robust and Nonlinear Control, 2017, 27, 50-65.	3.7	19
33	Event-Triggered Adaptive Control for a Class of Uncertain Nonlinear Systems. IEEE Transactions on Automatic Control, 2017, 62, 2071-2076.	5.7	914
34	Fuzzy model-based asynchronous Hˆž filter design of discrete-time Markov jump systems. Journal of the Franklin Institute, 2017, 354, 8444-8460.	3.4	33
35	Adaptive compensation for actuator failures with event-triggered input. Automatica, 2017, 85, 129-136.	5.0	272
36	Adaptive output feedback regulation for a class of nonlinear systems subject to input and output quantization. Journal of the Franklin Institute, 2017, 354, 6536-6549.	3.4	29

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37	PI simultaneous stabilization and set-point output regulation of Port-Hamiltonian systems. Journal of the Franklin Institute, 2017, 354, 8283-8292.	3.4	3
38	Robust adaptive output feedback control for uncertain nonlinear systems with quantized input. International Journal of Robust and Nonlinear Control, 2017, 27, 1999-2016.	3.7	23
39	Event-Based Consensus for Linear Multiagent Systems Without Continuous Communication. IEEE Transactions on Cybernetics, 2017, 47, 2132-2142.	9.5	126
40	Robust control for a class of uncertain nonlinear systems with input quantization. International Journal of Robust and Nonlinear Control, 2016, 26, 1585-1596.	3.7	68
41	Output feedback control for uncertain nonlinear systems with input quantization. Automatica, 2016, 65, 191-202.	5.0	192
42	Robust Adaptive Failure Compensation of Hysteretic Actuators for a Class of Uncertain Nonlinear Systems. IEEE Transactions on Automatic Control, 2013, 58, 2388-2394.	5.7	139
43	Robust Adaptive Control of Uncertain Nonlinear Systems in the Presence of Input Saturation and External Disturbance. IEEE Transactions on Automatic Control, 2011, 56, 1672-1678.	5.7	917
44	Bifurcation analysis for a novel flight vehicle with pitch-control single moving mass. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 0, , 095441002110232.	1.3	0
45	Event‑triggered controller design from the control input perspective. International Journal of Robust and Nonlinear Control, 0, , .	3.7	3