

# Zhitao Liu

## List of Publications by Year in descending order

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docs citations

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times ranked

1953  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Event-Triggered Adaptive Control for a Class of Uncertain Nonlinear Systems. IEEE Transactions on Automatic Control, 2017, 62, 2071-2076.	5.7	914
3	Adaptive compensation for actuator failures with event-triggered input. Automatica, 2017, 85, 129-136.	5.0	272
4	Event-Triggered Output Feedback Control for a Class of Uncertain Nonlinear Systems. IEEE Transactions on Automatic Control, 2019, 64, 290-297.	5.7	254
5	Output feedback control for uncertain nonlinear systems with input quantization. Automatica, 2016, 65, 191-202.	5.0	192
6	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
7	Event-Based Consensus for Linear Multiagent Systems Without Continuous Communication. IEEE Transactions on Cybernetics, 2017, 47, 2132-2142.	9.5	126
8	PID Passivity-Based Control of Port-Hamiltonian Systems. IEEE Transactions on Automatic Control, 2018, 63, 1032-1044.	5.7	87
9	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
10	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
11	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
12	Dissipativity-based asynchronous control of discrete-time Markov jump systems with mixed time delays. International Journal of Robust and Nonlinear Control, 2018, 28, 2161-2171.	3.7	55
13	An intelligent thermal management system for optimized lithium-ion battery pack. Applied Thermal Engineering, 2021, 189, 116767.	6.0	50
14	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
15	Fuzzy model-based asynchronous H <sub>∞</sub> filter design of discrete-time Markov jump systems. Journal of the Franklin Institute, 2017, 354, 8444-8460.	3.4	33
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	An Optimal Fast-Charging Strategy for Lithium-Ion Batteries via an Electrochemical-Thermal Model with Intercalation-Induced Stresses and Film Growth. <i>Energies</i> , 2020, 13, 2388.	3.1	15
20	Bi-level framework for microgrid capacity planning under dynamic wireless charging of electric vehicles. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 141, 108204.	5.5	14
21	Distributed event-triggered adaptive control for second-order nonlinear uncertain multi-agent systems. <i>Chinese Journal of Aeronautics</i> , 2021, 34, 237-247.	5.3	13
22	Robust Cooperative Output Regulation of Heterogeneous Uncertain Linear Multiagent Systems With Time-Varying Communication Topologies. <i>IEEE Transactions on Automatic Control</i> , 2020, 65, 4340-4347.	5.7	12
23	Passivity-Based Control for Interleaved Double Dual Boost Converters in DC Microgrids Supplying Constant Power Loads. <i>IEEE Transactions on Transportation Electrification</i> , 2022, 8, 1642-1655.	7.8	9
24	An Optimized Coil Array and Passivity-Based Control for Receiving Side Multilevel Connected DC-DC Converter of Dynamic Wireless Charging. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 3715-3726.	6.3	9
25	Design and demonstration of a dynamic wireless power transfer system for electric vehicles. <i>Science China Information Sciences</i> , 2019, 62, 1.	4.3	8
26	Integrated pricing strategy for coordinating load levels in coupled power and transportation networks. <i>Applied Energy</i> , 2022, 307, 118100.	10.1	7
27	Adaptive Stabilization of Discrete-Time Nonminimum Phase Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018, , 1-6.	9.3	6
28	Dynamic analysis and coupling control of underactuated flight vehicles with single moving mass. <i>Aerospace Science and Technology</i> , 2021, 116, 106854.	4.8	6
29	Closed-Loop Bifurcation Analysis for a Novel Moving Mass Flight Vehicle. <i>International Journal of Aeronautical and Space Sciences</i> , 2018, 19, 962-975.	2.0	5
30	Indirect Adaptive Robust Trajectory Tracking Control of Hard Rock TBM with Load Variation of Tunneling Face. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2019, 32, .	3.7	5
31	Model predictive control with fractional-order delay compensation for fast sampling systems. <i>Science China Information Sciences</i> , 2021, 64, 1.	4.3	5
32	Multi-Objective Optimization of the Wireless Power Transfer System for Electric Vehicles. , 2020, , .		5
33	Intelligent Path Planning Strategy for Electric Vehicles Combined With Urban Electrified Transportation Network and Power Grid. <i>IEEE Systems Journal</i> , 2022, 16, 2437-2447.	4.6	4
34	Collaborative strategy of dynamic wireless charging electric vehicles and hybrid power system in microgrid. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 143, 108368.	5.5	4
35	PI simultaneous stabilization and set-point output regulation of Port-Hamiltonian systems. <i>Journal of the Franklin Institute</i> , 2017, 354, 8283-8292.	3.4	3
36	Current Sharing Based on Incremental Passivity and Unknown Load Finite-Time Estimation for Multilevel Connected DC-DC Converters. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 713-724.	7.9	3

#	ARTICLE	IF	CITATIONS
37	Passivity-Based PI Control for ACVs Wireless Power Transfer System. IFAC-PapersOnLine, 2020, 53, 5801-5806.	0.9	3
38	Event-triggered controller design from the control input perspective. International Journal of Robust and Nonlinear Control, 0, , .	3.7	3
39	Event-triggered Output Feedback Control for a Class of Discrete-Time Nonlinear Systems. , 2019, , .		2
40	Feedback Linearization Control for the Receiving-Side Buck Converter of Dynamic Wireless Charging System of Electric Vehicles. , 2021, , .		2
41	Event-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
42	Hybrid Output Regulation of DC-DC Converter for Dynamic Wireless Charging System. IFAC-PapersOnLine, 2020, 53, 6006-6011.	0.9	1
43	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
44	Event-Triggered Adaptive Control for a Class of Nonlinear Systems with Unknown Time-Varying Parameters. , 2020, , .		0
45	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