Youmin Zhang

List of Publications by Citations

489 papers	**11,018** citations	**50** h-index	**90** g-index
589 ext. papers	**14,589** ext. citations	**3.5** avg, IF	**7.17** L-index

#	Paper	IF	Citations
489	Bibliographical review on reconfigurable fault-tolerant control systems. *Annual Reviews in Control*, **2008**, 32, 229-252	10.3	1517
488	Unmanned surface vehicles: An overview of developments and challenges. *Annual Reviews in Control*, **2016**, 41, 71-93	10.3	383
487	Adaptive Sliding Mode Fault Tolerant Attitude Tracking Control for Flexible Spacecraft Under Actuator Saturation. *IEEE Transactions on Control Systems Technology*, **2012**, 20, 1605-1612	4.8	296
486	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	1.9	291
485	. *IEEE Transactions on Aerospace and Electronic Systems*, **1998**, 34, 1293-1313	3.7	190
484	Active fault-tolerant control system against partial actuator failures. *IET Control Theory and Applications*, **2002**, 149, 95-104		190
483	Sense and avoid technologies with applications to unmanned aircraft systems: Review and prospects. *Progress in Aerospace Sciences*, **2015**, 74, 152-166	8.8	163
482	Detection, estimation, and accommodation of loss of control effectiveness. *International Journal of Adaptive Control and Signal Processing*, **2000**, 14, 775-795	2.8	163
481	. *IEEE Transactions on Aerospace and Electronic Systems*, **2001**, 37, 1221-1235	3.7	161
480	. *IEEE Transactions on Aerospace and Electronic Systems*, **2003**, 39, 838-848	3.7	155
479	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	8.9	154
478	Development of advanced FDD and FTC techniques with application to an unmanned quadrotor helicopter testbed. *Journal of the Franklin Institute*, **2013**, 350, 2396-2422	4	150
477	DOB-Based Neural Control of Flexible Hypersonic Flight Vehicle Considering Wind Effects. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 8676-8685	8.9	143
476	A comparison of the role of two blue-green algae in THM and HAA formation. *Water Research*, **2009**, 43, 3009-18	12.5	135
475	Active Fault Tolerant Control Systems. *Lecture Notes in Control and Information Sciences*, **2003**,	0.5	126
474	. *IEEE Transactions on Aerospace and Electronic Systems*, **2012**, 48, 2832-2848	3.7	114
473	Fault-Tolerant Tracking Control of Spacecraft with Attitude-Only Measurement Under Actuator Failures. *Journal of Guidance, Control, and Dynamics*, **2014**, 37, 838-849	2.1	93

472	Fault tolerant control of a quadrotor UAV using sliding mode control **2010**,		93
471	Wind Turbine Fault Diagnosis and Fault-Tolerant Torque Load Control Against Actuator Faults. *IEEE Transactions on Control Systems Technology*, **2015**, 23, 1351-1372	4.8	92
470	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	2.9	91
469	Finite-Time Attitude Tracking of Spacecraft With Fault-Tolerant Capability. *IEEE Transactions on Control Systems Technology*, **2015**, 23, 1338-1350	4.8	84
468	Integrated Design of Reconfigurable Fault-Tolerant Control Systems. *Journal of Guidance, Control, and Dynamics*, **2001**, 24, 133-136	2.1	84
467	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	2.9	83
466	Fault-Tolerant Attitude Control for Flexible Spacecraft Without Angular Velocity Magnitude Measurement. *Journal of Guidance, Control, and Dynamics*, **2011**, 34, 1556-1561	2.1	79
465	Tracking control of spacecraft formation flying with collision avoidance. *Aerospace Science and Technology*, **2015**, 42, 353-364	4.9	78
464	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	8.9	76
463	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	8.3	75
462	An Efficient Model Predictive Control Scheme for an Unmanned Quadrotor Helicopter. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2013**, 70, 27-38	2.9	75
461	Fault recoverability and fault tolerant control for a class of interconnected nonlinear systems. *Automatica*, **2015**, 54, 49-55	5.7	74
460	Accepting performance degradation in fault-tolerant control system design. *IEEE Transactions on Control Systems Technology*, **2006**, 14, 284-292	4.8	73
459	Fault-tolerant formation control of multiple UAVs in the presence of actuator faults. *International Journal of Robust and Nonlinear Control*, **2016**, 26, 2668-2685	3.6	71
458	Fuzzy gain-scheduled active fault-tolerant control of a wind turbine. *Journal of the Franklin Institute*, **2014**, 351, 3677-3706	4	71
457	. *IEEE Transactions on Industrial Electronics*, **2015**, 62, 7191-7202	8.9	68
456	Sliding mode fault tolerant control dealing with modeling uncertainties and actuator faults. *ISA Transactions*, **2012**, 51, 386-92	5.5	66
455	Robust attitude control design for spacecraft under assigned velocity and control constraints. *ISA Transactions*, **2013**, 52, 480-93	5.5	66

454	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	7.8	63
453	A novel variable-length sliding window blockwise least-squares algorithm for on-line estimation of time-varying parameters. *International Journal of Adaptive Control and Signal Processing*, **2004**, 18, 505-521	2.8	61
452	UAV-based forest fire detection and tracking using image processing techniques **2015**,		60
451	Active fault-tolerant control system design with trajectory re-planning against actuator faults and saturation: Application to a quadrotor unmanned aerial vehicle. *International Journal of Adaptive Control and Signal Processing*, **2015**, 29, 1-23	2.8	60
450	Distributed Finite-Time Fault-Tolerant Containment Control for Multiple Unmanned Aerial Vehicles. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, 31, 2077-2091	10.3	60
449	Fault-Tolerant Cooperative Control Design of Multiple Wheeled Mobile Robots. *IEEE Transactions on Control Systems Technology*, **2018**, 26, 756-764	4.8	58
448	. *IEEE Transactions on Aerospace and Electronic Systems*, **1999**, 35, 225-241	3.7	58
447	A Review of Optimal Control Techniques Applied to the Energy Management and Control of Microgrids. *Procedia Computer Science*, **2015**, 52, 780-787	1.6	57
446	Actuator Fault Tolerant Control Design Based on a Reconfigurable Reference Input. *International Journal of Applied Mathematics and Computer Science*, **2008**, 18, 553-560	1.7	56
445	Stochastic stability analysis of fault-tolerant control systems in the presence of noise. *IEEE Transactions on Automatic Control*, **2001**, 46, 1810-1815	5.9	56
444	Distributed Fault-Tolerant Cooperative Control for Multi-UAVs Under Actuator Fault and Input Saturation. *IEEE Transactions on Control Systems Technology*, **2019**, 27, 2417-2429	4.8	55
443	A novel robust attitude control for quadrotor aircraft subject to actuator faults and wind gusts. *IEEE/CAA Journal of Automatica Sinica*, **2018**, 5, 292-300	7	52
442	Adaptive Integral-type Sliding Mode Control for Spacecraft Attitude Maneuvering Under Actuator Stuck Failures. *Chinese Journal of Aeronautics*, **2011**, 24, 32-45	3.7	52
441	Fault-Tolerant Flight Control Design With Finite-Time Adaptation Under Actuator Stuck Failures. *IEEE Transactions on Control Systems Technology*, **2017**, 25, 1431-1440	4.8	51
440	LPV Model-Based Tracking Control and Robust Sensor Fault Diagnosis for a Quadrotor UAV. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2016**, 84, 163-177	2.9	50
439	A survey on multiple unmanned vehicles formation control and coordination: Normal and fault situations **2013**,		49
438	Bibliographical review on reconfigurable fault-tolerant control systems. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2003**, 36, 257-268		49
437	A revisit to block and recursive least squares for parameter estimation. *Computers and Electrical Engineering*, **2004**, 30, 403-416	4.3	47

436	. *IEEE Transactions on Industrial Informatics*, **2016**, 12, 1361-1370	11.9	47
435	. *IEEE Transactions on Aerospace and Electronic Systems*, **2000**, 36, 448-466	3.7	46
434	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	2.9	44
433	Passive and active nonlinear fault-tolerant control of a quadrotor unmanned aerial vehicle based on the sliding mode control technique. *Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering*, **2013**, 227, 12-23	1	43
432	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	2.9	42
431	Fault-Tolerant Attitude Control for Spacecraft Under Loss of Actuator Effectiveness. *Journal of Guidance, Control, and Dynamics*, **2011**, 34, 927-932	2.1	42
430	Adaptive backstepping control for air-breathing hypersonic vehicles with input nonlinearities. *Aerospace Science and Technology*, **2018**, 73, 289-299	4.9	41
429	Tolerance of intermittent faults in spacecraft attitude control: switched system approach. *IET Control Theory and Applications*, **2012**, 6, 2049-2056	2.5	40
428	. *IEEE Transactions on Aerospace and Electronic Systems*, **2013**, 49, 744-759	3.7	40
427	. *IEEE Transactions on Aerospace and Electronic Systems*, **2000**, 36, 266-278	3.7	40
426	Observer-Based Output Feedback Attitude Stabilization for Spacecraft With Finite-Time Convergence. *IEEE Transactions on Control Systems Technology*, **2019**, 27, 781-789	4.8	40
425	Adaptive Multivariable Integral TSMC of a Hypersonic Gliding Vehicle With Actuator Faults and Model Uncertainties. *IEEE/ASME Transactions on Mechatronics*, **2017**, 22, 2723-2735	5.5	37
424	Fault Tolerant Model Predictive Control of Quad-Rotor Helicopters with Actuator Fault Estimation. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2011**, 44, 6343-6348		37
423	Sensor fault masking of a ship propulsion system. *Control Engineering Practice*, **2006**, 14, 1337-1345	3.9	37
422	Reconfigurable Control Allocation against Aircraft Control Effector Failures. *Control Applications (CCA), Proceedings of the IEEE International Conference on*, **2007**,		37
421	Centralized and optimal motion planning for large-scale AGV systems: A generic approach. *Advances in Engineering Software*, **2017**, 106, 33-46	3.6	36
420	Fault-Tolerant Flight Control Design with Explicit Consideration of Reconfiguration Transients. *Journal of Guidance, Control, and Dynamics*, **2016**, 39, 556-563	2.1	36
419	Design of feedback linearization control and reconfigurable control allocation with application to a quadrotor UAV **2010**,		36

418	Nonlinear Proportional-Derivative Control Incorporating Closed-Loop Control Allocation for Spacecraft. *Journal of Guidance, Control, and Dynamics*, **2014**, 37, 799-812	2.1	35
417	Safe control of trailing UAV in close formation flight against actuator fault and wake vortex effect. *Aerospace Science and Technology*, **2018**, 77, 189-205	4.9	34
416	Reliable control of a class of switched cascade nonlinear systems with its application to flight control. *Nonlinear Analysis: Hybrid Systems*, **2014**, 11, 11-21	4.5	34
415	Fault/Damage Tolerant Control of a Quadrotor Helicopter UAV using Model Reference Adaptive Control and Gain-Scheduled PID **2011**,		34
414	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		34
413	A fast U-D factorization-based learning algorithm with applications to nonlinear system modeling and identification. *IEEE Transactions on Neural Networks*, **1999**, 10, 930-8		34
412	A Distributed Deployment Strategy for a Network of Cooperative Autonomous Vehicles. *IEEE Transactions on Control Systems Technology*, **2015**, 23, 737-745	4.8	33
411	Formation control and coordination of multiple unmanned ground vehicles in normal and faulty situations: A review. *Annual Reviews in Control*, **2020**, 49, 128-144	10.3	33
410	Multiple UAVs in forest fire fighting mission using particle swarm optimization **2017**,		32
409	A Review on Fault-Tolerant Control for Unmanned Aerial Vehicles (UAVs) **2011**,		32
408	Stabilization of Active Fault Tolerant Control Systems with Imperfect Fault Detection and Diagnosis. *Stochastic Analysis and Applications*, **2003**, 21, 673-701	1.1	32
407	. *IEEE Transactions on Aerospace and Electronic Systems*, **1999**, 35, 242-254	3.7	32
406	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	2.5	32
405	Robust Actuator Fault Detection and Diagnosis for a Quadrotor UAV With External Disturbances. *IEEE Access*, **2018**, 6, 48169-48180	3.5	32
404	Fault-tolerant cooperative control in an offshore wind farm using model-free and model-based fault detection and diagnosis approaches. *Applied Energy*, **2017**, 201, 284-307	10.7	31
403	Adaptive Discrete-Time Flight Control Using Disturbance Observer and Neural Networks. *IEEE Transactions on Neural Networks and Learning Systems*, **2019**, 30, 3708-3721	10.3	31
402	Decentralized fractional-order backstepping fault-tolerant control of multi-UAVs against actuator faults and wind effects. *Aerospace Science and Technology*, **2020**, 104, 105939	4.9	31
401	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	2.9	31

400	Fire detection using infrared images for UAV-based forest fire surveillance **2017**,		31
399	Fault-tolerant cooperative control for multiple UAVs based on sliding mode techniques. *Science China Information Sciences*, **2017**, 60, 1	3.4	29
398	Nussbaum-type function Based attitude control of spacecraft with actuator saturation. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 2927-2949	3.6	29
397	Fault Tolerant Flight Control Techniques with Application to a Quadrotor UAV Testbed **2012**,		29
396	Formation control of multiple quadrotors based on leader-follower method **2015**,		28
395	Aircraft Fault Accommodation With Consideration of Actuator Control Authority and Gyro Availability. *IEEE Transactions on Control Systems Technology*, **2018**, 26, 1285-1299	4.8	28
394	. *IEEE Transactions on Intelligent Vehicles*, **2018**, 3, 340-350	5	28
393	Cooperative localization against GPS signal loss in multiple UAVs flight. *Journal of Systems Engineering and Electronics*, **2011**, 22, 103-112	1.3	27
392	Robust fault-tolerant control against time-varying actuator faults and saturation. *IET Control Theory and Applications*, **2012**, 6, 2198-2208	2.5	26
391	Fault-Tolerant Control for Quadrotor UAV via Backstepping Approach **2010**,		26
390	Active power control design for supporting grid frequency regulation in wind farms. *Annual Reviews in Control*, **2015**, 40, 70-81	10.3	25
389	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	2.9	25
388	Velocity-free attitude coordinated tracking control for spacecraft formation flying. *ISA Transactions* , **2018**, 73, 54-65	5.5	24
387	Insulator identification from aerial images using Support Vector Machine with background suppression **2016**,		24
386	A Deep Learning Based Forest Fire Detection Approach Using UAV and YOLOv3 **2019**,		24
385	Decentralized Receding Horizon Control for Cooperative Multiple Vehicles Subject to Communication Delay. *Journal of Guidance, Control, and Dynamics*, **2009**, 32, 1959-1965	2.1	24
384	Active Fault Tolerant Control of a quadrotor UAV based on gainscheduled PID control **2012**,		23
383	Design of a fault tolerant control system incorporating reliability analysis and dynamic behaviour constraints. *International Journal of Systems Science*, **2011**, 42, 219-233	2.3	23

382	Gain Scheduling Based PID Controller for Fault Tolerant Control of Quad-Rotor UAV **2010**,		23
381	Fault-Tolerant Fuzzy Gain-Scheduled PID for a Quadrotor Helicopter Testbed in the Presence of Actuator Faults. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2012**, 45, 282-287		23
380	Simultaneous versus joint computing: A case study of multi-vehicle parking motion planning. *Journal of Computational Science*, **2017**, 20, 30-40	3.4	22
379	Spatio-temporal decomposition: a knowledge-based initialization strategy for parallel parking motion optimization. *Knowledge-Based Systems*, **2016**, 107, 179-196	7.3	22
378	Fault-tolerant shortest connection topology design for formation control. *International Journal of Control, Automation and Systems*, **2014**, 12, 29-36	2.9	22
377	Trajectory Planning and Replanning Strategies Applied to a Quadrotor Unmanned Aerial Vehicle. *Journal of Guidance, Control, and Dynamics*, **2012**, 35, 1667-1671	2.1	22
376	Trajectory planning and re-planning for fault tolerant formation flight control of quadrotor unmanned aerial vehicles **2012**,		22
375	Deep model integrated with data correlation analysis for multiple intermittent faults diagnosis. *ISA Transactions*, **2019**, 95, 306-319	5.5	21
374	. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 3139-3147	8.9	21
373	Adaptive Sliding Mode Fault-Tolerant Control for an Unmanned Aerial Vehicle. *Unmanned Systems*, **2017**, 05, 209-221	3	21
372	Design of passive fault-tolerant flight controller against actuator failures. *Chinese Journal of Aeronautics*, **2015**, 28, 180-190	3.7	21
371	Decentralized finite-time adaptive fault-tolerant synchronization tracking control for multiple UAVs with prescribed performance. *Journal of the Franklin Institute*, **2020**, 357, 11830-11862	4	21
370	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	2.9	21
369	Experimental Test of Unmanned Ground Vehicle Delivering Goods Using RRT Path Planning Algorithm. *Unmanned Systems*, **2017**, 05, 45-57	3	20
368	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	2.9	20
367	Fault-Tolerant Formation Control of Unmanned Aerial Vehicles in the Presence of Actuator Faults and Obstacles. *Unmanned Systems*, **2016**, 04, 197-211	3	20
366	Real-time autonomous take-off, tracking and landing of UAV on a moving UGV platform **2016**,		20
365	Fault-tolerant control with linear quadratic and model predictive control techniques against actuator faults in a quadrotor UAV **2013**,		20

364	Detection and diagnosis of sensor and actuator failures using interacting multiple-model estimator		20
363	Sensor Fault Detection and Diagnosis for an Unmanned Quadrotor Helicopter. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2019**, 96, 555-572	2.9	19
362	Observer-Based Attitude Control for Satellite Under Actuator Fault. *Journal of Guidance, Control, and Dynamics*, **2015**, 38, 806-811	2.1	19
361	Tractor-Trailer Vehicle Trajectory Planning in Narrow Environments With a Progressively Constrained Optimal Control Approach. *IEEE Transactions on Intelligent Vehicles*, **2020**, 5, 414-425	5	19
360	Design and Implementation of a Smart Meter with Demand Response Capabilities. *Energy Procedia*, **2016**, 103, 195-200	2.3	19
359	Active fault-tolerant control for a quadrotor helicopter against actuator faults and model uncertainties. *Aerospace Science and Technology*, **2020**, 99, 105745	4.9	18
358	Onboard guidance system design for reusable launch vehicles in the terminal area energy management phase. *Acta Astronautica*, **2018**, 143, 62-75	2.9	18
357	Fault diagnosis and fault tolerant control methods for manned and unmanned helicopters: A literature review **2013**,		18
356	A literature review on Fault Diagnosis methods for manned and unmanned helicopters **2013**,		18
355	Vision-based forest fire detection in aerial images for firefighting using UAVs **2016**,		18
354	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	2.9	18
353	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	7.8	18
352	Optimal reliability design for over-actuated systems based on the MIT rule: Application to an octocopter helicopter testbed. *Reliability Engineering and System Safety*, **2014**, 132, 196-206	6.3	17
351	Collision Avoidance and Path Following Control of Unmanned Aerial Vehicle in Hazardous Environment. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2019**, 95, 193-210	2.9	17
350	A Global Path Planning Algorithm for Fixed-wing UAVs. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2018**, 91, 691-707	2.9	17
349	Cooperative Multi-Vehicle Search and Coverage Problem in an Uncertain Environment. *Unmanned Systems*, **2015**, 03, 35-47	3	16
348	Real-time estimation of tire-road friction coefficient based on lateral vehicle dynamics. *Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering*, **2020**, 234, 2444-2457	1.4	16
347	Path planning algorithms for power transmission line inspection using unmanned aerial vehicles **2017**,		16

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327	Composite Adaptive Disturbance Observer-Based Decentralized Fractional-Order Fault-Tolerant Control of Networked UAVs. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-15	7.3	14
326	Hybrid adaptive fault-tolerant control algorithms for voltage and frequency regulation of an islanded microgrid. *International Transactions on Electrical Energy Systems*, **2015**, 25, 827-844	2.2	13
325	An advanced sense and collision avoidance strategy for unmanned aerial vehicles in landing phase. *IEEE Aerospace and Electronic Systems Magazine*, **2016**, 31, 40-52	2.4	13
324	High-Precision Trajectory Tracking Control for Space Manipulator With Neutral Uncertainty and Deadzone Nonlinearity. *IEEE Transactions on Control Systems Technology*, **2019**, 27, 2254-2262	4.8	13
323	Network Intrusion Detection Based on Directed Acyclic Graph and Belief Rule Base. *ETRI Journal*, **2017**, 39, 592-604	1.4	13
322	Flatness-based trajectory planning for a quadrotor Unmanned Aerial Vehicle test-bed considering actuator and system constraints **2012**,		13
321	Stochastic stability analysis for fault tolerant control systems with multiple failure processes. *International Journal of Systems Science*, **2002**, 33, 55-65	2.3	13
320	UAV Image-based Forest Fire Detection Approach Using Convolutional Neural Network **2019**,		12
319	Fault tolerant cooperative control of multiple UAVs-UGVs under actuator faults **2015**,		12
318	Leader-follower formation control of unmanned aerial vehicles with fault tolerant and collision avoidance capabilities **2015**,		12
317	Path Planning Generation Algorithm for a Class of UAV Multirotor Based on State of Health of Lithium Polymer Battery. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2018**, 91, 115-131	2.9	12
316	Robust sensor fault diagnosis and tracking controller for a UAV modelled as LPV system **2014**,		12
315	Distributed coordination of multi-agent systems for coverage problem in presence of obstacles **2012**,		12
314	Reconfigurable control allocation applied to an aircraft benchmark model **2008**,		12
313	Fixed-Time Actuator Fault Accommodation Applied to Hypersonic Gliding Vehicles. *IEEE Transactions on Automation Science and Engineering*, **2021**, 18, 1429-1440	4.9	12
312	Active Fault Tolerant Control in a Wind Farm with Decreased Power Generation Due to Blade Erosion/Debris Build-Up. *IFAC-PapersOnLine*, **2015**, 48, 1369-1374	0.7	11
311	Cooperative control of multiple UAVs for forest fire monitoring and detection **2016**,		11

310	Fault-tolerant cooperative control of multiple UAVs for forest fire detection and tracking mission **2016**,		11
309	Development of a Molecular Marker for Fruiting Body Pattern in. *Mycobiology*, **2018**, 46, 72-78	1.7	11
308	Trajectory Planning for a Tractor with Multiple Trailers in Extremely Narrow Environments: A Unified Approach* **2019**,		11
307	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	2.9	11
306	Reliable stabilization of switched system with average dwell-time approach. *Journal of the Franklin Institute*, **2013**, 350, 452-463	4	11
305	Payload Drop Application Using an Unmanned Quadrotor Helicopter Based on Gain-Scheduled PID and Model Predictive Control. *Unmanned Systems*, **2014**, 02, 39-52	3	11
304	A review on application of monitoring, diagnosis, and fault-tolerant control to wind turbines **2013**,		11
303	Two Reconfigurable Control Allocation Schemes for Unmanned Aerial Vehicle under Stuck Actuator Failures **2010**,		11
302	Fault Tolerant Control for Quad-rotor UAV by Employing Lyapunov-based Adaptive Control Approach **2010**,		11
301	Nonlinear Fault-Tolerant Control of a Quadrotor UAV Based on Sliding Mode Control Technique. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2012**, 45, 1317-1322		11
300	Trajectory Planning and Tracking Strategy Applied to an Unmanned Ground Vehicle in the Presence of Obstacles. *IEEE Transactions on Automation Science and Engineering*, **2020**, 1-15	4.9	11
299	A review on fault-tolerant cooperative control of multiple unmanned aerial vehicles. *Chinese Journal of Aeronautics*, **2021**, 35, 1-1	3.7	11
298	**2018**,		11
297	Decentralized leader-follower formation control with obstacle avoidance of multiple unicycle mobile robots **2015**,		10
296	Sense and collision avoidance of Unmanned Aerial Vehicles using Markov Decision Process and flatness approach **2015**,		10
295	Sliding Mode Reconfigurable Control Using Information on the Control Effectiveness of Actuators. *Journal of Aerospace Engineering*, **2014**, 27, 587-596	1.4	10
294	A data-driven fault tolerant model predictive control with fault identification **2010**,		10
293	Control Allocation and Re-allocation for a Modified Quadrotor Helicopter against Actuator Faults. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2012**, 45, 247-252		10

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291	Analysis of the stochastic stability for fault tolerant control systems		10
290	Construction of a genetic linkage map and QTL mapping of agronomic traits in Auricularia auricula-judae. *Journal of Microbiology*, **2017**, 55, 792-799	3	10
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288	Concurrent Proximity Control of Servicing Spacecraft With an Uncontrolled Target. *IEEE/ASME Transactions on Mechatronics*, **2019**, 24, 2815-2826	5.5	10
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284	Optimal flight path planning for UAVs in 3-D threat environment **2014**,		9
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