

# Hongjiu Yang

## List of Publications by Year in descending order

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129  
papers

2,692  
citations

172457

29  
h-index

214800

47  
g-index

129  
all docs

129  
docs citations

129  
times ranked

2146  
citing authors

#	ARTICLE	IF	CITATIONS
1	Asynchronous Information Fusion in Intelligent Driving Systems for Target Tracking Using Cameras and Radars. IEEE Transactions on Industrial Electronics, 2023, 70, 2708-2717.	7.9	6
2	Formation Control of Wheeled Mobile Robots With Multiple Virtual Leaders Under Communication Failures. IEEE Transactions on Control Systems Technology, 2023, 31, 295-305.	5.2	4
3	Resilient Control for Wireless Cyber-Physical Systems Subject to Jamming Attacks: A Cross-Layer Dynamic Game Approach. IEEE Transactions on Cybernetics, 2022, 52, 2599-2608.	9.5	5
4	Event-Triggered Distributed Fusion for Multirate Multisensor Systems With Heavy-Tailed Noises. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3137-3150.	9.3	5
5	Distributed Stochastic MPC for Networked Linear Systems With a Multirate Sampling Mechanism. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2250-2261.	9.3	4
6	Extended State Functional Observer-Based Event-Driven Disturbance Rejection Control for Discrete-Time Systems. IEEE Transactions on Cybernetics, 2022, 52, 6949-6958.	9.5	5
7	Fixed-Time Formation Control for Wheeled Mobile Robots With Prescribed Performance. IEEE Transactions on Control Systems Technology, 2022, 30, 844-851.	5.2	23
8	Composite Nonlinear Path-Following Control for Unmanned Ground Vehicles With Anti-Windup ESO. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5865-5876.	9.3	14
9	Trajectory Tracking and Obstacle Avoidance for Wheeled Mobile Robots Based on EMPC With an Adaptive Prediction Horizon. IEEE Transactions on Cybernetics, 2022, 52, 13536-13545.	9.5	10
10	Adaptive longitudinal control for multivehicle cooperative systems with actuator saturation under road bumps. International Journal of Robust and Nonlinear Control, 2022, 32, 3361-3385.	3.7	4
11	An adaptive fast super-twisting disturbance observer-based dual closed-loop attitude control with fixed-time convergence for UAV. Journal of the Franklin Institute, 2022, 359, 2514-2540.	3.4	8
12	ESO-based lateral control for electrical vehicles with unmodeled tire dynamics on uneven road. Mechanical Systems and Signal Processing, 2022, 177, 109132.	8.0	2
13	$H_\infty$ Static Output Feedback for Low-Frequency Networked Control Systems With a Decentralized Event-Triggered Scheme. IEEE Transactions on Cybernetics, 2021, 51, 4227-4236.	9.5	8
14	Resilient State Estimation of Cyber-Physical System With Multichannel Transmission Under DoS Attack. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6926-6937.	9.3	40
15	Leader-Follower Trajectory Control for Quadrotors via Tracking Differentiators and Disturbance Observers. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 601-609.	9.3	24
16	Predictive Cloud Control for Networked Multiagent Systems With Quantized Signals Under DoS Attacks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 1345-1353.	9.3	46
17	Event-Triggered Active MPC for Nonlinear Multiagent Systems With Packet Losses. IEEE Transactions on Cybernetics, 2021, 51, 3093-3102.	9.5	24
18	Cooperative control for multiple quadrotors under position deviations and aerodynamic drag. Mechanical Systems and Signal Processing, 2021, 147, 107096.	8.0	12

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19	Stochastic Event-Triggered Distributed Fusion Estimation Under Jamming Attacks. IEEE Transactions on Signal and Information Processing Over Networks, 2021, 7, 309-321.	2.8	8
20	The safety region-based model predictive control for discrete-time systems under deception attacks. International Journal of Systems Science, 2021, 52, 2144-2160.	5.5	5
21	Model predictive longitudinal control for autonomous electric vehicles with tracking differentiator. International Journal of Systems Science, 2021, 52, 2564-2579.	5.5	7
22	Event-triggered model predictive control for multi-vehicle systems with collision avoidance and obstacle avoidance. International Journal of Robust and Nonlinear Control, 2021, 31, 5476-5494.	3.7	12
23	Composite control for trajectory tracking of wheeled mobile robots with NLESO and NTSMC. IET Control Theory and Applications, 2021, 15, 1686-1694.	2.1	2
24	Multiple Input Regulation Design for a Class of Linear Systems with Single Output. , 2021, , .		0
25	Resilient strategy design for cyber-physical system under active eavesdropping attack. Journal of the Franklin Institute, 2021, 358, 5281-5304.	3.4	4
26	Adaptive super-twisting trajectory tracking control for an unmanned aerial vehicle under gust winds. Aerospace Science and Technology, 2021, 115, 106833.	4.8	25
27	Distributed Kalman Filtering Over Sensor Networks With Transmission Delays. IEEE Transactions on Cybernetics, 2021, 51, 5511-5521.	9.5	29
28	Networked Trajectory Tracking Control for a Nonlinear Wheeled Mobile Robot. , 2021, , .		0
29	Finite-Time Motion Control with Full-State Constraints for Autonomous Ground Vehicles on Curved Roads. , 2021, , .		0
30	A complete stability analysis for planar delta operator systems subject to state saturation. Asian Journal of Control, 2020, 22, 1537-1546.	3.0	3
31	Dual closed-loop tracking control for wheeled mobile robots via active disturbance rejection control and model predictive control. International Journal of Robust and Nonlinear Control, 2020, 30, 80-99.	3.7	19
32	Stackelberg-Game-Based Defense Analysis Against Advanced Persistent Threats on Cloud Control System. IEEE Transactions on Industrial Informatics, 2020, 16, 1571-1580.	11.3	19
33	Stability analysis on networked control systems under double attacks with predictive control. International Journal of Robust and Nonlinear Control, 2020, 30, 1549-1563.	3.7	15
34	Dynamic Pricing-Based Resilient Strategy Design for Cloud Control System Under Jamming Attack. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 111-122.	9.3	13
35	Distributed secure estimation for cyber-physical systems with fading measurements and false data injection attacks. International Journal of Systems Science, 2020, 51, 2746-2766.	5.5	5
36	Practical stability analysis of sampled-data switched systems with quantization and delay. International Journal of Robust and Nonlinear Control, 2020, 30, 5267-5289.	3.7	10

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37	Trajectory tracking for a wheeled mobile robot with an omnidirectional wheel on uneven ground. IET Control Theory and Applications, 2020, 14, 921-929.	2.1	22
38	Reduced-Order $H_\infty$ Filter Design for Delta Operator Systems Over Multiple Frequency Intervals. IEEE Transactions on Automatic Control, 2020, 65, 5376-5383.	5.7	4
39	Model predictive tracking control for wheeled mobile robots based on polytopic linear differential inclusion. , 2020, , .		0
40	Output Regulation of Coupled Nonlinear Multi-caused System. , 2020, , .		0
41	Adaptive Estimation for Cause-Effect Control Systems with Model Parameters and Noise Perturbations. , 2020, , .		0
42	Remote Nonlinear State Estimation With Stochastic Event-Triggered Sensor Schedule. IEEE Transactions on Cybernetics, 2019, 49, 734-745.	9.5	42
43	Tâ€™S Fuzzy Model Identification with Sparse Bayesian Techniques. Neural Processing Letters, 2019, 50, 2945-2962.	3.2	5
44	A survey on the recent development of securing the networked control systems. Systems Science and Control Engineering, 2019, 7, 54-64.	3.1	9
45	A novel eventâ€ triggered extended state observer for networked control systems subjected to external disturbances. International Journal of Robust and Nonlinear Control, 2019, 29, 2026-2040.	3.7	19
46	State estimation for linear systems with unknown input and random false data injection attack. IET Control Theory and Applications, 2019, 13, 823-831.	2.1	22
47	A resilient consensus strategy of nearâ€ optimal control for stateâ€ saturated multiagent systems with roundâ€ robin protocol. International Journal of Robust and Nonlinear Control, 2019, 29, 3200-3216.	3.7	9
48	Predictive cloud control for multiagent systems with stochastic event-triggered schedule. ISA Transactions, 2019, 94, 70-79.	5.7	10
49	Position control of a rodless cylinder in pneumatic servo with actuator saturation. ISA Transactions, 2019, 90, 235-243.	5.7	14
50	Event-triggered distributed fusion estimation with random transmission delays. Information Sciences, 2019, 475, 67-81.	6.9	33
51	Nonlinear sampled-data ESO-based active disturbance rejection control for networked control systems with actuator saturation. Nonlinear Dynamics, 2019, 95, 1415-1434.	5.2	11
52	Discrete-Time Sliding Mode Control With Disturbance Rejection. IEEE Transactions on Industrial Electronics, 2019, 66, 7967-7975.	7.9	67
53	Security Research on Wireless Networked Control Systems Subject to Jamming Attacks. IEEE Transactions on Cybernetics, 2019, 49, 2022-2031.	9.5	35
54	Double-Loop Stability for High Frequency Networked Control Systems Subject to Actuator Saturation. IEEE Transactions on Cybernetics, 2019, 49, 1454-1462.	9.5	15

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55	Active Disturbance Rejection Control for Teleoperation Systems with Actuator Saturation. Asian Journal of Control, 2019, 21, 702-713.	3.0	14
56	Position Control for Magnetic Rodless Cylinders With Strong Static Friction. IEEE Transactions on Industrial Electronics, 2018, 65, 5806-5815.	7.9	39
57	Joint Subchannel and Power Allocation in Secure Transmission Design for Femtocell Networks. IEEE Systems Journal, 2018, 12, 2688-2698.	4.6	13
58	Trajectory tracking for wheeled mobile robots via model predictive control with softening constraints. IET Control Theory and Applications, 2018, 12, 206-214.	2.1	52
59	Active Disturbance Rejection Attitude Control for a Dual Closed-Loop Quadrotor Under Gust Wind. IEEE Transactions on Control Systems Technology, 2018, 26, 1400-1405.	5.2	157
60	Event-triggered predictive control for networked control systems with network-induced delays and packet dropouts. International Journal of Robust and Nonlinear Control, 2018, 28, 1350-1365.	3.7	48
61	Adaptive Force Reflecting Control for Bilateral Teleoperation System Under Asymmetric Time-Varying Delays. , 2018, , .		1
62	Data-Driven Filtering for Nonlinear Systems With Bounded Noises and Quantized Measurements. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 3404-3413.	5.4	2
63	Self-triggered sampling control for networked control systems with delays and packets dropout. International Journal of Systems Science, 2018, 49, 1703-1714.	5.5	6
64	Resilient control for wireless networked control systems under DoS attack via a hierarchical game. International Journal of Robust and Nonlinear Control, 2018, 28, 4604-4623.	3.7	32
65	Event-Driven Control for Networked Control Systems With Quantization and Markov Packet Losses. IEEE Transactions on Cybernetics, 2017, 47, 2235-2243.	9.5	83
66	Event-triggered UKF for nonlinear dynamic systems with packet dropout. International Journal of Robust and Nonlinear Control, 2017, 27, 4208-4226.	3.7	32
67	Overall convergence rate of delta operator systems subject to actuator saturation. International Journal of Robust and Nonlinear Control, 2017, 27, 3564-3581.	3.7	3
68	Towards quantifying the impact of randomly occurred attacks on a class of networked control systems. Journal of the Franklin Institute, 2017, 354, 4966-4988.	3.4	33
69	Optimal control for networked control systems with disturbances: a delta operator approach. IET Control Theory and Applications, 2017, 11, 1325-1332.	2.1	125
70	Active Disturbance Rejection Control for the Ranger Neutral Buoyancy Vehicle: A Delta Operator Approach. IEEE Transactions on Industrial Electronics, 2017, 64, 9410-9420.	7.9	39
71	Adaptive finite-time control for high-order nonlinear systems with mismatched disturbances. International Journal of Adaptive Control and Signal Processing, 2017, 31, 1296-1307.	4.1	15
72	Stabilisation for Markovian jump delta operator systems with time-varying delays and actuator saturation. International Journal of Systems Science, 2017, 48, 1871-1881.	5.5	1

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73	Multi-tasking optimal control of networked control systems: A delta operator approach. International Journal of Robust and Nonlinear Control, 2017, 27, 2842-2860.	3.7	8
74	Finite-time tracking control for pneumatic servo system via extended state observer. IET Control Theory and Applications, 2017, 11, 2808-2816.	2.1	43
75	Approach for power allocation in two-tier femtocell networks based on robust non-cooperative game. IET Communications, 2017, 11, 1549-1557.	2.2	15
76	Integral sliding mode control of a bilateral teleoperation system based on extended state observers. International Journal of Control, Automation and Systems, 2017, 15, 2118-2125.	2.7	11
77	Energy-efficient power control for two-tier femtocell networks with block-fading channels. International Journal of Distributed Sensor Networks, 2017, 13, 155014771770792.	2.2	2
78	Stochastic stability of a modified unscented Kalman filter with stochastic nonlinearities and multiple fading measurements. Journal of the Franklin Institute, 2017, 354, 650-667.	3.4	27
79	Output regulation for linear delta operator systems subject to actuator saturation. International Journal of Robust and Nonlinear Control, 2017, 27, 1043-1063.	3.7	10
80	Adaptive Control for Large-Scale Nonlinear Systems With Time Delays and Unmodeled Dynamics. IEEE Access, 2017, 5, 938-945.	4.2	3
81	Fuzzy control of spacecraft attitude maneuver under quantization. , 2017, , .		0
82	Fuzzy control of spacecraft attitude maneuver with actuator saturation. , 2017, , .		0
83	Quantized stabilization of networked control systems with actuator saturation. International Journal of Robust and Nonlinear Control, 2016, 26, 3595-3610.	3.7	14
84	Stabilization on null controllable region of delta operator systems subject to actuator saturation. International Journal of Robust and Nonlinear Control, 2016, 26, 3481-3506.	3.7	5
85	Resilient Control of Networked Control System Under DoS Attacks: A Unified Game Approach. IEEE Transactions on Industrial Informatics, 2016, 12, 1786-1794.	11.3	264
86	Robust power control for femtocell networks with imperfect channel state information. IET Communications, 2016, 10, 882-890.	2.2	6
87	Analysis of power control for femtocell network with block-fading channel. , 2016, , .		0
88	Fuzzy control of spacecraft attitude maneuver by delta operator approach. , 2016, , .		0
89	UKF for nonlinear systems with event-triggered data transmission and packet dropout. , 2016, , .		8
90	Semi-global stabilisation with guaranteed regional performance for delta operator systems subject to actuator saturation. IET Control Theory and Applications, 2016, 10, 1127-1133.	2.1	0

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91	Chance-constraint optimization of power control in cognitive radio networks. Peer-to-Peer Networking and Applications, 2016, 9, 245-253.	3.9	6
92	Fault-tolerant control of delta operator systems with actuator saturation and effectiveness loss. International Journal of Systems Science, 2016, 47, 2428-2439.	5.5	2
93	Power Allocation Robust to Time-Varying Wireless Channels in Femtocell Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 2806-2815.	6.3	41
94	Analysis and design of delta operator systems with nested actuator saturation. International Journal of Systems Science, 2016, 47, 3704-3710.	5.5	6
95	Null controllable region of delta operator systems subject to actuator saturation. International Journal of Control, 2016, 89, 1509-1521.	1.9	0
96	Stability analysis for delta operator systems subject to state saturation. International Journal of Systems Science, 2016, 47, 3696-3703.	5.5	3
97	Robust tracking control for wheeled mobile robot based on extended state observer. Advanced Robotics, 2016, 30, 68-78.	1.8	35
98	Low-frequency robust control for singularly perturbed system. IET Control Theory and Applications, 2015, 9, 203-210.	2.1	10
99	Positioning control of a one-DOF manipulator driven by pneumatic artificial muscles based on active disturbance rejection control. , 2015, , .		6
100	Robust power control for femtocell networks based on chance-constrained linear programs. , 2015, , .		0
101	An approach of power allocation scheme for relay communication networks based on seller-buyer game. , 2015, , .		0
102	Robust Power Control for Amplify-and-Forward Relaying Scheme. IEEE Communications Letters, 2015, 19, 263-266.	4.1	19
103	Enlarging the domain of attraction and maximising convergence rate for delta operator systems with actuator saturation. International Journal of Control, 2015, 88, 2030-2043.	1.9	11
104	Control of periodic sampling systems subject to actuator saturation. International Journal of Robust and Nonlinear Control, 2015, 25, 3661-3678.	3.7	15
105	Leader-following consensus of heterogeneous multi-agent systems with packet dropout. International Journal of Control, Automation and Systems, 2015, 13, 1067-1075.	2.7	20
106	Back-stepping control of two-link flexible manipulator based on extended state observer. , 2015, , .		2
107	Nonlinear Control for Tracking and Obstacle Avoidance of a Wheeled Mobile Robot With Nonholonomic Constraint. IEEE Transactions on Control Systems Technology, 2015, , 1-1.	5.2	65
108	Robust power allocation and price-based interference management in two-tier femtocell networks. , 2015, , .		7

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109	Robust power control with probability constraint for co-channel two-tier femtocell networks. , 2015, , .		0
110	Stability Analysis of Delta Operator Systems with Actuator Saturation by a Saturation-Dependent Lyapunov Function. Circuits, Systems, and Signal Processing, 2015, 34, 971-986.	2.0	11
111	Extended-state-observer-based adaptive control for synchronisation of multi-agent systems with unknown nonlinearities. International Journal of Systems Science, 2015, 46, 2520-2530.	5.5	17
112	Networked control for delta operator systems subject to actuator saturation. International Journal of Control, Automation and Systems, 2014, 12, 1345-1351.	2.7	42
113	Adaptive control for attitude synchronisation of spacecraft formation via extended state observer. IET Control Theory and Applications, 2014, 8, 2171-2185.	2.1	77
114	Stabilisation of networked delta operator systems with uncertainty. IET Control Theory and Applications, 2014, 8, 2289-2296.	2.1	6
115	A new adaptive unscented Kalman filter based on covariance matching technique. , 2014, , .		5
116	Joint power control and interference management in two-tier CDMA femtocell networks for multi-agent systems. , 2014, , .		1
117	Fault Detection for Uncertain Fuzzy Systems Based on the Delta Operator Approach. Circuits, Systems, and Signal Processing, 2014, 33, 733-759.	2.0	15
118	Sliding-Mode Predictive Control of Networked Control Systems Under a Multiple-Packet Transmission Policy. IEEE Transactions on Industrial Electronics, 2014, 61, 6234-6243.	7.9	51
119	A new tracking control method for synchronization of spacecraft formation with switching topologies. , 2014, , .		1
120	Gain Scheduling Control of Delta Operator System Using Network-Based Measurements. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 538-547.	4.7	11
121	Analysis and design for delta operator systems with actuator saturation. International Journal of Control, 2014, 87, 987-999.	1.9	32
122	Guaranteed cost control of networked control systems based on delta operator Kalman filter. International Journal of Adaptive Control and Signal Processing, 2013, 27, 701-717.	4.1	28
123	Robust optimisation of power control for femtocell networks. IET Signal Processing, 2013, 7, 360-367.	1.5	29
124	Stability Analysis for High Frequency Networked Control Systems. IEEE Transactions on Automatic Control, 2012, 57, 2694-2700.	5.7	44
125	Low frequency positive real control for delta operator systems. Automatica, 2012, 48, 1791-1795.	5.0	40
126	Analysis and Synthesis of Delta Operator Systems. Lecture Notes in Control and Information Sciences, 2012, , .	1.0	64



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127	Stabilization of networked control systems with nonuniform random sampling periods. International Journal of Robust and Nonlinear Control, 2011, 21, 501-526.	3.7	102
128	Filtering for a class of discrete-time systems with time-delays via delta operator approach. International Journal of Systems Science, 2010, 41, 423-433.	5.5	19
129	Digital H <sup>∞</sup> filter design for a low frequency multiple-input multiple-output system with multirate measurements. International Journal of Robust and Nonlinear Control, 0, , .	3.7	1