

Chenliang Wang

List of Publications by Year in descending order

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49
papers

2,059
citations

331670

21
h-index

330143

37
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49
all docs

49
docs citations

49
times ranked

1302
citing authors

#	ARTICLE	IF	CITATIONS
1	Decentralized adaptive tracking control for a class of interconnected nonlinear time-varying systems. <i>Automatica</i> , 2015, 54, 16-24.	5.0	256
2	Adaptive trajectory tracking control of output constrained multi-rotors systems. <i>IET Control Theory and Applications</i> , 2014, 8, 1163-1174.	2.1	219
3	Adaptive Actuator Failure Compensation for a Class of Nonlinear Systems With Unknown Control Direction. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 385-392.	5.7	151
4	Adaptive Estimated Inverse Output-Feedback Quantized Control for Piezoelectric Positioning Stage. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 2106-2118.	9.5	125
5	Event-Triggered Adaptive Attitude Tracking Control for Spacecraft With Unknown Actuator Faults. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 2241-2250.	7.9	121
6	Decentralized adaptive tracking control for a class of interconnected nonlinear systems with input quantization. <i>Automatica</i> , 2017, 81, 359-368.	5.0	118
7	Decentralized adaptive backstepping control for a class of interconnected nonlinear systems with unknown actuator failures. <i>Journal of the Franklin Institute</i> , 2015, 352, 835-850.	3.4	99
8	Decentralized Adaptive Neural Approximated Inverse Control for a Class of Large-Scale Nonlinear Hysteretic Systems With Time Delays. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 2424-2437.	9.3	99
9	Decentralized output-feedback adaptive control for a class of interconnected nonlinear systems with unknown actuator failures. <i>Automatica</i> , 2016, 71, 187-196.	5.0	96
10	Event-Triggered Adaptive Control for a Class of Nonlinear Systems With Unknown Control Direction and Sensor Faults. <i>IEEE Transactions on Automatic Control</i> , 2020, 65, 763-770.	5.7	86
11	Multivariable Adaptive Backstepping Control: A Norm Estimation Approach. <i>IEEE Transactions on Automatic Control</i> , 2012, 57, 989-995.	5.7	73
12	Compound Adaptive Fuzzy Quantized Control for Quadrotor and Its Experimental Verification. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 1121-1133.	9.5	69
13	Adaptive Control for Hypersonic Vehicles With Time-Varying Faults. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2018, 54, 1442-1455.	4.7	60
14	Adaptive backstepping control for air-breathing hypersonic vehicles with input nonlinearities. <i>Aerospace Science and Technology</i> , 2018, 73, 289-299.	4.8	60
15	Event-Based Formation Coordinated Control for Multiple Spacecraft Under Communication Constraints. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 3168-3179.	9.3	46
16	Adaptive Consensus Control for Nonlinear Multiagent Systems With Unknown Control Directions and Time-Varying Actuator Faults. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 4222-4229.	5.7	44
17	Distributed Adaptive Containment Control for a Class of Nonlinear Multiagent Systems With Input Quantization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 2419-2428.	11.3	42
18	Event-triggered adaptive control for attitude tracking of spacecraft. <i>Chinese Journal of Aeronautics</i> , 2019, 32, 454-462.	5.3	26

#	ARTICLE	IF	CITATIONS
19	Dynamic path planning and trajectory tracking using MPC for satellite with collision avoidance. ISA Transactions, 2019, 84, 128-141.	5.7	25
20	Adaptive dynamic surface control for MIMO nonlinear time-varying systems with prescribed tracking performance. International Journal of Control, 2015, 88, 832-843.	1.9	24
21	Output-feedback adaptive consensus tracking control for a class of high-order nonlinear multi-agent systems. International Journal of Robust and Nonlinear Control, 2017, 27, 4931-4948.	3.7	23
22	Attitude Coordination Control for Spacecraft With Disturbances and Event-Triggered Communication. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 586-596.	4.7	23
23	Multivariable adaptive control with unknown signs of the high-frequency gain matrix using novel Nussbaum functions. Automatica, 2020, 111, 108618.	5.0	20
24	Adaptive Consensus Control for Nonlinear Multiagent Systems With Unknown Control Directions Using Event-Triggered Communication. IEEE Transactions on Cybernetics, 2022, 52, 3057-3068.	9.5	18
25	Adaptive cooperative tracking control for a class of nonlinear time-varying multi-agent systems. Journal of the Franklin Institute, 2017, 354, 6766-6782.	3.4	17
26	Event-triggered adaptive fault-tolerant control for nonlinear systems fusing static and dynamic information. Journal of the Franklin Institute, 2019, 356, 248-267.	3.4	15
27	Adaptive compensation for infinite number of actuator failures with an application to flight control. International Journal of Adaptive Control and Signal Processing, 2016, 30, 443-455.	4.1	14
28	Output-feedback adaptive control for a class of MIMO nonlinear systems with actuator and sensor faults. Journal of the Franklin Institute, 2020, 357, 7962-7982.	3.4	13
29	Adaptive control with prescribed tracking performance for hypersonic flight vehicles in the presence of unknown elevator faults. International Journal of Control, 2019, 92, 1682-1691.	1.9	11
30	Output-feedback robust adaptive backstepping control for a class of multivariable nonlinear systems with guaranteed tracking performance. International Journal of Robust and Nonlinear Control, 2013, 23, 2082-2096.	3.7	10
31	Adaptive Neural Network Control for a Class of Nonlinear Systems With Unknown Control Direction. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4708-4718.	9.3	10
32	A bionic point-source polarisation sensor applied to underwater orientation. Journal of Navigation, 2021, 74, 1057-1072.	1.7	10
33	Robust adaptive neural control for a class of uncertain MIMO nonlinear systems. International Journal of Systems Science, 2015, 46, 1934-1943.	5.5	6
34	Safe approaching control for spacecraft rendezvous with disturbances: A positive system approach. Asian Journal of Control, 2022, 24, 2258-2272.	3.0	6
35	Stabilisation of positive systems with generalised disturbances. IET Control Theory and Applications, 2019, 13, 2318-2325.	2.1	6
36	Robust Stabilization for a Class of Nonlinear Positive Systems With Multiple Disturbances. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4611-4622.	9.3	4

#	ARTICLE	IF	CITATIONS
37	Adaptive quantized attitude control for spacecraft with input saturation. , 2017, , .		3
38	Event-triggered controller design from the control input perspective. International Journal of Robust and Nonlinear Control, 0, , .	3.7	3
39	Adaptive containment control for a class of multi-agent systems with unknown actuator failures. , 2016, , .		2
40	Composite Antidisturbance Control for Non-Gaussian Stochastic Systems via Information-Theoretic Learning Technique. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 7644-7654.	11.3	2
41	Event-Triggered Adaptive Control for a Class of Nonlinear Pure-Feedback Systems. , 2019, , .		1
42	A Sensorless Haptic Force Estimation Method and Its Application to Uncertain Robotic Manipulators. , 2021, , .		1
43	Composite Anti-Disturbance Dynamic Regulation for Systems With Multiple Disturbances: From Stability to Balance. , 2021, , .		1
44	Attitude Tracking Control for Hypersonic Flight Vehicles Based on Sliding Mode Observers. , 2021, , .		1
45	Neural Adaptive Fault-Tolerant Control for Attitude Tracking of Spacecraft. , 2018, , .		0
46	Adaptive Fault-Tolerant Control for Free-Floating Space Manipulator with Parameter Uncertainties. , 2019, , .		0
47	Composite Anti-Disturbance Control of Positive Markov Jump Systems With Disturbances and Time-Varying Delay. , 2021, , .		0
48	Adaptive attitude coordination control for spacecraft with actuator faults and external disturbances. , 2020, , .		0
49	Asymptotic Attitude Tracking Control for Uncertain Spacecraft With Multiple Disturbances: A Composite Anti-Disturbance Approach. , 2021, , .		0