

Yao Yu

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

1,759
citations

279798

23
h-index

289244

40
g-index

73
all docs

73
docs citations

73
times ranked

1215
citing authors

#	ARTICLE	IF	CITATIONS
1	Fixed-Time Event-Triggered Consensus for Nonlinear Multiagent Systems Without Continuous Communications. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 2221-2229.	9.3	204
2	Fixed-Time Leader-Follower Consensus of Networked Nonlinear Systems via Event/Self-Triggered Control. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020, 31, 5029-5037.	11.3	159
3	Fixed-time consensus of multi-agent systems with input delay and uncertain disturbances via event-triggered control. <i>Information Sciences</i> , 2019, 480, 261-272.	6.9	122
4	Guaranteed-Cost Consensus for Singular Multi-Agent Systems With Switching Topologies. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2014, 61, 1531-1542.	5.4	109
5	Fixed-time event-triggered consensus control for multi-agent systems with nonlinear uncertainties. <i>Neurocomputing</i> , 2017, 260, 497-504.	5.9	103
6	Distributed event-triggered fixed-time consensus for leader-follower multiagent systems with nonlinear dynamics and uncertain disturbances. <i>International Journal of Robust and Nonlinear Control</i> , 2018, 28, 3543-3559.	3.7	93
7	Team-Triggered Practical Fixed-Time Consensus of Double-Integrator Agents With Uncertain Disturbance. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 3263-3272.	9.5	83
8	Fuzzy Tracking Control for a Class of Uncertain MIMO Nonlinear Systems With State Constraints. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 543-554.	9.3	57
9	Robust backstepping output tracking control for SISO uncertain nonlinear systems with unknown virtual control coefficients. <i>International Journal of Control</i> , 2010, 83, 1182-1192.	1.9	50
10	Sufficient and Necessary Condition of Admissibility for Fractional-order Singular System. <i>Zidonghua Xuebao/Acta Automatica Sinica</i> , 2013, 39, 2160-2164.	1.5	48
11	Adaptive Event-Triggered Finite-Time Dissipative Filtering for Interval Type-2 Fuzzy Markov Jump Systems With Asynchronous Modes. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 9709-9721.	9.5	44
12	A Zero-Free Self-Triggered Approach to Practical Fixed-Time Consensus Tracking With Input Delay. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 3126-3136.	9.3	44
13	Robust backstepping decentralized tracking control for a 3-DOF helicopter. <i>Nonlinear Dynamics</i> , 2015, 82, 947-960.	5.2	40
14	A decoupling control for quadrotor UAV using dynamic surface control and sliding mode disturbance observer. <i>Nonlinear Dynamics</i> , 2019, 97, 781-795.	5.2	40
15	Robust event-triggered control of second-order disturbed leader-follower MASs: A nonsingular finite-time consensus approach. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 4298-4314.	3.7	39
16	Event-triggered reinforcement learning control for the quadrotor UAV with actuator saturation. <i>Neurocomputing</i> , 2020, 415, 135-145.	5.9	32
17	Fixed-time event-triggered synchronization of a multilayer Kuramoto-oscillator network. <i>Neurocomputing</i> , 2020, 379, 214-226.	5.9	31
18	Robust backstepping-based trajectory tracking control for quadrotors with time delays. <i>IET Control Theory and Applications</i> , 2019, 13, 1945-1954.	2.1	30

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19	A Human-Tracking Robot Using Ultra Wideband Technology. IEEE Access, 2018, 6, 42541-42550.	4.2	28
20	Distributed event-based consensus control of multi-agent system with matching nonlinear uncertainties. Neurocomputing, 2018, 272, 694-702.	5.9	25
21	Supplementary Reinforcement Learning Controller Designed for Quadrotor UAVs. IEEE Access, 2019, 7, 26422-26431.	4.2	25
22	Fixed-Time Average Consensus of Nonlinear Delayed MASs Under Switching Topologies: An Event-Based Triggering Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2721-2733.	9.3	24
23	Robust attitude control of a 3DOF helicopter with multi-operation points. Journal of Systems Science and Complexity, 2009, 22, 207-219.	2.8	23
24	Robust decentralized tracking control for a class of uncertain MIMO nonlinear systems with time-varying delays. International Journal of Robust and Nonlinear Control, 2014, 24, 3474-3490.	3.7	23
25	Gastric polyp detection in gastroscopic images using deep neural network. PLoS ONE, 2021, 16, e0250632.	2.5	23
26	Robust trajectory tracking control for a laboratory helicopter. Nonlinear Dynamics, 2014, 77, 621-634.	5.2	22
27	Practical Fixed-Time Event-Triggered Time-Varying Formation Tracking Control for Disturbed Multi-Agent Systems with Continuous Communication Free. Unmanned Systems, 2021, 09, 23-34.	3.6	20
28	Robust output containment control of multi-agent systems with unknown heterogeneous nonlinear uncertainties in directed networks. International Journal of Systems Science, 2017, 48, 1173-1181.	5.5	16
29	Nonlinear Robust Compensation Method for Trajectory Tracking Control of Quadrotors. IEEE Access, 2019, 7, 26766-26776.	4.2	15
30	Observer-based self-triggered control for time-varying formation of multi-agent systems. Science China Information Sciences, 2021, 64, 1.	4.3	13
31	Robust trajectory tracking control of uncertain quadrotors without linear velocity measurements. IET Control Theory and Applications, 2015, 9, 1746-1754.	2.1	11
32	Fixed-time consensus algorithm for second-order multi-agent systems with bounded disturbances. , 2016, , .		11
33	A UAV Dynamic Path Planning Algorithm. , 2020, , .		11
34	Robust attitude control of an indoor micro quadrotor with input delay. , 2014, , .		10
35	Disturbance observer-based sliding mode control for multi-agent systems with mismatched uncertainties. Assembly Automation, 2018, 38, 606-614.	1.7	10
36	Robust Output Feedback Consensus of High-order Multi-agent Systems with Nonlinear Uncertainties. International Journal of Control, Automation and Systems, 2020, 18, 282-292.	2.7	10

#	ARTICLE	IF	CITATIONS
37	Robust backstepping tracking control of uncertain MIMO nonlinear systems with application to quadrotor UAVs. , 2015, , .		9
38	Trajectory tracking control of a quadrotor UAV under external disturbances based on linear ADRC. , 2016, , .		9
39	An EKF SLAM algorithm for mobile robot with sensor bias estimation. , 2017, , .		8
40	Robust controller design for uncertain delayed systems and its applications to hypersonic vehicles. Asian Journal of Control, 2020, 22, 1579-1588.	3.0	8
41	A LQR controller for a quadrotor: Design and experiment. , 2016, , .		6
42	Backstepping control for quadrotor with BP neural network based thrust model. , 2017, , .		6
43	Robust distributed consensus tracking control for high-order uncertain nonlinear MASs with directed topologies. Asian Journal of Control, 2020, 22, 2558-2568.	3.0	6
44	Position estimation and control for quadrotor using optical flow and GPS sensors. , 2016, , .		5
45	Sampled-data-based dynamic event-triggered formation control for nonlinear multi-agent systems. Transactions of the Institute of Measurement and Control, 2022, 44, 2719-2728.	1.7	5
46	Real-time attitude and gyro-bias estimation for small UAVs using low-cost sensors. , 2016, , .		4
47	Robust control for hypersonic vehicles with parametric and unstructured uncertainties. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2018, 232, 2369-2380.	2.1	4
48	GPS/INS Integrated Navigation for Quadrotor UAV Considering Lever Arm. , 2020, , .		4
49	Attitude control of a quadrotor unmanned aerial vehicle based on linear extended state observer. , 2015, , .		3
50	Sentiment prediction in scene images via convolutional neural networks. , 2016, , .		3
51	An attention based image to latex markup decoder. , 2017, , .		3
52	Robust \hat{z} compensator with constraints for attitude manoeuvres of a quadrotor subject to unknown stochastic input delays. Journal of Control and Decision, 2019, 6, 252-278.	1.6	3
53	Actuator Fault Tolerant Control based on Neuroadaptive SMC for Quadrotor UAVs. , 2020, , .		3
54	Jamming attack against remote state estimation over multiple wireless channels: A reinforcement learning based game theoretical approach. ISA Transactions, 2022, 130, 1-9.	5.7	3

#	ARTICLE	IF	CITATIONS
55	Distributed fuzzy proportional-spatial integral control design for a class of nonlinear distributed parameter systems. , 2014, , .		2
56	Semiglobal robust decentralized tracking control for a class of uncertain MIMO nonlinear systems. , 2015, , .		2
57	Adaptive neural control for consensus of multiple UAVs with heterogeneous matching uncertainties under a directed graph. , 2015, , .		2
58	Robust trajectory tracking control for quadrotors with uncertainties and delays. , 2016, , .		2
59	Fixed-Time Event-Triggered Average Consensus of Nonlinear MASs With External Disturbances and Switching Topologies. , 2019, , .		2
60	Robust Time-Varying Output Formation Control for Swarm Systems with Nonlinear Uncertainties. Complexity, 2020, 2020, 1-13.	1.6	2
61	Event-triggered Fixed-time Phase Agreement of Kuramoto-oscillators with Switching Topologies. , 2020, , .		2
62	Robust tracking control for the hypersonic flight vehicle via backstepping method. , 2014, , .		1
63	A PDE-based approach to formation control design for a large vehicular platoon. , 2015, , .		1
64	Observer-based containment for a class of nonlinear multi-agent systems with time-delayed protocols. , 2016, , .		1
65	Adaptive Neural Network Control of a Quadrotor with Input Delay. , 2018, , .		1
66	Sampled-data-based Event-triggered Practical Formation Tracking Control of Multi-agent Systems. , 2020, , .		1
67	Active noise control using STF for time-vary delay estimation in secondary path based on DFxLMS. , 2016, , .		0
68	A fast image retrieval method with convolutional neural networks. , 2017, , .		0
69	Robust output formation control for swarm systems with nonlinear uncertainties in directed networks. , 2018, , .		0
70	A Shared Model Based Dense Real-Time Semantic SLAM Method Towards Repetitive Scene. , 2019, , .		0
71	An Abstractive Summarizer Based on Improved Pointer-Generator Network. , 2019, , .		0
72	Mobile robot navigation method based on improved Q-learning algorithm. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
73	An image-based decoupling controller of quadrotor for moving target tracking. Journal of Control and Decision, 2023, 10, 326-337.	1.6	0