Youmin Zhang

List of Publications by Year in Descending Order

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	Fault-tolerant control design for a class of nonlinear systems with actuator malfunctions. *International Journal of Robust and Nonlinear Control*, **2022**, 32, 2828-2844	3.6	0
488	Fault-Tolerant Formation Control of WMRs Team Based on Hybrid GA-PSO. *Lecture Notes in Electrical Engineering*, **2022**, 3585-3597	0.2	
487	A Deep Reinforcement Learning Strategy for UAV Path Following Control Under Sensor Fault. *Lecture Notes in Electrical Engineering*, **2022**, 5239-5249	0.2	
486	Safety Control for Quadrotor UAV against Ground Effect and Blade Damage. *IEEE Transactions on Industrial Electronics*, **2022**, 1-1	8.9	4
485	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	4.9	5
484	Autonomous Driving on Curvy Roads Without Reliance on Frenet Frame: A Cartesian-Based Trajectory Planning Method. *IEEE Transactions on Intelligent Transportation Systems*, **2022**, 1-13	6.1	7
483	A Composite Adaptive Fault-Tolerant Attitude Control for a Quadrotor UAV with Multiple Uncertainties. *Journal of Systems Science and Complexity*, **2022**, 35, 81-104	1	3
482	Visual Servoing of Unknown Objects for Family Service Robots. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2022**, 104, 1	2.9	
481	Hyperspectral linear unmixing based on collaborative sparsity and multi-band non-local total variation. *International Journal of Remote Sensing*, **2022**, 43, 1-26	3.1	1
480	A Comprehensive Review on Signal-Based and Model-Based Condition Monitoring of Wind Turbines: Fault Diagnosis and Lifetime Prognosis. *Proceedings of the IEEE*, **2022**, 1-53	14.3	4
479	Optimization-based Maneuver Planning for a Tractor-Trailer Vehicle in Complex Environments using Safe Travel Corridors **2021**,		1
478	Fault-Tolerant Cooperative Control of Large-Scale Wind Farms and Wind Farm Clusters. *Energies*, **2021**, 14, 7436	3.1	2
477	Safety Flight Control for a Quadrotor UAV Using Differential Flatness and Dual-loop Observers. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	0
476	. *IEEE Transactions on Aerospace and Electronic Systems*, **2021**, 1-1	3.7	1
475	**2021**,		1
474	State estimation with multi-level vector quantisation and communication uncertainty. *International Journal of Systems Science*, **2021**, 52, 1297-1314	2.3	0
473	Optimal Cooperative Maneuver Planning for Multiple Nonholonomic Robots in a Tiny Environment via Adaptive-Scaling Constrained Optimization. *IEEE Robotics and Automation Letters*, **2021**, 6, 1511-1518	4.2	8

472	A review on fault-tolerant cooperative control of multiple unmanned aerial vehicles. *Chinese Journal of Aeronautics*, **2021**, 35, 1-1	3.7	11
471	A Hybrid-driven Soft Sensor with Complex Process Data Based on DAE and Mechanism-introduced GRU **2021**,		2
470	. *IEEE Sensors Journal*, **2021**, 21, 10844-10853	4	15
469	Underwater image enhancement based on colour correction and fusion. *IET Image Processing*, **2021**, 15, 2591-2603	1.7	1
468	Analysis of the Genome Sequence of Strain GiC-126 of with Genetic Linkage Map. *Mycobiology*, **2021**, 49, 406-420	1.7	
467	. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 532-543	8.9	14
466	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	4.9	6
465	Adaptive Path Following Control of Unmanned Surface Vehicles Considering Environmental Disturbances and System Constraints. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 51, 339-353	7.3	16
464	Optimal Path Tracking With Dubins□Vehicles. *IEEE Systems Journal*, **2021**, 15, 466-477	4.3	0
463	Fixed-Time Actuator Fault Accommodation Applied to Hypersonic Gliding Vehicles. *IEEE Transactions on Automation Science and Engineering*, **2021**, 18, 1429-1440	4.9	12
462	Genetic linkage map construction and quantitative trait loci mapping of agronomic traits in Gloeostereum incarnatum. *Journal of Microbiology*, **2021**, 59, 41-50	3	3
461	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
460	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
459	Closed-Loop Based Control Allocation for Spacecraft Attitude Stabilization with Actuator Faults **2021**, 185-217		1
458	Safety Flight Control Design of a Quadrotor UAV With Capability Analysis. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	1
457	Extended State Observer Based Optimal Attitude Robust Control of Spacecraft **2021**, 109-131		
456	Module-based Active Equalization for Battery Packs: A Two-Layer Model Predictive Control Strategy. *IEEE Transactions on Transportation Electrification*, **2021**, 1-1	7.6	4
455	Finite-Time Fault-Tolerant Spacecraft Attitude Control with Torque Saturation **2021**, 73-108		

454	Active fault-tolerant attitude control **2021**, 209-260		0
453	Quadrotor actuator fault diagnosis and accommodation based on nonlinear adaptive state observer **2021**, 305-326		0
452	Mathematical Model of the Attitude Control System **2021**, 23-31		
451	Tire□oad friction coefficient estimation based on designed braking pressure pulse. *Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering*, **2021**, 235, 1876-1891	1.4	4
450	Adaptive Trajectory Tracking for Car-like Vehicles with Input Constraints. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	2
449	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	10.3	15
448	Optimization-Based Trajectory Planning for Autonomous Parking With Irregularly Placed Obstacles: A Lightweight Iterative Framework. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 1-12	6.1	7
447	Null-Space Based Optimal Control Allocation for Spacecraft Attitude Stabilization **2021**, 33-53		
446	Fault-Tolerant Time-Varying Elliptical Formation Control of Multiple Fixed-Wing UAVs for Cooperative Forest Fire Monitoring. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2021**, 101, 1	2.9	8
445	Path Following Control for UAV Using Deep Reinforcement Learning Approach. *Research on World Agricultural Economy*, **2021**, 01, 2150005		7
444	. *IEEE Transactions on Aerospace and Electronic Systems*, **2021**, 57, 2346-2368	3.7	5
443	Fractional order PID-based adaptive fault-tolerant cooperative control of networked unmanned aerial vehicles against actuator faults and wind effects with hardware-in-the-loop experimental validation. *Control Engineering Practice*, **2021**, 114, 104861	3.9	8
442	Freshness constraints of an age of information based event-triggered Kalman consensus filter algorithm over a wireless sensor network. *Frontiers of Information Technology and Electronic Engineering*, **2021**, 22, 51-67	2.2	
441	Nonlinear Proportional-Derivative Control Incorporating Closed-Loop Control Allocation for Spacecraft **2021**, 157-183		
440	Fault-tolerant finite-time attitude-tracking control **2021**, 175-208		0
439	Adaptive Finite-Time Fault-Tolerant Control for Uncertain Flexible Flapping Wings Based on Rigid Finite Element Method. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	2
438	Velocity-Free Saturated Control for Spacecraft Proximity Operations With Guaranteed Safety. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-13	7.3	1
437	Cost Evaluation of Approximate Controllability and Fault Recoverability for Switched Infinite-Dimensional Linear Systems. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	

436	Distributed Fractional-Order Intelligent Adaptive Fault-Tolerant Formation-Containment Control of Two-Layer Networked Unmanned Airships for Safe Observation of a Smart City. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	6
435	Occlusion-Aware Path Planning to Promote Infrared Positioning Accuracy for Autonomous Driving in a Warehouse. *Electronics (Switzerland)*, **2021**, 10, 3093	2.6	0
434	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
433	Saturated Attitude Control for Rigid Spacecraft Under Attitude Constraints. *Journal of Guidance, Control, and Dynamics*, **2020**, 43, 790-805	2.1	4
432	Genome Sequence Analysis of Combined with Genetic Linkage Map. *Journal of Fungi (Basel, Switzerland)*, **2020**, 6,	5.6	2
431	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
430	Distributed adaptive fault-tolerant close formation flight control of multiple trailing fixed-wing UAVs. *ISA Transactions*, **2020**, 106, 181-199	5.5	14
429	Active fault-tolerant control for a quadrotor helicopter against actuator faults and model uncertainties. *Aerospace Science and Technology*, **2020**, 99, 105745	4.9	18
428	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
427	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	4.9	9
426	Fractional-Order Sliding-Mode Fault-Tolerant Neural Adaptive Control of Fixed-Wing UAV With Prescribed Tracking Performance **2020**,		2
425	Safety control system technologies for UAVs: review and prospect. *Scientia Sinica Informationis*, **2020**, 50, 184-194	2.3	4
424	Autonomous Intersection Management over Continuous Space: A Microscopic and Precise Solution via Computational Optimal Control. *IFAC-PapersOnLine*, **2020**, 53, 17071-17076	0.7	2
423	Maneuver Planning for Automatic Parking with Safe Travel Corridors: A Numerical Optimal Control Approach **2020**,		6
422	Time-Domain System Identification for Long-EZ Fixed-Wing Aircraft Based on Flight Test Data. *Lecture Notes in Electrical Engineering*, **2020**, 887-896	0.2	1
421	Chance-Constrained MPC for Voronoi-based Multi-Agent System Deployment. *IFAC-PapersOnLine*, **2020**, 53, 6969-6974	0.7	
420	Fault Diagnosis in Microgrids with Integration of Solar Photovoltaic Systems:A Review. *IFAC-PapersOnLine*, **2020**, 53, 12091-12096	0.7	2
419	Passive Fault-Tolerant Model Predictive Control of AC/DC PWM Converter in a Hybrid Microgrid. *IFAC-PapersOnLine*, **2020**, 53, 12097-12102	0.7	1

418	Infrared and Visible Airborne Targets Image Fusion with Applications to Sense and Avoid. *IFAC-PapersOnLine*, **2020**, 53, 14742-14747	0.7	1
417	Path Planning and Tracking for Autonomous Vehicle Collision Avoidance with Consideration of Tire-Road Friction Coefficient. *IFAC-PapersOnLine*, **2020**, 53, 15524-15529	0.7	1
416	Fast Trajectory Planning in Cartesian rather than Frenet Frame: A Precise Solution for Autonomous Driving in Complex Urban Scenarios. *IFAC-PapersOnLine*, **2020**, 53, 17065-17070	0.7	3
415	Square-root cubature Kalman filter-based vector tracking algorithm in GPS signal harsh environments. *IET Radar, Sonar and Navigation*, **2020**, 14, 1968-1975	1.4	1
414	. *IEEE Transactions on Sustainable Energy*, **2020**, 11, 2119-2129	8.2	6
413	RLV Guidance and Control System Design for Terminal Area Energy Management Phase. *Lecture Notes in Electrical Engineering*, **2020**, 1131-1138	0.2	
412	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
411	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
410	Forest fire flame and smoke detection from UAV-captured images using fire-specific color features and multi-color space local binary pattern. *Journal of Unmanned Vehicle Systems*, **2020**, 8, 285-309	2.7	15
409	Constrained single-axis path planning of underactuated spacecraft. *Aerospace Science and Technology*, **2020**, 107, 106345	4.9	3
408	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
407	Passive Fault-Tolerant Control Strategies for Power Converter in a Hybrid Microgrid. *Energies*, **2020**, 13, 5625	3.1	8
406	On-road Trajectory Planning with Spatio-temporal RRT* and Always-feasible Quadratic Program **2020**,		5
405	Generalised formulations for minimum distance trajectory in patrolling problems. *IET Control Theory and Applications*, **2020**, 14, 1401-1410	2.5	2
404	A YOLOv3-based Learning Strategy for Real-time UAV-based Forest Fire Detection **2020**,		7
403	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 4817-4827	7.3	7
402	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	2.9	7
401	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

400	Wildfire Flame and Smoke Detection Using Static Image Features and Artificial Neural Network **2019**,		3
399	A Backstepping Control Strategy for Fixed Wing UAV under Actuator Failure **2019**,		1
398	Fault-Tolerant Adaptive Neural Control of Multi-UAVs Against Actuator Faults **2019**,		3
397	Distributed Control of Multi-Agent Systems With Limited Communication Range in the Fixed Obstacle Environments. *IEEE Access*, **2019**, 7, 118259-118268	3.5	2
396	Fast Trajectory Planning for Off-Road Autonomous Driving with a Spatiotemporal Tunnel and Numerical Optimal Control Approach * **2019**,		3
395	Tire-Road Friction Coefficient Estimation under Constant Vehicle Speed Control. *IFAC-PapersOnLine* , **2019**, 52, 136-141	0.7	5
394	UAV Image-based Forest Fire Detection Approach Using Convolutional Neural Network **2019**,		12
393	Decentralized fault-tolerant cooperative control of multiple UAVs with prescribed attitude synchronization tracking performance under directed communication topology. *Frontiers of Information Technology and Electronic Engineering*, **2019**, 20, 685-700	2.2	6
392	Deep model integrated with data correlation analysis for multiple intermittent faults diagnosis. *ISA Transactions*, **2019**, 95, 306-319	5.5	21
391	Motion planning of a quadrotor robot game using a simulation-based projected policy iteration method. *Frontiers of Information Technology and Electronic Engineering*, **2019**, 20, 525-537	2.2	0
390	Payload dropping control of an unmanned quadrotor helicopter based on backstepping controller. *MATEC Web of Conferences*, **2019**, 277, 01004	0.3	1
389	Control of non-cooperative spacecraft in final phase proximity operations under input constraints. *Control Engineering Practice*, **2019**, 87, 83-96	3.9	8
388	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
387	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
386	. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 3139-3147	8.9	21
385	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
384	Trajectory Planning for a Tractor with Multiple Trailers in Extremely Narrow Environments: A Unified Approach* **2019**,		11
383	A Solution for Searching and Monitoring Forest Fires Based on Multiple UAVs **2019**,		2

382	A Survey on Forest Fire Monitoring Using Unmanned Aerial Vehicles **2019**,		4
381	Map-based cloning of genes encoding key enzymes for pigment synthesis in Auricularia cornea. *Fungal Biology*, **2019**, 123, 843-853	2.8	5
380	A Deep Learning Based Forest Fire Detection Approach Using UAV and YOLOv3 **2019**,		24
379	Early Forest Fire Region Segmentation Based on Deep Learning **2019**,		3
378	Fire Detection Using Both Infrared and Visual Images With Application to Unmanned Aerial Vehicle Forest Fire Surveillance **2019**,		2
377	Thermal stress deformation prediction for rotary air-preheater rotor using deep learning approach. *International Journal of Modelling, Identification and Control*, **2019**, 31, 293	0.6	2
376	Active fault-tolerant tracking control of a quadrotor with model uncertainties and actuator faults. *Frontiers of Information Technology and Electronic Engineering*, **2019**, 20, 95-106	2.2	4
375	A Review on Operation, Control and Protection of Smart Microgrids **2019**,		7
374	Complete mitochondrial sequence of , one of the most popular edible fungus in China. *Mitochondrial DNA Part B: Resources*, **2019**, 4, 4029-4030	0.5	0
373	Guaranteed Voronoi-based Deployment for Multi-Agent Systems under Uncertain Measurements **2019**,		3
372	Passive Fault-Tolerant Control of PWM Converter in a Hybrid AC/DC Microgrid **2019**,		4
371	AI-Driven Intelligent Fault Detection and Diagnosis in a Hybrid AC/DC Microgrid **2019**,		5
370	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
369	Measuring the Horizontal Wind for Forest Fire Monitoring Using Multiple UAVs **2019**,		1
368	Concurrent Proximity Control of Servicing Spacecraft With an Uncontrolled Target. *IEEE/ASME Transactions on Mechatronics*, **2019**, 24, 2815-2826	5.5	10
367	Kalman Filter-based Wind Estimation for Forest Fire Monitoring with a Quadrotor UAV **2019**,		2
366	UAV-Based Air Pollutant Source Localization Using Combined Metaheuristic and Probabilistic Methods. *Applied Sciences (Switzerland)*, **2019**, 9, 3712	2.6	5
365	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

364	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
363	Prescribed performance-based distributed fault-tolerant cooperative control for multi-UAVs. *Transactions of the Institute of Measurement and Control*, **2019**, 41, 975-989	1.8	9
362	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
361	Retrofit fault-tolerant tracking control design of an unmanned quadrotor helicopter considering actuator dynamics. *International Journal of Robust and Nonlinear Control*, **2019**, 29, 5293-5313	3.6	15
360	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
359	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
358	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
357	Observer-based fault-tolerant control of hypersonic scramjet vehicles in the presence of actuator faults and saturation. *International Journal of Robust and Nonlinear Control*, **2019**, 29, 5377-5393	3.6	4
356	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
355	Predictive Control of a Closed Grinding Circuit System in Cement Industry. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 4070-4079	8.9	6
354	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
353	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
352	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
351	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
350	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
349	Velocity-free attitude coordinated tracking control for spacecraft formation flying. *ISA Transactions*, **2018**, 73, 54-65	5.5	24
348	Adaptive backstepping control for air-breathing hypersonic vehicles with input nonlinearities. *Aerospace Science and Technology*, **2018**, 73, 289-299	4.9	41
347	Onboard guidance system design for reusable launch vehicles in the terminal area energy management phase. *Acta Astronautica*, **2018**, 143, 62-75	2.9	18

346	Fault-Tolerant Cooperative Control Design of Multiple Wheeled Mobile Robots. *IEEE Transactions on Control Systems Technology*, **2018**, 26, 756-764	4.8	58
345	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
344	3D gliding guidance for an unpowered RLV in the TAEM phase **2018**,		2
343	Development of a Molecular Marker for Fruiting Body Pattern in. *Mycobiology*, **2018**, 46, 72-78	1.7	11
342	**2018**,		5
341	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
340	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
339	. *IEEE Transactions on Intelligent Vehicles*, **2018**, 3, 340-350	5	28
338	Gain Scheduling Based PID Control Approaches for Path Tracking and Fault Tolerant Control of a Quad-rotor UAV. *International Journal of Mechanical Engineering and Robotics Research*, **2018**, 7, 401-408	1.2	3
337	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
336	Application of FMRAC to fault-tolerant cooperative control of a wind farm with decreased power generation due to blade erosion/debris buildup. *International Journal of Adaptive Control and Signal Processing*, **2018**, 32, 628-645	2.8	4
335	A new BRB model for security-state assessment of cloud computing based on the impact of external and internal environments. *Computers and Security*, **2018**, 73, 207-218	4.9	7
334	A High-Precision Vision-Based Mobile Robot Slope Detection Method in Unknown Environment **2018**,		1
333	Time Series Forecasting by Evolving Deep Belief Network with Negative Correlation Search **2018**,		4
332	Actuator and Sensor Fault Detection and Diagnosis for Unmanned Quadrotor Helicopters. *IFAC-PapersOnLine*, **2018**, 51, 998-1003	0.7	6
331	Active Fault-Tolerant Tracking Control of a Quadrotor UAV **2018**,		1
330	Fault-Tolerant Cooperative Motion Planning of Connected and Automated Vehicles at a Signal-Free and Lane-Free Intersection. *IFAC-PapersOnLine*, **2018**, 51, 60-67	0.7	8
329	Fault-Tolerant Control for Autonomous Aerial Refueling against Actuator Fault in Receiver UAV. *IFAC-PapersOnLine*, **2018**, 51, 274-279	0.7	

328	Application of Model Reference Adaptive PI Control to FTCC of a Wind Farm. *IFAC-PapersOnLine*, **2018**, 51, 280-285	0.7	
327	Fault-Tolerant Cooperative Control for Multiple UAVs Based on UDE and Model Following SMC. *IFAC-PapersOnLine*, **2018**, 51, 447-452	0.7	2
326	Fault-Tolerant Individual Pitch Control of a Wind Turbine with Actuator Faults. *IFAC-PapersOnLine*, **2018**, 51, 1133-1140	0.7	5
325	Model-Based Fault-Tolerant Pitch Control of an Offshore Wind Turbine. *IFAC-PapersOnLine*, **2018**, 51, 221-226	0.7	4
324	Performance Analysis of Switched Control Systems Under Common-source Digital Upsets Modeled by MDHMM. *Complexity*, **2018**, 2018, 1-12	1.6	5
323	A UAV-based Forest Fire Detection Algorithm Using Convolutional Neural Network **2018**,		7
322	Cooperative Lane Change Motion Planning of Connected and Automated Vehicles: A Stepwise Computational Framework **2018**,		1
321	Line-of-Sight Path Following Control on UAV with Sideslip Estimation and Compensation **2018**,		6
320	**2018**,		11
319	Robust Actuator Fault Detection and Diagnosis for a Quadrotor UAV With External Disturbances. *IEEE Access*, **2018**, 6, 48169-48180	3.5	32
318	Distributed Fractional-Order Finite-Time Control for Multiple Unmanned Aerial Vehicles **2018**,		7
317	Automated Maneuvering Decision for UAVs in Forest Surveillance and Fire Detection Missions* **2018**,		1
316	Voronoi-based UAVs Formation Deployment and Reconfiguration using MPC Techniques **2018**,		4
315	UAV-based Air Pollutant Source Localization Using Gradient and Probabilistic Methods **2018**,		3
314	Flocking control of a fleet of unmanned aerial vehicles. *Control Theory and Technology*, **2018**, 16, 82-92	1	4
313	Centralized and optimal motion planning for large-scale AGV systems: A generic approach. *Advances in Engineering Software*, **2017**, 106, 33-46	3.6	36
312	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
311	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

310	Real-Time Fault-Tolerant Cooperative Control of Multiple UAVs-UGVs in the Presence of Actuator Faults. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2017**, 88, 469-480	2.9	15
309	Non-prespecified Starting Depot Formulations for Minimum-Distance Trajectory Optimization in Patrolling Problem. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2017**, 87, 699-710	2.9	2
308	Simultaneous versus joint computing: A case study of multi-vehicle parking motion planning. *Journal of Computational Science*, **2017**, 20, 30-40	3.4	22
307	Experimental Test of Unmanned Ground Vehicle Delivering Goods Using RRT Path Planning Algorithm. *Unmanned Systems*, **2017**, 05, 45-57	3	20
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