

Xiang Yu

List of Publications by Year in descending order

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300
papers

11,982
citations

50276

46
h-index

34986

98
g-index

305
all docs

305
docs citations

305
times ranked

6315
citing authors

#	ARTICLE	IF	CITATIONS
1	Bibliographical review on reconfigurable fault-tolerant control systems. Annual Reviews in Control, 2008, 32, 229-252.	7.9	2,071
2	Unmanned surface vehicles: An overview of developments and challenges. Annual Reviews in Control, 2016, 41, 71-93.	7.9	738
3	Fault-tolerant control systems: A comparative study between active and passive approaches. Annual Reviews in Control, 2012, 36, 60-72.	7.9	479
4	A survey on technologies for automatic forest fire monitoring, detection, and fighting using unmanned aerial vehicles and remote sensing techniques. Canadian Journal of Forest Research, 2015, 45, 783-792.	1.7	456
5	Adaptive Sliding Mode Fault Tolerant Attitude Tracking Control for Flexible Spacecraft Under Actuator Saturation. IEEE Transactions on Control Systems Technology, 2012, 20, 1605-1612.	5.2	382
6	Sense and avoid technologies with applications to unmanned aircraft systems: Review and prospects. Progress in Aerospace Sciences, 2015, 74, 152-166.	12.1	233
7	The Design of Fixed-Time Observer and Finite-Time Fault-Tolerant Control for Hypersonic Gliding Vehicles. IEEE Transactions on Industrial Electronics, 2018, 65, 4135-4144.	7.9	219
8	DOB-Based Neural Control of Flexible Hypersonic Flight Vehicle Considering Wind Effects. IEEE Transactions on Industrial Electronics, 2017, 64, 8676-8685.	7.9	201
9	Fault tolerant control system design with explicit consideration of performance degradation. IEEE Transactions on Aerospace and Electronic Systems, 2003, 39, 838-848.	4.7	195
10	A survey of fault-tolerant controllers based on safety-related issues. Annual Reviews in Control, 2015, 39, 46-57.	7.9	166
11	Flatness-Based Trajectory Planning/Replanning for a Quadrotor Unmanned Aerial Vehicle. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 2832-2848.	4.7	152
12	Aerial Images-Based Forest Fire Detection for Firefighting Using Optical Remote Sensing Techniques and Unmanned Aerial Vehicles. Journal of Intelligent and Robotic Systems: Theory and Applications, 2017, 88, 635-654.	3.4	140
13	Fault tolerant control of a quadrotor UAV using sliding mode control. , 2010, , .		131
14	Experimental Test of a Two-Stage Kalman Filter for Actuator Fault Detection and Diagnosis of an Unmanned Quadrotor Helicopter. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 70, 107-117.	3.4	128
15	Fault-Tolerant Tracking Control of Spacecraft with Attitude-Only Measurement Under Actuator Failures. Journal of Guidance, Control, and Dynamics, 2014, 37, 838-849.	2.8	127
16	Hybrid Fault-Tolerant Flight Control System Design Against Partial Actuator Failures. IEEE Transactions on Control Systems Technology, 2012, 20, 871-886.	5.2	125
17	An Adaptive Fault-Tolerant Sliding Mode Control Allocation Scheme for Multirotor Helicopter Subject to Simultaneous Actuator Faults. IEEE Transactions on Industrial Electronics, 2018, 65, 4227-4236.	7.9	125
18	Wind Turbine Fault Diagnosis and Fault-Tolerant Torque Load Control Against Actuator Faults. IEEE Transactions on Control Systems Technology, 2015, 23, 1351-1372.	5.2	120

#	ARTICLE	IF	CITATIONS
19	Distributed Fault-Tolerant Cooperative Control for Multi-UAVs Under Actuator Fault and Input Saturation. IEEE Transactions on Control Systems Technology, 2019, 27, 2417-2429.	5.2	112
20	A Deep Learning Based Forest Fire Detection Approach Using UAV and YOLOv3. , 2019, , .		111
21	Disturbance observer-based adaptive fault-tolerant control for a quadrotor helicopter subject to parametric uncertainties and external disturbances. Mechanical Systems and Signal Processing, 2019, 120, 727-743.	8.0	111
22	Multiple observers based anti-disturbance control for a quadrotor UAV against payload and wind disturbances. Control Engineering Practice, 2020, 102, 104560.	5.5	107
23	Finite-Time Attitude Tracking of Spacecraft With Fault-Tolerant Capability. IEEE Transactions on Control Systems Technology, 2015, 23, 1338-1350.	5.2	104
24	Fault-tolerant formation control of multiple UAVs in the presence of actuator faults. International Journal of Robust and Nonlinear Control, 2016, 26, 2668-2685.	3.7	104
25	Yaw-Guided Trajectory Tracking Control of an Asymmetric Underactuated Surface Vehicle. IEEE Transactions on Industrial Informatics, 2019, 15, 3502-3513.	11.3	99
26	Fault-Tolerant Aircraft Control Based on Self-Constructing Fuzzy Neural Networks and Multivariable SMC Under Actuator Faults. IEEE Transactions on Fuzzy Systems, 2018, 26, 2324-2335.	9.8	98
27	Fault-Tolerant Cooperative Control Design of Multiple Wheeled Mobile Robots. IEEE Transactions on Control Systems Technology, 2018, 26, 756-764.	5.2	95
28	Formation control and coordination of multiple unmanned ground vehicles in normal and faulty situations: A review. Annual Reviews in Control, 2020, 49, 128-144.	7.9	93
29	Observer-Based Output Feedback Attitude Stabilization for Spacecraft With Finite-Time Convergence. IEEE Transactions on Control Systems Technology, 2019, 27, 781-789.	5.2	89
30	Sliding mode fault tolerant control dealing with modeling uncertainties and actuator faults. ISA Transactions, 2012, 51, 386-392.	5.7	83
31	A survey on multiple unmanned vehicles formation control and coordination: Normal and fault situations. , 2013, , .		77
32	Stochastic stability analysis of fault-tolerant control systems in the presence of noise. IEEE Transactions on Automatic Control, 2001, 46, 1810-1815.	5.7	75
33	Design of feedback linearization control and reconfigurable control allocation with application to a quadrotor UAV. , 2010, , .		73
34	Active fault-tolerant control for a quadrotor helicopter against actuator faults and model uncertainties. Aerospace Science and Technology, 2020, 99, 105745.	4.8	73
35	ISSUES ON INTEGRATION OF FAULT DIAGNOSIS AND RECONFIGURABLE CONTROL IN ACTIVE FAULT-TOLERANT CONTROL SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 1437-1448.	0.4	66
36	Robust Actuator Fault Detection and Diagnosis for a Quadrotor UAV With External Disturbances. IEEE Access, 2018, 6, 48169-48180.	4.2	65

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37	Reconfigurable Control Allocation against Aircraft Control Effector Failures. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	64
38	Multiple UAVs in forest fire fighting mission using particle swarm optimization. , 2017, , .		64
39	A Review on Fault Diagnosis and Fault Tolerant Control Methods for Single-rotor Aerial Vehicles. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 73, 535-555.	3.4	62
40	Fault-Tolerant Flight Control Design With Finite-Time Adaptation Under Actuator Stuck Failures. IEEE Transactions on Control Systems Technology, 2017, 25, 1431-1440.	5.2	62
41	A hybrid modelling method for time series forecasting based on a linear regression model and deep learning. Applied Intelligence, 2019, 49, 3002-3015.	5.3	61
42	Safe control of trailing UAV in close formation flight against actuator fault and wake vortex effect. Aerospace Science and Technology, 2018, 77, 189-205.	4.8	60
43	Adaptive Multivariable Integral TSMC of a Hypersonic Gliding Vehicle With Actuator Faults and Model Uncertainties. IEEE/ASME Transactions on Mechatronics, 2017, 22, 2723-2735.	5.8	59
44	Learning-Based Smoke Detection for Unmanned Aerial Vehicles Applied to Forest Fire Surveillance. Journal of Intelligent and Robotic Systems: Theory and Applications, 2019, 93, 337-349.	3.4	58
45	A review on fault-tolerant cooperative control of multiple unmanned aerial vehicles. Chinese Journal of Aeronautics, 2022, 35, 1-18.	5.3	58
46	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.	2.1	55
47	A Composite Adaptive Fault-Tolerant Attitude Control for a Quadrotor UAV with Multiple Uncertainties. Journal of Systems Science and Complexity, 2022, 35, 81-104.	2.8	54
48	Autonomous Driving on Curvy Roads Without Reliance on Frenet Frame: A Cartesian-Based Trajectory Planning Method. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15729-15741.	8.0	52
49	Decentralized finite-time adaptive fault-tolerant synchronization tracking control for multiple UAVs with prescribed performance. Journal of the Franklin Institute, 2020, 357, 11830-11862.	3.4	51
50	Fault Tolerant Formations Control of UAVs Subject to Permanent and Intermittent Faults. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 73, 589-602.	3.4	50
51	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.	11.3	50
52	Formation control of multiple quadrotors based on leader-follower method. , 2015, , .		49
53	Composite Nonsingular Terminal Sliding Mode Attitude Controller for Spacecraft With Actuator Dynamics Under Matched and Mismatched Disturbances. IEEE Transactions on Industrial Informatics, 2020, 16, 1153-1162.	11.3	49
54	Hierarchical Decentralized Receding Horizon Control of Multiple Vehicles with Communication Failures. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 744-759.	4.7	46

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55	Modeling and control approach to a distinctive quadrotor helicopter. ISA Transactions, 2014, 53, 173-185.	5.7	46
56	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.	9.3	45
57	Trajectory Planning and Tracking Strategy Applied to an Unmanned Ground Vehicle in the Presence of Obstacles. IEEE Transactions on Automation Science and Engineering, 2021, 18, 1575-1589.	5.2	44
58	A YOLOv3-based Learning Strategy for Real-time UAV-based Forest Fire Detection. , 2020, , .		44
59	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.	8.0	44
60	A fast U-D factorization-based learning algorithm with applications to nonlinear system modeling and identification. IEEE Transactions on Neural Networks, 1999, 10, 930-938.	4.2	43
61	A Distributed Deployment Strategy for a Network of Cooperative Autonomous Vehicles. IEEE Transactions on Control Systems Technology, 2015, 23, 737-745.	5.2	43
62	Nussbaum-type function-based attitude control of spacecraft with actuator saturation. International Journal of Robust and Nonlinear Control, 2018, 28, 2927-2949.	3.7	43
63	Fixed-Time Observer Based Safety Control for a Quadrotor UAV. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 2815-2825.	4.7	43
64	A Comprehensive Review on Signal-Based and Model-Based Condition Monitoring of Wind Turbines: Fault Diagnosis and Lifetime Prognosis. Proceedings of the IEEE, 2022, 110, 754-806.	21.3	43
65	Stabilization of Active Fault Tolerant Control Systems with Imperfect Fault Detection and Diagnosis. Stochastic Analysis and Applications, 2003, 21, 673-701.	1.5	41
66	A Learning-Based Fault Tolerant Tracking Control of an Unmanned Quadrotor Helicopter. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 84, 145-162.	3.4	41
67	Vision-based forest fire detection in aerial images for firefighting using UAVs. , 2016, , .		39
68	Fault-Tolerant Flight Control Design with Explicit Consideration of Reconfiguration Transients. Journal of Guidance, Control, and Dynamics, 2016, 39, 556-563.	2.8	39
69	Fault-tolerant control with linear quadratic and model predictive control techniques against actuator faults in a quadrotor UAV. , 2013, , .		38
70	Fault-tolerant cooperative control for multiple UAVs based on sliding mode techniques. Science China Information Sciences, 2017, 60, 1.	4.3	38
71	Aircraft Fault Accommodation With Consideration of Actuator Control Authority and Gyro Availability. IEEE Transactions on Control Systems Technology, 2018, 26, 1285-1299.	5.2	37
72	Velocity-free attitude coordinated tracking control for spacecraft formation flying. ISA Transactions, 2018, 73, 54-65.	5.7	36

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73	Detection, estimation, and compensation of false data injection attack for UAVs. Information Sciences, 2021, 546, 723-741.	6.9	36
74	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.	3.4	35
75	Adaptive Quasi-Optimal Higher Order Sliding-Mode Control Without Gain Overestimation. IEEE Transactions on Industrial Informatics, 2018, 14, 3881-3891.	11.3	34
76	Distributed adaptive fault-tolerant close formation flight control of multiple trailing fixed-wing UAVs. ISA Transactions, 2020, 106, 181-199.	5.7	33
77	Fixed-Time Actuator Fault Accommodation Applied to Hypersonic Gliding Vehicles. IEEE Transactions on Automation Science and Engineering, 2021, 18, 1429-1440.	5.2	33
78	Trajectory planning and re-planning for fault tolerant formation flight control of quadrotor unmanned aerial vehicles. , 2012, , .		32
79	A Global Path Planning Algorithm for Fixed-wing UAVs. Journal of Intelligent and Robotic Systems: Theory and Applications, 2018, 91, 691-707.	3.4	32
80	Fault-tolerant shortest connection topology design for formation control. International Journal of Control, Automation and Systems, 2014, 12, 29-36.	2.7	31
81	Observer-Based Attitude Control for Satellite Under Actuator Fault. Journal of Guidance, Control, and Dynamics, 2015, 38, 806-811.	2.8	31
82	Real-time autonomous take-off, tracking and landing of UAV on a moving UGV platform. , 2016, , .		31
83	Active Fault-Tolerant Control of Unmanned Quadrotor Helicopter Using Linear Parameter Varying Technique. Journal of Intelligent and Robotic Systems: Theory and Applications, 2017, 88, 415-436.	3.4	31
84	High-Precision Trajectory Tracking Control for Space Manipulator With Neutral Uncertainty and Deadzone Nonlinearity. IEEE Transactions on Control Systems Technology, 2019, 27, 2254-2262.	5.2	30
85	A Hybrid Modeling Method Based on Linear AR and Nonlinear DBN-AR Model for Time Series Forecasting. Neural Processing Letters, 2022, 54, 1-20.	3.2	30
86	Velocity-Tracking Control Based on Refined Disturbance Observer for Gimbal Servo System With Multiple Disturbances. IEEE Transactions on Industrial Electronics, 2022, 69, 10311-10321.	7.9	30
87	A literature review on Fault Diagnosis methods for manned and unmanned helicopters. , 2013, , .		29
88	Trajectory Planning and Replanning Strategies Applied to a Quadrotor Unmanned Aerial Vehicle. Journal of Guidance, Control, and Dynamics, 2012, 35, 1667-1671.	2.8	28
89	Trajectory Planning for a Tractor with Multiple Trailers in Extremely Narrow Environments: A Unified Approach. , 2019, , .		28
90	Collision-Free Trajectory Generation and Tracking for UAVs Using Markov Decision Process in a Cluttered Environment. Journal of Intelligent and Robotic Systems: Theory and Applications, 2019, 93, 17-32.	3.4	28

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91	Fault-Tolerant Time-Varying Elliptical Formation Control of Multiple Fixed-Wing UAVs for Cooperative Forest Fire Monitoring. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2021, 101, 1.	3.4	28
92	Online Trajectory Replanning for Sudden Environmental Changes During Automated Parking: A Parallel Stitching Method. <i>IEEE Transactions on Intelligent Vehicles</i> , 2022, 7, 748-757.	12.7	28
93	Fault diagnosis and fault tolerant control methods for manned and unmanned helicopters: A literature review. , 2013, , .		27
94	Design of passive fault-tolerant flight controller against actuator failures. <i>Chinese Journal of Aeronautics</i> , 2015, 28, 180-190.	5.3	27
95	Cooperative control of multiple UAVs for forest fire monitoring and detection. , 2016, , .		27
96	New health-state assessment model based on belief rule base with interpretability. <i>Science China Information Sciences</i> , 2021, 64, 1.	4.3	27
97	Fault-Tolerant Formation Control of Unmanned Aerial Vehicles in the Presence of Actuator Faults and Obstacles. <i>Unmanned Systems</i> , 2016, 04, 197-211.	3.6	26
98	Experimental Test of Unmanned Ground Vehicle Delivering Goods Using RRT Path Planning Algorithm. <i>Unmanned Systems</i> , 2017, 05, 45-57.	3.6	26
99	Retrofit fault-tolerant tracking control design of an unmanned quadrotor helicopter considering actuator dynamics. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 5293-5313.	3.7	26
100	Passive Fault-Tolerant Control Strategies for Power Converter in a Hybrid Microgrid. <i>Energies</i> , 2020, 13, 5625.	3.1	26
101	Collision Avoidance and Path Following Control of Unmanned Aerial Vehicle in Hazardous Environment. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2019, 95, 193-210.	3.4	24
102	A Fast Estimation of Initial Rotor Position for Low-Speed Free-Running IPMSM. <i>IEEE Transactions on Power Electronics</i> , 2020, 35, 7664-7673.	7.9	24
103	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. <i>Control Engineering Practice</i> , 2021, 114, 104861.	5.5	24
104	Real-Time Fault-Tolerant Cooperative Control of Multiple UAVs-UGVs in the Presence of Actuator Faults. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2017, 88, 469-480.	3.4	23
105	Attitude Coordination Control for Spacecraft With Disturbances and Event-Triggered Communication. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021, 57, 586-596.	4.7	23
106	Distributed coordination of multi-agent systems for coverage problem in presence of obstacles. , 2012, , .		22
107	Fault-Tolerant Flight Control System Design Against Control Surface Impairments. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2012, 48, 1031-1051.	4.7	22
108	Design and calibration model of a bioinspired attitude and heading reference system based on compound eye polarization compass. <i>Bioinspiration and Biomimetics</i> , 2021, 16, 016001.	2.9	22

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109	Reconfigurable control allocation applied to an aircraft benchmark model. , 2008, , .		21
110	Feature article: an advanced sense and collision avoidance strategy for unmanned aerial vehicles in landing phase. IEEE Aerospace and Electronic Systems Magazine, 2016, 31, 40-52.	1.3	21
111	A dual adaptive fault-tolerant control for a quadrotor helicopter against actuator faults and model uncertainties without overestimation. Aerospace Science and Technology, 2020, 99, 105744.	4.8	21
112	Integrated path planning and trajectory tracking control for quadrotor UAVs with obstacle avoidance in the presence of environmental and systematic uncertainties: Theory and experiment. Aerospace Science and Technology, 2022, 120, 107277.	4.8	21
113	Fault Modeling, Estimation, and Fault-Tolerant Steering Logic Design for Single-Gimbal Control Moment Gyro. IEEE Transactions on Control Systems Technology, 2021, 29, 428-435.	5.2	20
114	Real-Time Fault-Tolerant Formation Control of Multiple WMRs Based on Hybrid GA&PSO Algorithm. IEEE Transactions on Automation Science and Engineering, 2021, 18, 1263-1276.	5.2	20
115	Antidisturbance Controllability Analysis and Enhanced Antidisturbance Controller Design With Application to Flexible Spacecraft. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 3393-3404.	4.7	20
116	Path Following Control for UAV Using Deep Reinforcement Learning Approach. Research on World Agricultural Economy, 2021, 01, 2150005.	1.3	20
117	Maneuver Planning for Automatic Parking with Safe Travel Corridors: A Numerical Optimal Control Approach. , 2020, , .		20
118	Payload Drop Application Using an Unmanned Quadrotor Helicopter Based on Gain-Scheduled PID and Model Predictive Control. Unmanned Systems, 2014, 02, 39-52.	3.6	19
119	Optimal flight path planning for UAVs in 3-D threat environment. , 2014, , .		19
120	UAV Collision Avoidance Based on Varying Cells Strategy. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 1743-1755.	4.7	19
121	Module-Based Active Equalization for Battery Packs: A Two-Layer Model Predictive Control Strategy. IEEE Transactions on Transportation Electrification, 2022, 8, 149-159.	7.8	19
122	DUKF-based GTM UAV fault detection and diagnosis with nonlinear and LPV models. , 2010, , .		18
123	A Distributed Deployment Strategy for Multi-Agent Systems Subject to Health Degradation and Communication Delays. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 73, 623-633.	3.4	18
124	Fault-Tolerant Cooperative Control of Multiple Wheeled Mobile Robots Under Actuator Faults. IFAC-PapersOnLine, 2015, 48, 1152-1157.	0.9	18
125	High-Precision Attitude Tracking Control of Space Manipulator System Under Multiple Disturbances. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4274-4284.	9.3	18
126	Flatness-based trajectory planning for a quadrotor Unmanned Aerial Vehicle test-bed considering actuator and system constraints. , 2012, , .		17

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127	Fault tolerant cooperative control of multiple UAVs-UGVs under actuator faults. , 2015, , .		17
128	A Review on Operation, Control and Protection of Smart Microgrids. , 2019, , .		17
129	Belt grinding process with force control system for blade of aero-engine. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2016, 230, 858-869.	2.4	16
130	Fault-Tolerant Cooperative Motion Planning of Connected and Automated Vehicles at a Signal-Free and Lane-Free Intersection. IFAC-PapersOnLine, 2018, 51, 60-67.	0.9	16
131	A Virtual HF Signal Injection Based Maximum Efficiency per Ampere Tracking Control for IPMSM Drive. IEEE Transactions on Power Electronics, 2020, 35, 6102-6113.	7.9	16
132	Analysis of the stochastic stability for fault tolerant control systems. , 0, , .		15
133	Dead reckoning and Kalman filter design for trajectory tracking of a quadrotor UAV. , 2010, , .		15
134	Sense and collision avoidance of Unmanned Aerial Vehicles using Markov Decision Process and flatness approach. , 2015, , .		15
135	Adaptive Lane Change Trajectory Planning Scheme for Autonomous Vehicles Under Various Road Frictions and Vehicle Speeds. IEEE Transactions on Intelligent Vehicles, 2023, 8, 1252-1265.	12.7	15
136	Robust Fault-Tolerant Control using on-line control re-allocation with application to aircraft. , 2009, , .		14
137	A data-driven fault tolerant model predictive control with fault identification. , 2010, , .		14
138	Actuator fault-tolerant control based on Gain-Scheduled PID with application to fixed-wing Unmanned Aerial Vehicle. , 2013, , .		13
139	Actuator Fault Diagnosis in a Boeing 747 Model via Adaptive Modified Two-Stage Kalman Filter. International Journal of Aerospace Engineering, 2014, 2014, 1-10.	0.9	13
140	Sliding Mode Reconfigurable Control Using Information on the Control Effectiveness of Actuators. Journal of Aerospace Engineering, 2014, 27, 587-596.	1.4	13
141	On-road Trajectory Planning with Spatio-temporal RRT* and Always-feasible Quadratic Program. , 2020, , .		13
142	Safety Flight Control Design of a Quadrotor UAV With Capability Analysis. IEEE Transactions on Cybernetics, 2023, 53, 1738-1751.	9.5	13
143	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.	9.8	13
144	Sliding Mode Observer-Based Fault Detection and Isolation in Flight Control Systems. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	12

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145	A review on application of monitoring, diagnosis, and fault-tolerant control to wind turbines. , 2013, , .		12
146	Decentralized leader-follower formation control with obstacle avoidance of multiple unicycle mobile robots. , 2015, , .		12
147	Fast Trajectory Planning for Off-Road Autonomous Driving with a Spatiotemporal Tunnel and Numerical Optimal Control Approach. , 2019, , .		12
148	UAV-Based Air Pollutant Source Localization Using Combined Metaheuristic and Probabilistic Methods. Applied Sciences (Switzerland), 2019, 9, 3712.	2.5	12
149	Prescribed performance-based distributed fault-tolerant cooperative control for multi-UAVs. Transactions of the Institute of Measurement and Control, 2019, 41, 975-989.	1.7	12
150	The Design of Quasi-Optimal Higher Order Sliding Mode Control via Disturbance Observer and Switching-Gain Adaptation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4817-4827.	9.3	12
151	Dual-Disturbance Observers-Based Control for a Class of Singularly Perturbed Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2423-2434.	9.3	12
152	Adaptive Trajectory Tracking for Car-Like Vehicles With Input Constraints. IEEE Transactions on Industrial Electronics, 2022, 69, 2801-2810.	7.9	12
153	Accurate High-Maneuvering Trajectory Tracking for Quadrotors: A Drag Utilization Method. IEEE Robotics and Automation Letters, 2022, 7, 6966-6973.	5.1	12
154	Fault-tolerant controller synthesis for piecewise-affine systems. , 2009, , .		11
155	Self healing control method against unmanned helicopter actuator stuck faults. , 2014, , .		11
156	Self-Healing Control Design under Actuator Fault Occurrence on Single-rotor Unmanned Helicopters. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 84, 21-35.	3.4	11
157	Trajectory Planning for Terminal Area Energy Management Phase of Reusable Launch Vehicles. IFAC-PapersOnLine, 2016, 49, 462-467.	0.9	11
158	RBF-ARX model-based fast robust MPC approach to an inverted pendulum. ISA Transactions, 2019, 93, 255-267.	5.7	11
159	Decentralized MPC for UAVs Formation Deployment and Reconfiguration with Multiple Outgoing Agents. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 97, 155-170.	3.4	11
160	An enhanced anti-disturbance control law for systems with multiple disturbances. Science China Information Sciences, 2020, 63, 1.	4.3	11
161	Hybrid Disturbance Observer-Based Anti-Disturbance Composite Control With Applications to Mars Landing Mission. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2885-2893.	9.3	11
162	Safety Control for Quadrotor UAV Against Ground Effect and Blade Damage. IEEE Transactions on Industrial Electronics, 2022, 69, 13373-13383.	7.9	11

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163	Short-Time Adaline Based Fault Feature Extraction for Inter-Turn Short Circuit Diagnosis of PMSM via Residual Insulation Monitoring. IEEE Transactions on Industrial Electronics, 2023, 70, 3103-3114.	7.9	11
164	Cooperative localization of UAV based on information synchronization. , 2010, , .		10
165	A disturbance-decoupled adaptive observer and its application to faulty parameters estimation of a hydraulically driven elevator. International Journal of Adaptive Control and Signal Processing, 2011, 25, 519-534.	4.1	10
166	Predictive Control of a Closed Grinding Circuit System in Cement Industry. IEEE Transactions on Industrial Electronics, 2018, 65, 4070-4079.	7.9	10
167	Distributed Fractional-Order Finite-Time Control for Multiple Unmanned Aerial Vehicles. , 2018, , .		10
168	DBN based SD-ARX model for nonlinear time series prediction and analysis. Applied Intelligence, 2020, 50, 4586-4601.	5.3	10
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