Ziquan Yu

List of Publications by Year
in descending order

51 papers	971 citations	516215 16 h-index	642321 23 g-index
52 all docs	52 docs citations	52 times ranked	461 citing authors

#	Article	IF	Citations
1	Composite Adaptive Disturbance Observer-Based Decentralized Fractional-Order Fault-Tolerant Control of Networked UAVs. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 799-813.	5.9	45
2	A review on fault-tolerant cooperative control of multiple unmanned aerial vehicles. Chinese Journal of Aeronautics, 2022, 35, 1-18.	2.8	58
3	Distributed Adaptive Fault-Tolerant Time-Varying Formation Control of Unmanned Airships With Limited Communication Ranges Against Input Saturation for Smart City Observation. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1891-1904.	7.2	9
4	Distributed Fractional-Order Intelligent Adaptive Fault-Tolerant Formation-Containment Control of Two-Layer Networked Unmanned Airships for Safe Observation of a Smart City. IEEE Transactions on Cybernetics, 2022, 52, 9132-9144.	6.2	23
5	A Deep Reinforcement Learning Strategy for UAV Path Following Control Under Sensor Fault. Lecture Notes in Electrical Engineering, 2022, , 5239-5249.	0.3	0
6	Enhanced Recurrent Fuzzy Neural Fault-Tolerant Synchronization Tracking Control of Multiple Unmanned Airships via Fractional Calculus and Fixed-Time Prescribed Performance Function. IEEE Transactions on Fuzzy Systems, 2022, 30, 4515-4529.	6.5	13
7	Distributed prescribed performance containment control for unmanned surface vehicles based on disturbance observer. ISA Transactions, 2022, 125, 699-706.	3.1	12
8	Projection Operator-Based Fault-Tolerant Backstepping Adaptive Control of Fixed-Wing UAV Against Actuator Faults. , 2022, , .		2
9	Early Forest Fire Recognition Method Based on C-GhostNet Network. , 2022, , .		0
10	Nussbaum-based finite-time fractional-order backstepping fault-tolerant flight control of fixed-wing UAV against input saturation with hardware-in-the-loop validation. Mechanical Systems and Signal Processing, 2021, 153, 107406.	4.4	44
11	Fractional-Order Adaptive Fault-Tolerant Synchronization Tracking Control of Networked Fixed-Wing UAVs Against Actuator-Sensor Faults via Intelligent Learning Mechanism. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5539-5553.	7.2	50
12	Fault-Tolerant Time-Varying Elliptical Formation Control of Multiple Fixed-Wing UAVs for Cooperative Forest Fire Monitoring. Journal of Intelligent and Robotic Systems: Theory and Applications, 2021, 101, 1.	2.0	28
13	Path Following Control for UAV Using Deep Reinforcement Learning Approach. Research on World Agricultural Economy, 2021, 01, 2150005.	0.8	20
14	Diagnosis and Mitigation of Smart Cyber-Attacks on an Offshore Wind Farm Network Operator. , 2021, , .		2
15	Integrated Guidance and Control for Autonomous Rendezvous of Unmanned Aerial Vehicle During Aerial Refueling. , 2021, , .		1
16	Adaptive Fault-Tolerant Control of Fixed-wing UAV Under Actuator Saturation and State Constraints. , 2021, , .		2
17	Predefined-time parameter estimation via modified dynamic Regressor extension and mixing. Journal of the Franklin Institute, 2021, 358, 6897-6921.	1.9	4
18	Fractional order PID-based adaptive fault-tolerant cooperative control of networked unmanned aerial vehicles against actuator faults and wind effects with hardware-in-the-loop experimental validation. Control Engineering Practice, 2021, 114, 104861.	3.2	24

#	Article	IF	Citations
19	Distributed fault-tolerant adaptive flocking control of multi-agent system with model perturbation and actuator failure. , 2021, , .		0
20	Early Forest Fire Detection Based on Deep Learning. , 2021, , .		3
21	Early Forest Fire Segmentation Based on Deep Learning. , 2021, , .		1
22	Distributed Finite-Time Fault-Tolerant Containment Control for Multiple Unmanned Aerial Vehicles. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 2077-2091.	7.2	126
23	Decentralized finite-time adaptive fault-tolerant synchronization tracking control for multiple UAVs with prescribed performance. Journal of the Franklin Institute, 2020, 357, 11830-11862.	1.9	51
24	Active Visual Servo Pan/Tilt Control Design based on Improved Augmented LQR. , 2020, , .		1
25	Route planning method for UAV in unknown environment based on improved SAS algorithm. , 2020, , .		1
26	Fault Detection and Diagnosis in Power Electronic Converters at Microgrid Level Based on Filter Bank Approach. , 2020, , .		2
27	Decentralized fractional-order backstepping fault-tolerant control of multi-UAVs against actuator faults and wind effects. Aerospace Science and Technology, 2020, 104, 105939.	2.5	58
28	Distributed adaptive fault-tolerant close formation flight control of multiple trailing fixed-wing UAVs. ISA Transactions, 2020, 106, 181-199.	3.1	33
29	Fractional-Order Sliding-Mode Fault-Tolerant Neural Adaptive Control of Fixed-Wing UAV With Prescribed Tracking Performance. , 2020, , .		6
30	A Solution for Searching and Monitoring Forest Fires Based on Multiple UAVs. , 2019, , .		7
31	A Backstepping Control Strategy for Fixed Wing UAV under Actuator Failure. , 2019, , .		2
32	Fault-Tolerant Adaptive Neural Control of Multi-UAVs Against Actuator Faults. , 2019, , .		5
33	Decentralized fault-tolerant cooperative control of multiple UAVs with prescribed attitude synchronization tracking performance under directed communication topology. Frontiers of Information Technology and Electronic Engineering, 2019, 20, 685-700.	1.5	10
34	Distributed adaptive fractional–order fault–tolerant cooperative control of networked unmanned aerial vehicles via fuzzy neural networks. IET Control Theory and Applications, 2019, 13, 2917-2929.	1.2	55
35	Kalman Filter-based Wind Estimation for Forest Fire Monitoring with a Quadrotor UAV. , 2019, , .		9
36	Distributed Fault-Tolerant Cooperative Control for Multi-UAVs Under Actuator Fault and Input Saturation. IEEE Transactions on Control Systems Technology, 2019, 27, 2417-2429.	3.2	112

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37	Prescribed performance-based distributed fault-tolerant cooperative control for multi-UAVs. Transactions of the Institute of Measurement and Control, 2019, 41, 975-989.	1.1	12
38	Fault-Tolerant Containment Control of Multiple Unmanned Aerial Vehicles Based on Distributed Sliding-Mode Observer. Journal of Intelligent and Robotic Systems: Theory and Applications, 2019, 93, 163-177.	2.0	35
39	Safe control of trailing UAV in close formation flight against actuator fault and wake vortex effect. Aerospace Science and Technology, 2018, 77, 189-205.	2.5	60
40	Fault-Tolerant Control for Autonomous Aerial Refueling against Actuator Fault in Receiver UAV. IFAC-PapersOnLine, 2018, 51, 274-279.	0.5	1
41	Line-of-Sight Path Following Control on UAV with Sideslip Estimation and Compensation. , 2018, , .		8
42	Distributed Fractional-Order Finite-Time Control for Multiple Unmanned Aerial Vehicles. , 2018, , .		10
43	Vibration Suppression for Refueling Boom Based on Back-stepping Sliding Mode. , 2018, , .		0
44	Synchronization Control for Hydraulic Motors of Boom Refueling Experimental Platform. , 2018, , .		0
45	Wake Vortex Attenuation Control of Receiver UAV in Autonomous Aerial Refueling. , 2018, , .		1
46	Distributed fault-tolerant containment control for multi-UAVs with actuator and sensor faults. , 2017, , .		6
47	Real-time wind vector estimation for a micro UAV. , 2017, , .		5
48	Distributed Adaptive Fault-Tolerant Cooperative Control for Multi-UAVs Against Actuator and Sensor Faults. , 2017, , .		4
49	Adaptive Fractional-Order Fault-Tolerant Tracking Control for UAV Based on High-Gain Observer. , 2017, , .		3
50	Robust adaptive dynamic surface control for receiver UAV during boom refueling in the presence of vortex. , 2017, , .		5
51	Modeling and controller design by sliding-mode control for refueling boom. , 2016, , .		1