

Xiang Yu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

258
papers

7,301
citations

37
h-index

79
g-index

305
ext. papers

9,709
ext. citations

4.3
avg, IF

6.91
L-index

#	Paper	IF	Citations
258	Fault-tolerant control design for a class of nonlinear systems with actuator malfunctions. <i>International Journal of Robust and Nonlinear Control</i> , 2022 , 32, 2828-2844	3.6	0
257	Fault-Tolerant Formation Control of WMRs Team Based on Hybrid GA-PSO. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 3585-3597	0.2	
256	Observer-Based Detection and Estimation for UAVs Subject to Remote Signal Attacks and Disturbances. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 2959-2970	0.2	
255	Safety Control for Quadrotor UAV against Ground Effect and Blade Damage. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	4
254	Integrated path planning and trajectory tracking control for quadrotor UAVs with obstacle avoidance in the presence of environmental and systematic uncertainties: Theory and experiment. <i>Aerospace Science and Technology</i> , 2022 , 120, 107277	4.9	5
253	Autonomous Driving on Curvy Roads Without Reliance on Frenet Frame: A Cartesian-Based Trajectory Planning Method. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-13	6.1	7
252	A Composite Adaptive Fault-Tolerant Attitude Control for a Quadrotor UAV with Multiple Uncertainties. <i>Journal of Systems Science and Complexity</i> , 2022 , 35, 81-104	1	3
251	Enhanced Recurrent Fuzzy Neural Fault-Tolerant Synchronization Tracking Control of Multiple Unmanned Airships via Fractional Calculus and Fixed-Time Prescribed Performance Function. <i>IEEE Transactions on Fuzzy Systems</i> , 2022 , 1-1	8.3	3
250	Online Trajectory Replanning for Sudden Environmental Changes during Automated Parking: A Parallel Stitching Method. <i>IEEE Transactions on Intelligent Vehicles</i> , 2022 , 1-1	5	5
249	Composite Filtering for UWB-Based Localization of Quadrotor UAV With Skewed Measurements and Uncertain Dynamics. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022 , 71, 1-13	5.2	0
248	Hyperspectral linear unmixing based on collaborative sparsity and multi-band non-local total variation. <i>International Journal of Remote Sensing</i> , 2022 , 43, 1-26	3.1	1
247	Short-Time Adaline based Fault Feature Extraction for Inter-turn Short Circuit Diagnosis of PMSM via Residual Insulation Monitoring. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	0
246	A Comprehensive Review on Signal-Based and Model-Based Condition Monitoring of Wind Turbines: Fault Diagnosis and Lifetime Prognosis. <i>Proceedings of the IEEE</i> , 2022 , 1-53	14.3	4
245	Adaptive Lane Change Trajectory Planning Scheme for Autonomous Vehicles under Various Road Frictions and Vehicle Speeds. <i>IEEE Transactions on Intelligent Vehicles</i> , 2022 , 1-1	5	1
244	Fault-Tolerant Cooperative Control of Large-Scale Wind Farms and Wind Farm Clusters. <i>Energies</i> , 2021 , 14, 7436	3.1	2
243	An enhanced UAV safety control scheme against attacks on desired trajectory. <i>Aerospace Science and Technology</i> , 2021 , 119, 107212	4.9	0
242	Safety Flight Control for a Quadrotor UAV Using Differential Flatness and Dual-loop Observers. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	0

241	Velocity-Tracking Control Based on Refined Disturbance Observer for Gimbal Servo System with Multiple Disturbances. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	3
240	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021 , 1-1	3.7	1
239	State estimation with multi-level vector quantisation and communication uncertainty. <i>International Journal of Systems Science</i> , 2021 , 52, 1297-1314	2.3	0
238	A review on fault-tolerant cooperative control of multiple unmanned aerial vehicles. <i>Chinese Journal of Aeronautics</i> , 2021 , 35, 1-1	3.7	11
237	Partially Integrated Guidance and Control of Quadrotors Subject to Multiple Uncertainties 2021 ,		1
236	New health-state assessment model based on belief rule base with interpretability. <i>Science China Information Sciences</i> , 2021 , 64, 1	3.4	5
235	Underwater image enhancement based on colour correction and fusion. <i>IET Image Processing</i> , 2021 , 15, 2591-2603	1.7	1
234	Design of an Aerial Manipulator System Applied to Capture Missions 2021 ,		2
233	Fault Modeling, Estimation, and Fault-Tolerant Steering Logic Design for Single-Gimbal Control Moment Gyro. <i>IEEE Transactions on Control Systems Technology</i> , 2021 , 29, 428-435	4.8	7
232	Real-Time Fault-Tolerant Formation Control of Multiple WMRs Based on Hybrid GABSO Algorithm. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 18, 1263-1276	4.9	6
231	Hybrid Disturbance Observer-Based Anti-Disturbance Composite Control With Applications to Mars Landing Mission. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 2885-2893	7.3	6
230	A modelling and predictive control approach to linear two-stage inverted pendulum based on RBF-ARX model. <i>International Journal of Control</i> , 2021 , 94, 351-369	1.5	3
229	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021 , 57, 586-596	3.7	7
228	Optimal Path Tracking With Dubins Vehicles. <i>IEEE Systems Journal</i> , 2021 , 15, 466-477	4.3	0
227	Fixed-Time Actuator Fault Accommodation Applied to Hypersonic Gliding Vehicles. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 18, 1429-1440	4.9	12
226	Detection, estimation, and compensation of false data injection attack for UAVs. <i>Information Sciences</i> , 2021 , 546, 723-741	7.7	14
225	Nussbaum-based finite-time fractional-order backstepping fault-tolerant flight control of fixed-wing UAV against input saturation with hardware-in-the-loop validation. <i>Mechanical Systems and Signal Processing</i> , 2021 , 153, 107406	7.8	18
224	Composite Adaptive Disturbance Observer-Based Decentralized Fractional-Order Fault-Tolerant Control of Networked UAVs. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-15	7.3	14

223	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 4274-4284	7.3	5
222	A synthesis approach of fast robust MPC with RBF-ARX model to nonlinear system with uncertain steady status information. <i>Applied Intelligence</i> , 2021 , 51, 19-36	4.9	1
221	Closed-Loop Based Control Allocation for Spacecraft Attitude Stabilization with Actuator Faults 2021 , 185-217		1
220	Dual-Disturbance Observers-Based Control for a Class of Singularly Perturbed Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-12	7.3	3
219	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021 , 1-1	3.7	2
218	Robust predictive control of coupled water tank plant. <i>Applied Intelligence</i> , 2021 , 51, 5726-5744	4.9	2
217	Safety Flight Control Design of a Quadrotor UAV With Capability Analysis. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	1
216	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021 , 1-1	3.7	13
215	Module-based Active Equalization for Battery Packs: A Two-Layer Model Predictive Control Strategy. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 1-1	7.6	4
214	Quadrotor actuator fault diagnosis and accommodation based on nonlinear adaptive state observer 2021 , 305-326		0
213	Adaptive Trajectory Tracking for Car-like Vehicles with Input Constraints. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	2
212	Fractional-Order Adaptive Fault-Tolerant Synchronization Tracking Control of Networked Fixed-Wing UAVs Against Actuator-Sensor Faults via Intelligent Learning Mechanism. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 5539-5553	10.3	15
211	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	2.9	8
210	Path Following Control for UAV Using Deep Reinforcement Learning Approach. <i>Research on World Agricultural Economy</i> , 2021 , 01, 2150005		7
209	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	3.9	8
208	Freshness constraints of an age of information based event-triggered Kalman consensus filter algorithm over a wireless sensor network. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2021 , 22, 51-67	2.2	
207	Velocity-Free Saturated Control for Spacecraft Proximity Operations With Guaranteed Safety. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-13	7.3	1
206	Cost Evaluation of Approximate Controllability and Fault Recoverability for Switched Infinite-Dimensional Linear Systems. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	

205	Occlusion-Aware Path Planning to Promote Infrared Positioning Accuracy for Autonomous Driving in a Warehouse. <i>Electronics (Switzerland)</i> , 2021 , 10, 3093	2.6	0
204	Distributed adaptive fault-tolerant close formation flight control of multiple trailing fixed-wing UAVs. <i>ISA Transactions</i> , 2020 , 106, 181-199	5.5	14
203	Active fault-tolerant control for a quadrotor helicopter against actuator faults and model uncertainties. <i>Aerospace Science and Technology</i> , 2020 , 99, 105745	4.9	18
202	Formation control and coordination of multiple unmanned ground vehicles in normal and faulty situations: A review. <i>Annual Reviews in Control</i> , 2020 , 49, 128-144	10.3	33
201	A dual adaptive fault-tolerant control for a quadrotor helicopter against actuator faults and model uncertainties without overestimation. <i>Aerospace Science and Technology</i> , 2020 , 99, 105744	4.9	9
200	Fractional-Order Sliding-Mode Fault-Tolerant Neural Adaptive Control of Fixed-Wing UAV With Prescribed Tracking Performance 2020 ,		2
199	Maneuver Planning for Automatic Parking with Safe Travel Corridors: A Numerical Optimal Control Approach 2020 ,		6
198	Square-root cubature Kalman filter-based vector tracking algorithm in GPS signal harsh environments. <i>IET Radar, Sonar and Navigation</i> , 2020 , 14, 1968-1975	1.4	1
197	Design and calibration model of a bioinspired attitude and heading reference system based on compound eye polarization compass. <i>Bioinspiration and Biomimetics</i> , 2020 , 16, 016001	2.6	10
196	Operating Range Scheduled Robust Dahlin Algorithm to Typical Industrial Process with Input Constraint. <i>International Journal of Control, Automation and Systems</i> , 2020 , 18, 897-910	2.9	2
195	A Virtual HF Signal Injection Based Maximum Efficiency per Ampere Tracking Control for IPMSM Drive. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 6102-6113	7.2	4
194	Decentralized finite-time adaptive fault-tolerant synchronization tracking control for multiple UAVs with prescribed performance. <i>Journal of the Franklin Institute</i> , 2020 , 357, 11830-11862	4	21
193	A Fast Estimation of Initial Rotor Position for Low-Speed Free-Running IPMSM. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 7664-7673	7.2	11
192	Multiple observers based anti-disturbance control for a quadrotor UAV against payload and wind disturbances. <i>Control Engineering Practice</i> , 2020 , 102, 104560	3.9	42
191	Trajectory Planning and Tracking Strategy Applied to an Unmanned Ground Vehicle in the Presence of Obstacles. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020 , 1-15	4.9	11
190	DBN based SD-ARX model for nonlinear time series prediction and analysis. <i>Applied Intelligence</i> , 2020 , 50, 4586-4601	4.9	4
189	Passive Fault-Tolerant Control Strategies for Power Converter in a Hybrid Microgrid. <i>Energies</i> , 2020 , 13, 5625	3.1	8
188	On-road Trajectory Planning with Spatio-temporal RRT* and Always-feasible Quadratic Program 2020 ,		5

187	Generalised formulations for minimum distance trajectory in patrolling problems. <i>IET Control Theory and Applications</i> , 2020 , 14, 1401-1410	2.5	2
186	A YOLOv3-based Learning Strategy for Real-time UAV-based Forest Fire Detection 2020 ,		7
185	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 4817-4827	7.3	7
184	Decentralized MPC for UAVs Formation Deployment and Reconfiguration with Multiple Outgoing Agents. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2020 , 97, 155-170	2.9	7
183	Composite Nonsingular Terminal Sliding Mode Attitude Controller for Spacecraft With Actuator Dynamics Under Matched and Mismatched Disturbances. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 1153-1162	11.9	25
182	An enhanced anti-disturbance control law for systems with multiple disturbances. <i>Science China Information Sciences</i> , 2020 , 63, 1	3.4	8
181	A Backstepping Control Strategy for Fixed Wing UAV under Actuator Failure 2019 ,		1
180	Fault-Tolerant Adaptive Neural Control of Multi-UAVs Against Actuator Faults 2019 ,		3
179	Distributed Control of Multi-Agent Systems With Limited Communication Range in the Fixed Obstacle Environments. <i>IEEE Access</i> , 2019 , 7, 118259-118268	3.5	2
178	Fast Trajectory Planning for Off-Road Autonomous Driving with a Spatiotemporal Tunnel and Numerical Optimal Control Approach * 2019 ,		3
177	Robust Predictive Control Algorithm Based on Parameter Variation Rate Information of Functional-Coefficient ARX Model. <i>IEEE Access</i> , 2019 , 7, 27231-27243	3.5	6
176	RBF-ARX model-based fast robust MPC approach to an inverted pendulum. <i>ISA Transactions</i> , 2019 , 93, 255-267	5.5	3
175	A hybrid modelling method for time series forecasting based on a linear regression model and deep learning. <i>Applied Intelligence</i> , 2019 , 49, 3002-3015	4.9	37
174	High-Precision Trajectory Tracking Control for Space Manipulator With Neutral Uncertainty and Deadzone Nonlinearity. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 2254-2262	4.8	13
173	Trajectory Planning for a Tractor with Multiple Trailers in Extremely Narrow Environments: A Unified Approach* 2019 ,		11
172	A Solution for Searching and Monitoring Forest Fires Based on Multiple UAVs 2019 ,		2
171	A Deep Learning Based Forest Fire Detection Approach Using UAV and YOLOv3 2019 ,		24
170	A Review on Operation, Control and Protection of Smart Microgrids 2019 ,		7

169	Passive Fault-Tolerant Control of PWM Converter in a Hybrid AC/DC Microgrid 2019 ,		4
168	Dual-Disturbance Observers-based Control of UAV Subject to Internal and External Disturbances 2019 ,		5
167	AI-Driven Intelligent Fault Detection and Diagnosis in a Hybrid AC/DC Microgrid 2019 ,		5
166	Distributed adaptive fractional-order fault-tolerant cooperative control of networked unmanned aerial vehicles via fuzzy neural networks. <i>IET Control Theory and Applications</i> , 2019 , 13, 2917-2929	2.5	32
165	UAV-Based Air Pollutant Source Localization Using Combined Metaheuristic and Probabilistic Methods. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3712	2.6	5
164	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	2.9	17
163	Distributed Fault-Tolerant Cooperative Control for Multi-UAVs Under Actuator Fault and Input Saturation. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 2417-2429	4.8	55
162	Prescribed performance-based distributed fault-tolerant cooperative control for multi-UAVs. <i>Transactions of the Institute of Measurement and Control</i> , 2019 , 41, 975-989	1.8	9
161	Disturbance observer-based adaptive fault-tolerant control for a quadrotor helicopter subject to parametric uncertainties and external disturbances. <i>Mechanical Systems and Signal Processing</i> , 2019 , 120, 727-743	7.8	63
160	Yaw-Guided Trajectory Tracking Control of an Asymmetric Underactuated Surface Vehicle. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 3502-3513	11.9	77
159	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2019 , 55, 1743-1755	3.7	10
158	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	3.6	15
157	Collision-Free Trajectory Generation and Tracking for UAVs Using Markov Decision Process in a Cluttered Environment. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2019 , 93, 17-32	2.9	18
156	Learning-Based Smoke Detection for Unmanned Aerial Vehicles Applied to Forest Fire Surveillance. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2019 , 93, 337-349	2.9	25
155	Observer-Based Output Feedback Attitude Stabilization for Spacecraft With Finite-Time Convergence. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 781-789	4.8	40
154	Observer-based fault-tolerant control of hypersonic scramjet vehicles in the presence of actuator faults and saturation. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 5377-5393	3.6	4
153	Fault-Tolerant Containment Control of Multiple Unmanned Aerial Vehicles Based on Distributed Sliding-Mode Observer. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2019 , 93, 163-177	2.9	21
152	Predictive Control of a Closed Grinding Circuit System in Cement Industry. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 4070-4079	8.9	6

151	The Design of Fixed-Time Observer and Finite-Time Fault-Tolerant Control for Hypersonic Gliding Vehicles. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 4135-4144	8.9	154
150	Nussbaum-type functionBased attitude control of spacecraft with actuator saturation. <i>International Journal of Robust and Nonlinear Control</i> , 2018 , 28, 2927-2949	3.6	29
149	An Adaptive Fault-Tolerant Sliding Mode Control Allocation Scheme for Multirotor Helicopter Subject to Simultaneous Actuator Faults. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 4227-4236	8.9	76
148	. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 3881-3891	11.9	22
147	Safe control of trailing UAV in close formation flight against actuator fault and wake vortex effect. <i>Aerospace Science and Technology</i> , 2018 , 77, 189-205	4.9	34
146	Velocity-free attitude coordinated tracking control for spacecraft formation flying. <i>ISA Transactions</i> , 2018 , 73, 54-65	5.5	24
145	Fault-Tolerant Cooperative Control Design of Multiple Wheeled Mobile Robots. <i>IEEE Transactions on Control Systems Technology</i> , 2018 , 26, 756-764	4.8	58
144	Aircraft Fault Accommodation With Consideration of Actuator Control Authority and Gyro Availability. <i>IEEE Transactions on Control Systems Technology</i> , 2018 , 26, 1285-1299	4.8	28
143	3D gliding guidance for an unpowered RLV in the TAEM phase 2018 ,		2
142	Fault-Tolerant Aircraft Control Based on Self-Constructing Fuzzy Neural Networks and Multivariable SMC Under Actuator Faults. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 2324-2335	8.3	75
141	A Global Path Planning Algorithm for Fixed-wing UAVs. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2018 , 91, 691-707	2.9	17
140	A High-Precision Vision-Based Mobile Robot Slope Detection Method in Unknown Environment 2018 ,		1
139	Active Fault-Tolerant Tracking Control of a Quadrotor UAV 2018 ,		1
138	Fault-Tolerant Cooperative Motion Planning of Connected and Automated Vehicles at a Signal-Free and Lane-Free Intersection. <i>IFAC-PapersOnLine</i> , 2018 , 51, 60-67	0.7	8
137	Fault-Tolerant Cooperative Control for Multiple UAVs Based on UDE and Model Following SMC. <i>IFAC-PapersOnLine</i> , 2018 , 51, 447-452	0.7	2
136	Performance Analysis of Switched Control Systems Under Common-source Digital Upsets Modeled by MDHMM. <i>Complexity</i> , 2018 , 2018, 1-12	1.6	5
135	Line-of-Sight Path Following Control on UAV with Sideslip Estimation and Compensation 2018 ,		6
134	Robust Actuator Fault Detection and Diagnosis for a Quadrotor UAV With External Disturbances. <i>IEEE Access</i> , 2018 , 6, 48169-48180	3.5	32

133	Distributed Fractional-Order Finite-Time Control for Multiple Unmanned Aerial Vehicles 2018,		7
132	Automated Maneuvering Decision for UAVs in Forest Surveillance and Fire Detection Missions* 2018,		1
131	UAV-based Air Pollutant Source Localization Using Gradient and Probabilistic Methods 2018,		3
130	Flocking control of a fleet of unmanned aerial vehicles. <i>Control Theory and Technology</i> , 2018 , 16, 82-92	1	4
129	Aerial Images-Based Forest Fire Detection for Firefighting Using Optical Remote Sensing Techniques and Unmanned Aerial Vehicles. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2017 , 88, 635-654	2.9	83
128	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	2.9	15
127	Non-prespecified Starting Depot Formulations for Minimum-Distance Trajectory Optimization in Patrolling Problem. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2017 , 87, 699-710	2.9	2
126	Experimental Test of Unmanned Ground Vehicle Delivering Goods Using RRT Path Planning Algorithm. <i>Unmanned Systems</i> , 2017 , 05, 45-57	3	20
125	DOB-Based Neural Control of Flexible Hypersonic Flight Vehicle Considering Wind Effects. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 8676-8685	8.9	143
124	Adaptive Fault-tolerant Attitude Control for Spacecraft Under Loss of Actuator Effectiveness 2017 , 645-666		1
123	Fault-tolerant cooperative control for multiple UAVs based on sliding mode techniques. <i>Science China Information Sciences</i> , 2017 , 60, 1	3.4	29
122	Active Fault-Tolerant Control of Unmanned Quadrotor Helicopter Using Linear Parameter Varying Technique. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2017 , 88, 415-436	2.9	20
121	Adaptive robust tracking control of quadrotor helicopter with parametric uncertainty and external disturbance 2017 ,		1
120	Multiple UAVs in forest fire fighting mission using particle swarm optimization 2017 ,		32
119	Path following control of unmanned quadrotor helicopter with obstacle avoidance capability 2017 ,		2
118	Collision-free trajectory generation for UAVs using Markov decision process 2017 ,		3
117	Fuzzy Logic Aided Fault-Tolerant Control Applied to Transport Aircraft Subject to Actuator Stuck Failures. <i>IEEE Transactions on Fuzzy Systems</i> , 2017 , 1-1	8.3	4
116	Fault-Tolerant Flight Control Design With Finite-Time Adaptation Under Actuator Stuck Failures. <i>IEEE Transactions on Control Systems Technology</i> , 2017 , 25, 1431-1440	4.8	51

115	performance control of robot manipulators with kinematics, dynamics and actuator uncertainties. <i>International Journal of Robust and Nonlinear Control</i> , 2017 , 27, 875-893	3.6	5
114	Sensor Fault Diagnosis for Unmanned Quadrotor Helicopter via Adaptive Two-Stage Extended Kalman Filter 2017 ,		5
113	Adaptive Multivariable Integral TSMC of a Hypersonic Gliding Vehicle With Actuator Faults and Model Uncertainties. <i>IEEE/ASME Transactions on Mechatronics</i> , 2017 , 22, 2723-2735	5.5	37
112	Tire-road friction coefficient estimation based on longitudinal measurements 2017 ,		2
111	Robust adaptive dynamic surface control for receiver UAV during boom refueling in the presence of vortex 2017 ,		1
110	An advanced sense and collision avoidance strategy for unmanned aerial vehicles in landing phase. <i>IEEE Aerospace and Electronic Systems Magazine</i> , 2016 , 31, 40-52	2.4	13
109	Cooperative control of multiple UAVs for forest fire monitoring and detection 2016 ,		11
108	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	20
107	Real-time autonomous take-off, tracking and landing of UAV on a moving UGV platform 2016 ,		20
106	Fault-tolerant formation control of multiple UAVs in the presence of actuator faults. <i>International Journal of Robust and Nonlinear Control</i> , 2016 , 26, 2668-2685	3.6	71
105	Belt grinding process with force control system for blade of aero-engine. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2016 , 230, 858-869	2.4	9
104	Fault-Tolerant Flight Control Design with Explicit Consideration of Reconfiguration Transients. <i>Journal of Guidance, Control, and Dynamics</i> , 2016 , 39, 556-563	2.1	36
103	A Learning-Based Fault Tolerant Tracking Control of an Unmanned Quadrotor Helicopter. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2016 , 84, 145-162	2.9	31
102	Fault-Tolerant Control of Quadrotor Helicopter Using Gain-Scheduled PID and Model Reference Adaptive Control 2016 , 3, 108-118		6
101	Experimental Test of Artificial Potential Field-Based Automobiles Automated Perpendicular Parking. <i>International Journal of Vehicular Technology</i> , 2016 , 2016, 1-10		2
100	Vision-based forest fire detection in aerial images for firefighting using UAVs 2016 ,		18
99	Set-membership estimation-based adaptive reconfiguration scheme for linear systems with disturbances. <i>International Journal of Adaptive Control and Signal Processing</i> , 2016 , 30, 359-374	2.8	3
98	Fault-tolerant cooperative control of WMRs under actuator faults based on particle swarm optimization 2016 ,		4

97	Wind estimation using the position information from a hovering quadrotor 2016 ,		3
96	Self-Healing Control Design under Actuator Fault Occurrence on Single-rotor Unmanned Helicopters. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2016 , 84, 21-35	2.9	8
95	Unmanned surface vehicles: An overview of developments and challenges. <i>Annual Reviews in Control</i> , 2016 , 41, 71-93	10.3	383
94	Trajectory Planning for Terminal Area Energy Management Phase of Reusable Launch Vehicles. <i>IFAC-PapersOnLine</i> , 2016 , 49, 462-467	0.7	6
93	A Distributed Deployment Strategy for a Network of Cooperative Autonomous Vehicles. <i>IEEE Transactions on Control Systems Technology</i> , 2015 , 23, 737-745	4.8	33
92	A survey on technologies for automatic forest fire monitoring, detection, and fighting using unmanned aerial vehicles and remote sensing techniques. <i>Canadian Journal of Forest Research</i> , 2015 , 45, 783-792	1.9	291
91	A survey of fault-tolerant controllers based on safety-related issues. <i>Annual Reviews in Control</i> , 2015 , 39, 46-57	10.3	121
90	Formation control of multiple quadrotors based on leader-follower method 2015 ,		28
89	Fault-Tolerant Cooperative Control of Multiple Wheeled Mobile Robots Under Actuator Faults. <i>IFAC-PapersOnLine</i> , 2015 , 48, 1152-1157	0.7	14
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