

Xiang Yu

List of Publications by Citations

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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	Bibliographical review on reconfigurable fault-tolerant control systems. <i>Annual Reviews in Control</i> , 2008 , 32, 229-252	10.3	1517
257	Unmanned surface vehicles: An overview of developments and challenges. <i>Annual Reviews in Control</i> , 2016 , 41, 71-93	10.3	383
256	Fault-tolerant control systems: A comparative study between active and passive approaches. <i>Annual Reviews in Control</i> , 2012 , 36, 60-72	10.3	336
255	Adaptive Sliding Mode Fault Tolerant Attitude Tracking Control for Flexible Spacecraft Under Actuator Saturation. <i>IEEE Transactions on Control Systems Technology</i> , 2012 , 20, 1605-1612	4.8	296
254	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
253	Sense and avoid technologies with applications to unmanned aircraft systems: Review and prospects. <i>Progress in Aerospace Sciences</i> , 2015 , 74, 152-166	8.8	163
252	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2003 , 39, 838-848	3.7	155
251	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
250	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
249	A survey of fault-tolerant controllers based on safety-related issues. <i>Annual Reviews in Control</i> , 2015 , 39, 46-57	10.3	121
248	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2012 , 48, 2832-2848	3.7	114
247	Fault-Tolerant Tracking Control of Spacecraft with Attitude-Only Measurement Under Actuator Failures. <i>Journal of Guidance, Control, and Dynamics</i> , 2014 , 37, 838-849	2.1	93
246	Fault tolerant control of a quadrotor UAV using sliding mode control 2010 ,		93
245	Wind Turbine Fault Diagnosis and Fault-Tolerant Torque Load Control Against Actuator Faults. <i>IEEE Transactions on Control Systems Technology</i> , 2015 , 23, 1351-1372	4.8	92
244	Experimental Test of a Two-Stage Kalman Filter for Actuator Fault Detection and Diagnosis of an Unmanned Quadrotor Helicopter. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2013 , 70, 107-117	2.9	91
243	Hybrid Fault-Tolerant Flight Control System Design Against Partial Actuator Failures. <i>IEEE Transactions on Control Systems Technology</i> , 2012 , 20, 871-886	4.8	86
242	Finite-Time Attitude Tracking of Spacecraft With Fault-Tolerant Capability. <i>IEEE Transactions on Control Systems Technology</i> , 2015 , 23, 1338-1350	4.8	84

241	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
240	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
239	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
238	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
237	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
236	Sliding mode fault tolerant control dealing with modeling uncertainties and actuator faults. <i>ISA Transactions</i> , 2012 , 51, 386-92	5.5	66
235	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
234	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
233	Stochastic stability analysis of fault-tolerant control systems in the presence of noise. <i>IEEE Transactions on Automatic Control</i> , 2001 , 46, 1810-1815	5.9	56
232	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
231	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
230	A survey on multiple unmanned vehicles formation control and coordination: Normal and fault situations 2013 ,		49
229	Fault Tolerant Formations Control of UAVs Subject to Permanent and Intermittent Faults. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2014 , 73, 589-602	2.9	44
228	A Review on Fault Diagnosis and Fault Tolerant Control Methods for Single-rotor Aerial Vehicles. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2014 , 73, 535-555	2.9	42
227	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
226	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2013 , 49, 744-759	3.7	40
225	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
224	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

223	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
222	Reconfigurable Control Allocation against Aircraft Control Effector Failures. <i>Control Applications (CCA), Proceedings of the IEEE International Conference on</i> , 2007 ,		37
221	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
220	Design of feedback linearization control and reconfigurable control allocation with application to a quadrotor UAV 2010 ,		36
219	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
218	Modeling and control approach to a distinctive quadrotor helicopter. <i>ISA Transactions</i> , 2014 , 53, 173-85	5.5	34
217	ISSUES ON INTEGRATION OF FAULT DIAGNOSIS AND RECONFIGURABLE CONTROL IN ACTIVE FAULT-TOLERANT CONTROL SYSTEMS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006 , 39, 1437-1448		34
216	A fast U-D factorization-based learning algorithm with applications to nonlinear system modeling and identification. <i>IEEE Transactions on Neural Networks</i> , 1999 , 10, 930-8		34
215	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
214	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
213	Multiple UAVs in forest fire fighting mission using particle swarm optimization 2017 ,		32
212	Stabilization of Active Fault Tolerant Control Systems with Imperfect Fault Detection and Diagnosis. <i>Stochastic Analysis and Applications</i> , 2003 , 21, 673-701	1.1	32
211	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
210	Robust Actuator Fault Detection and Diagnosis for a Quadrotor UAV With External Disturbances. <i>IEEE Access</i> , 2018 , 6, 48169-48180	3.5	32
209	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
208	Fault-tolerant cooperative control for multiple UAVs based on sliding mode techniques. <i>Science China Information Sciences</i> , 2017 , 60, 1	3.4	29
207	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
206	Formation control of multiple quadrotors based on leader-follower method 2015 ,		28

205	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
204	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
203	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
202	Velocity-free attitude coordinated tracking control for spacecraft formation flying. <i>ISA Transactions</i> , 2018 , 73, 54-65	5.5	24
201	A Deep Learning Based Forest Fire Detection Approach Using UAV and YOLOv3 2019 ,		24
200	. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 3881-3891	11.9	22
199	Fault-tolerant shortest connection topology design for formation control. <i>International Journal of Control, Automation and Systems</i> , 2014 , 12, 29-36	2.9	22
198	Trajectory Planning and Replanning Strategies Applied to a Quadrotor Unmanned Aerial Vehicle. <i>Journal of Guidance, Control, and Dynamics</i> , 2012 , 35, 1667-1671	2.1	22
197	Trajectory planning and re-planning for fault tolerant formation flight control of quadrotor unmanned aerial vehicles 2012 ,		22
196	Design of passive fault-tolerant flight controller against actuator failures. <i>Chinese Journal of Aeronautics</i> , 2015 , 28, 180-190	3.7	21
195	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
194	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
193	Experimental Test of Unmanned Ground Vehicle Delivering Goods Using RRT Path Planning Algorithm. <i>Unmanned Systems</i> , 2017 , 05, 45-57	3	20
192	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
191	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
190	Real-time autonomous take-off, tracking and landing of UAV on a moving UGV platform 2016 ,		20
189	Fault-tolerant control with linear quadratic and model predictive control techniques against actuator faults in a quadrotor UAV 2013 ,		20
188	Observer-Based Attitude Control for Satellite Under Actuator Fault. <i>Journal of Guidance, Control, and Dynamics</i> , 2015 , 38, 806-811	2.1	19

187	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
186	Fault diagnosis and fault tolerant control methods for manned and unmanned helicopters: A literature review 2013 ,		18
185	A literature review on Fault Diagnosis methods for manned and unmanned helicopters 2013 ,		18
184	Vision-based forest fire detection in aerial images for firefighting using UAVs 2016 ,		18
183	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
182	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
181	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
180	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
179	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2012 , 48, 1031-1051	3.7	16
178	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
177	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
176	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
175	Fault-Tolerant Cooperative Control of Multiple Wheeled Mobile Robots Under Actuator Faults. <i>IFAC-PapersOnLine</i> , 2015 , 48, 1152-1157	0.7	14
174	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
173	DUKF-based GTM UAV fault detection and diagnosis with nonlinear and LPV models 2010 ,		14
172	Dead reckoning and Kalman filter design for trajectory tracking of a quadrotor UAV 2010 ,		14
171	Detection, estimation, and compensation of false data injection attack for UAVs. <i>Information Sciences</i> , 2021 , 546, 723-741	7.7	14
170	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

169	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
168	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
167	Flatness-based trajectory planning for a quadrotor Unmanned Aerial Vehicle test-bed considering actuator and system constraints 2012 ,		13
166	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021 , 1-1	3.7	13
165	Fault tolerant cooperative control of multiple UAVs-UGVs under actuator faults 2015 ,		12
164	Distributed coordination of multi-agent systems for coverage problem in presence of obstacles 2012 ,		12
163	Reconfigurable control allocation applied to an aircraft benchmark model 2008 ,		12
162	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
161	Cooperative control of multiple UAVs for forest fire monitoring and detection 2016 ,		11
160	Trajectory Planning for a Tractor with Multiple Trailers in Extremely Narrow Environments: A Unified Approach* 2019 ,		11
159	A Distributed Deployment Strategy for Multi-Agent Systems Subject to Health Degradation and Communication Delays. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2014 , 73, 623-633	2.9	11
158	Payload Drop Application Using an Unmanned Quadrotor Helicopter Based on Gain-Scheduled PID and Model Predictive Control. <i>Unmanned Systems</i> , 2014 , 02, 39-52	3	11
157	A review on application of monitoring, diagnosis, and fault-tolerant control to wind turbines 2013 ,		11
156	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
155	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
154	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
153	Decentralized leader-follower formation control with obstacle avoidance of multiple unicycle mobile robots 2015 ,		10
152	Sense and collision avoidance of Unmanned Aerial Vehicles using Markov Decision Process and flatness approach 2015 ,		10

151	Sliding Mode Reconfigurable Control Using Information on the Control Effectiveness of Actuators. <i>Journal of Aerospace Engineering</i> , 2014 , 27, 587-596	1.4	10
150	A data-driven fault tolerant model predictive control with fault identification 2010 ,		10
149	Robust Fault-Tolerant Control using on-line control re-allocation with application to aircraft 2009 ,		10
148	Analysis of the stochastic stability for fault tolerant control systems		10
147	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
146	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2019 , 55, 1743-1755	3.7	10
145	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
144	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
143	Optimal flight path planning for UAVs in 3-D threat environment 2014 ,		9
142	Actuator fault-tolerant control based on Gain-Scheduled PID with application to fixed-wing Unmanned Aerial Vehicle 2013 ,		9
141	Actuator Fault Diagnosis in a Boeing 747 Model via Adaptive Modified Two-Stage Kalman Filter. <i>International Journal of Aerospace Engineering</i> , 2014 , 2014, 1-10	0.9	9
140	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
139	Passive Fault-Tolerant Control Strategies for Power Converter in a Hybrid Microgrid. <i>Energies</i> , 2020 , 13, 5625	3.1	8
138	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
137	An enhanced anti-disturbance control law for systems with multiple disturbances. <i>Science China Information Sciences</i> , 2020 , 63, 1	3.4	8
136	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
135	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
134	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

133	A disturbance-decoupled adaptive observer and its application to faulty parameters estimation of a hydraulically driven elevator. <i>International Journal of Adaptive Control and Signal Processing</i> , 2011 , 25, 519-534	2.8	7
132	Cooperative localization of UAV based on information synchronization 2010 ,		7
131	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
130	A YOLOv3-based Learning Strategy for Real-time UAV-based Forest Fire Detection 2020 ,		7
129	A Review on Operation, Control and Protection of Smart Microgrids 2019 ,		7
128	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 4817-4827	7.3	7
127	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
126	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
125	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021 , 57, 586-596	3.7	7
124	Path Following Control for UAV Using Deep Reinforcement Learning Approach. <i>Research on World Agricultural Economy</i> , 2021 , 01, 2150005		7
123	Distributed Fractional-Order Finite-Time Control for Multiple Unmanned Aerial Vehicles 2018 ,		7
122	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
121	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
120	A UAV solution of regional surveillance based on pheromones and artificial potential field theory 2015 ,		6
119	Decentralized receding horizon control of multiple vehicles subject to communication failure 2009 ,		6
118	Fault-tolerant controller synthesis for piecewise-affine systems 2009 ,		6
117	Fault-tolerant control for a class of uncertain systems with actuator faults. <i>Tsinghua Science and Technology</i> , 2010 , 15, 174-183	3.4	6
116	Fault-Tolerant Control of Quadrotor Helicopter Using Gain-Scheduled PID and Model Reference Adaptive Control 2016 , 3, 108-118		6

115	Maneuver Planning for Automatic Parking with Safe Travel Corridors: A Numerical Optimal Control Approach 2020 ,		6
114	Trajectory Planning for Terminal Area Energy Management Phase of Reusable Launch Vehicles. <i>IFAC-PapersOnLine</i> , 2016 , 49, 462-467	0.7	6
113	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
112	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
111	Line-of-Sight Path Following Control on UAV with Sideslip Estimation and Compensation 2018 ,		6
110	Self healing control method against unmanned helicopter actuator stuck faults 2014 ,		5
109	A model predictive control approach for integrating a master generation unit in a microgrid 2013 ,		5
108	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
107	Sensor Fault Diagnosis for Unmanned Quadrotor Helicopter via Adaptive Two-Stage Extended Kalman Filter 2017 ,		5
106	Sense and collision avoidance of Unmanned Aerial Vehicles using geometric guidance and flatness approaches 2015 ,		5
105	Robust fault tolerant attitude stabilization control for flexible spacecraft under partial loss of actuator effectiveness 2010 ,		5
104	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
103	On-road Trajectory Planning with Spatio-temporal RRT* and Always-feasible Quadratic Program 2020 ,		5
102	New health-state assessment model based on belief rule base with interpretability. <i>Science China Information Sciences</i> , 2021 , 64, 1	3.4	5
101	Dual-Disturbance Observers-based Control of UAV Subject to Internal and External Disturbances 2019 ,		5
100	AI-Driven Intelligent Fault Detection and Diagnosis in a Hybrid AC/DC Microgrid 2019 ,		5
99	UAV-Based Air Pollutant Source Localization Using Combined Metaheuristic and Probabilistic Methods. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3712	2.6	5
98	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 4274-4284	7.3	5

97	Performance Analysis of Switched Control Systems Under Common-source Digital Upsets Modeled by MDHMM. <i>Complexity</i> , 2018 , 2018, 1-12	1.6	5
96	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
95	Analysis and Compensation of Delays in FF H1 Fieldbus Control Loop Using Model Predictive Control. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2014 , 63, 2432-2446	5.2	4
94	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
93	Fault-tolerant controller design for a master generation unit in an isolated hybrid wind-diesel power system. <i>International Journal of Robust and Nonlinear Control</i> , 2015 , 25, 761-772	3.6	4
92	Condition monitoring and fault detection of a compressor using signal processing techniques 2001 ,		4
91	Safety Control for Quadrotor UAV against Ground Effect and Blade Damage. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	4
90	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
89	DBN based SD-ARX model for nonlinear time series prediction and analysis. <i>Applied Intelligence</i> , 2020 , 50, 4586-4601	4.9	4
88	Fault-tolerant cooperative control of WMRs under actuator faults based on particle swarm optimization 2016 ,		4
87	Passive Fault-Tolerant Control of PWM Converter in a Hybrid AC/DC Microgrid 2019 ,		4
86	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
85	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
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