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	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
2	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
3	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
4	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
5	A review on fault-tolerant cooperative control of multiple unmanned aerial vehicles. Chinese Journal of Aeronautics, 2022, 35, 1-18.	2.8	58
6	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
7	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
8	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
9	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
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	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
12	Distributed adaptive fault-tolerant close formation flight control of multiple trailing fixed-wing UAVs. ISA Transactions, 2020, 106, 181-199.	3.1	33
13	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
14	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
15	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
16	Path Following Control for UAV Using Deep Reinforcement Learning Approach. Research on World Agricultural Economy, 2021, 01, 2150005.	0.8	20
17	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
18	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

#	Article	IF	Citations
19	Distributed prescribed performance containment control for unmanned surface vehicles based on disturbance observer. ISA Transactions, 2022, 125, 699-706.	3.1	12
20	Distributed Fractional-Order Finite-Time Control for Multiple Unmanned Aerial Vehicles. , 2018, , .		10
21	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
22	Kalman Filter-based Wind Estimation for Forest Fire Monitoring with a Quadrotor UAV. , 2019, , .		9
23	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
24	Line-of-Sight Path Following Control on UAV with Sideslip Estimation and Compensation. , 2018, , .		8
25	A Solution for Searching and Monitoring Forest Fires Based on Multiple UAVs. , 2019, , .		7
26	Distributed fault-tolerant containment control for multi-UAVs with actuator and sensor faults. , 2017, , .		6
27	Fractional-Order Sliding-Mode Fault-Tolerant Neural Adaptive Control of Fixed-Wing UAV With Prescribed Tracking Performance. , 2020, , .		6
28	Real-time wind vector estimation for a micro UAV. , 2017, , .		5
29	Robust adaptive dynamic surface control for receiver UAV during boom refueling in the presence of vortex. , 2017, , .		5
30	Fault-Tolerant Adaptive Neural Control of Multi-UAVs Against Actuator Faults. , 2019, , .		5
31	Distributed Adaptive Fault-Tolerant Cooperative Control for Multi-UAVs Against Actuator and Sensor Faults. , 2017, , .		4
32	Predefined-time parameter estimation via modified dynamic Regressor extension and mixing. Journal of the Franklin Institute, 2021, 358, 6897-6921.	1.9	4
33	Adaptive Fractional-Order Fault-Tolerant Tracking Control for UAV Based on High-Gain Observer. , 2017, , .		3
34	Early Forest Fire Detection Based on Deep Learning. , 2021, , .		3
35	A Backstepping Control Strategy for Fixed Wing UAV under Actuator Failure. , 2019, , .		2
36	Fault Detection and Diagnosis in Power Electronic Converters at Microgrid Level Based on Filter Bank Approach. , 2020, , .		2

#	Article	IF	Citations
37	Diagnosis and Mitigation of Smart Cyber-Attacks on an Offshore Wind Farm Network Operator. , 2021, , .		2
38	Adaptive Fault-Tolerant Control of Fixed-wing UAV Under Actuator Saturation and State Constraints. , 2021, , .		2
39	Projection Operator-Based Fault-Tolerant Backstepping Adaptive Control of Fixed-Wing UAV Against Actuator Faults. , 2022, , .		2
40	Modeling and controller design by sliding-mode control for refueling boom. , 2016, , .		1
41	Fault-Tolerant Control for Autonomous Aerial Refueling against Actuator Fault in Receiver UAV. IFAC-PapersOnLine, 2018, 51, 274-279.	0.5	1
42	Wake Vortex Attenuation Control of Receiver UAV in Autonomous Aerial Refueling. , 2018, , .		1
43	Active Visual Servo Pan/Tilt Control Design based on Improved Augmented LQR. , 2020, , .		1
44	Route planning method for UAV in unknown environment based on improved SAS algorithm. , 2020, , .		1
45	Integrated Guidance and Control for Autonomous Rendezvous of Unmanned Aerial Vehicle During Aerial Refueling. , 2021, , .		1
46	Early Forest Fire Segmentation Based on Deep Learning. , 2021, , .		1
47	Vibration Suppression for Refueling Boom Based on Back-stepping Sliding Mode. , 2018, , .		0
48	Synchronization Control for Hydraulic Motors of Boom Refueling Experimental Platform. , 2018, , .		0
49	Distributed fault-tolerant adaptive flocking control of multi-agent system with model perturbation and actuator failure. , 2021, , .		0
50	A Deep Reinforcement Learning Strategy for UAV Path Following Control Under Sensor Fault. Lecture Notes in Electrical Engineering, 2022, , 5239-5249.	0.3	0
51	Early Forest Fire Recognition Method Based on C-GhostNet Network. , 2022, , .		0