Qun Zong

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.

98 papers	1,617 citations	21 h-index	37 g-index
133 ext. papers	2,122 ext. citations	3.7 avg, IF	5.41 L-index

#	Paper	IF	Citations
98	Multivariable Finite Time Attitude Control for Quadrotor UAV: Theory and Experimentation. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 2567-2577	8.9	139
97	Robust adaptive dynamic surface control design for a flexible air-breathing hypersonic vehicle with input constraints and uncertainty. *Nonlinear Dynamics*, **2014**, 78, 289-315	5	121
96	Real-Time Trajectory and Attitude Coordination Control for Reusable Launch Vehicle in Reentry Phase. *IEEE Transactions on Industrial Electronics*, **2015**, 62, 1639-1650	8.9	98
95	Continuous high order sliding mode controller design for a flexible air-breathing hypersonic vehicle. *ISA Transactions*, **2014**, 53, 690-8	5.5	89
94	Adaptive Finite-Time Attitude Tracking of Quadrotors With Experiments and Comparisons. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 9428-9438	8.9	76
93	Adaptive high-order dynamic sliding mode control for a flexible air-breathing hypersonic vehicle. *International Journal of Robust and Nonlinear Control*, **2013**, 23, 1718-1736	3.6	64
92	Neural network disturbance observer-based distributed finite-time formation tracking control for multiple unmanned helicopters. *ISA Transactions*, **2018**, 73, 208-226	5.5	63
91	Multivariable finite-time output feedback trajectory tracking control of quadrotor helicopters. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 281-295	3.6	53
90	Finite-time sliding mode attitude control for rigid spacecraft without angular velocity measurement. *Journal of the Franklin Institute*, **2017**, 354, 4656-4674	4	48
89	Decentralized finite-time attitude synchronization for multiple rigid spacecraft via a novel disturbance observer. *ISA Transactions*, **2016**, 65, 150-163	5.5	45
88	Integrated guidance and control for reusable launch vehicle in reentry phase. *Nonlinear Dynamics*, **2015**, 80, 397-412	5	42
87	Adaptive disturbance observer-based finite-time continuous fault-tolerant control for reentry RLV. *International Journal of Robust and Nonlinear Control*, **2017**, 27, 4275-4295	3.6	37
86	Comprehensive design of disturbance observer and non-singular terminal sliding mode control for reusable launch vehicles. *IET Control Theory and Applications*, **2015**, 9, 1821-1830	2.5	29
85	Output-Redefinition-Based Dynamic Inversion Control for a Nonminimum Phase Hypersonic Vehicle. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 3447-3457	8.9	27
84	Robust adaptive backstepping control for an uncertain nonlinear system with input constraint based on Lyapunov redesign. *International Journal of Control, Automation and Systems*, **2017**, 15, 212-225	2.9	26
83	Attitude control of reusable launch vehicle in reentry phase with input constraint via robust adaptive backstepping control. *International Journal of Adaptive Control and Signal Processing*, **2015**, 29, 1308-1327	2.8	25
82	Finite-time fully distributed formation reconfiguration control for UAV helicopters. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 5943-5961	3.6	25

81	Adaptive-gain multivariable super-twisting sliding mode control for reentry RLV with torque perturbation. *International Journal of Robust and Nonlinear Control*, **2017**, 27, 620-638	3.6	24
80	Robust adaptive critic control design with network-based event-triggered formulation. *Nonlinear Dynamics*, **2017**, 90, 2023-2035	5	23
79	Flight control for a flexible air-breathing hypersonic vehicle based on quasi-continuous high-order sliding mode. *Journal of Systems Engineering and Electronics*, **2013**, 24, 288-295	1.3	22
78	Fuzzy disturbance observer-based dynamic surface control for air-breathing hypersonic vehicle with variable geometry inlets. *IET Control Theory and Applications*, **2018**, 12, 10-19	2.5	21
77	Disturbance observer-based sliding mode backstepping control for a re-entry vehicle with input constraint and external disturbance. *Transactions of the Institute of Measurement and Control*, **2016**, 38, 165-181	1.8	20
76	Super twisting sliding mode control for a flexible air-breathing hypersonic vehicle based on disturbance observer. *Science China Information Sciences*, **2015**, 58, 1-15	3.4	20
75	Multivariable uniform finite-time output feedback reentry attitude control for RLV with mismatched disturbance. *Journal of the Franklin Institute*, **2018**, 355, 3470-3487	4	20
74	Control-oriented modeling and adaptive backstepping control for a nonminimum phase hypersonic vehicle. *ISA Transactions*, **2017**, 70, 161-172	5.5	19
73	A Continuous Finite-Time Output Feedback Control Scheme and Its Application in Quadrotor UAVs. *IEEE Access*, **2018**, 6, 19807-19813	3.5	19
72	Robust Adaptive Approximate Backstepping Control Design for a Flexible Air-Breathing Hypersonic Vehicle. *Journal of Aerospace Engineering*, **2015**, 28, 04014107	1.4	18
71	Integrated Fault Estimation and Fault-Tolerant Tracking Control for Lipschitz Nonlinear Multiagent Systems. *IEEE Transactions on Cybernetics*, **2020**, 50, 678-688	10.2	18
70	Tracking control of an underactuated ship by modified dynamic inversion. *ISA Transactions*, **2018**, 83, 100-106	5.5	18
69	Sliding Mode Observer-Based Fault Detection of Distributed Networked Control Systems with Time Delay. *Circuits, Systems, and Signal Processing*, **2012**, 31, 203-222	2.2	17
68	Fuzzy Disturbance Observer-Based Adaptive Sliding Mode Control for Reusable Launch Vehicles With Aeroservoelastic Characteristic. *IEEE Transactions on Industrial Informatics*, **2020**, 16, 1214-1223	11.9	17
67	Disturbance observer based robust backstepping control design of flexible air-breathing hypersonic vehicle. *IET Control Theory and Applications*, **2019**, 13, 572-583	2.5	16
66	Comprehensive design of uniform robust exact disturbance observer and fixed-time controller for reusable launch vehicles. *IET Control Theory and Applications*, **2018**, 12, 638-648	2.5	15
65	Disturbance observer-based dynamic surface control design for a hypersonic vehicle with input constraints and uncertainty. *Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering*, **2016**, 230, 522-536	1	15
64	Adaptive finite-time reconfiguration control of unmanned aerial vehicles with a moving leader. *Nonlinear Dynamics*, **2019**, 95, 1099-1116	5	14

63	. *IEEE Transactions on Aerospace and Electronic Systems*, **2021**, 57, 834-847	3.7	13
62	Attitude Control of UAVs Based on Event-Triggered Supertwisting Algorithm. *IEEE Transactions on Industrial Informatics*, **2021**, 17, 1029-1038	11.9	13
61	Reentry attitude control for a reusable launch vehicle with aeroservoelastic model using type-2 adaptive fuzzy sliding mode control. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 5858-5875	3.6	10
60	Robust adaptive constrained backstepping flight controller design for re-entry reusable launch vehicle under input constraint. *Advances in Mechanical Engineering*, **2015**, 7, 168781401560630	1.2	9
59	Finite-time fault-tolerant formation control for multiquadrotor systems with actuator fault. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 5386-5405	3.6	9
58	Continuous robust fault-tolerant control and vibration suppression for flexible spacecraft without angular velocity. *International Journal of Robust and Nonlinear Control*, **2019**, 29, 3915	3.6	8
57	Approximate output regulation of non-minimum phase hypersonic flight vehicle. *Nonlinear Dynamics*, **2018**, 91, 2715-2724	5	8
56	Aeroservoelastic modeling and analysis of a six-DOF hypersonic flight vehicle. *Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering*, **2016**, 230, 1240-1251	0.9	8
55	Finite-Time Fault Estimation and Fault-Tolerant Control for Rigid Spacecraft. *Journal of Aerospace Engineering*, **2018**, 31, 04018091	1.4	8
54	Distributed finite-time formation control for multiple quadrotors via local communications. *International Journal of Robust and Nonlinear Control*, **2019**, 29, 5588-5608	3.6	8
53	Integrated Finite-Time Disturbance Observer and Controller Design for Reusable Launch Vehicle in Reentry Phase. *Journal of Aerospace Engineering*, **2017**, 30, 04016076	1.4	8
52	Command filtered back-stepping control of a flexible air-breathing hypersonic flight vehicle. *Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering*, **2014**, 228, 1617-1626	0.9	8
51	Adaptive neural network command filtered backstepping control of pure-feedback systems in presence of full state constraints. *International Journal of Adaptive Control and Signal Processing*, **2019**, 33, 829-842	2.8	7
50	Adaptive active fault-tolerant control of generic hypersonic flight vehicles. *Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering*, **2015**, 229, 130-138	1	7
49	Finite-time output feedback attitude synchronization for multiple spacecraft. *Transactions of the Institute of Measurement and Control*, **2018**, 40, 3023-3039	1.8	7
48	Input-to-state-stability modular command filtered back-stepping attitude control of a generic reentry vehicle. *International Journal of Control, Automation and Systems*, **2013**, 11, 734-741	2.9	7
47	Nonsingular terminal sliding mode control for reusable launch vehicle with atmospheric disturbances. *Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering*, **2018**, 232, 2019-2033	0.9	6
46	Trajectory Optimization and Finite-Time Control for Unmanned Helicopters Formation. *IEEE Access*, **2019**, 7, 93023-93034	3.5	6

45	Adaptive High Order Sliding Mode Controller Design for Hypersonic Vehicle with Flexible Body Dynamics. *Mathematical Problems in Engineering*, **2013**, 2013, 1-11	1.1	6
44	Multivariable supertwisting fixed-time approach for RLV re-entry attitude control. *International Journal of Robust and Nonlinear Control*, **2019**, 29, 973-989	3.6	6
43	Reentry Attitude Control for RLV Based on Adaptive Event-Triggered Sliding Mode. *IEEE Access*, **2019**, 7, 68429-68435	3.5	5
42	Adaptive tracking and command shaped vibration control of flexible spacecraft. *IET Control Theory and Applications*, **2019**, 13, 1121-1128	2.5	5
41	Novel smooth sliding mode attitude control design for constrained re-entry vehicle based on disturbance observer. *International Journal of Systems Science*, **2019**, 50, 75-90	2.3	5
40	Disturbance observer-based fault-tolerant attitude tracking control for rigid spacecraft with finite-time convergence. *Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering*, **2019**, 233, 616-628	0.9	5
39	Adaptive multivariable finite-time continuous fault-tolerant control of rigid spacecraft. *International Journal of Robust and Nonlinear Control*, **2019**, 29, 2927-2940	3.6	4
38	Adaptive Prescribed Performance Fault Tolerant Control for a Flexible Air-Breathing Hypersonic Vehicle With Uncertainty. *IEEE Access*, **2019**, 7, 35018-35033	3.5	4
37	3DOF ascent phase trajectory optimization for aircraft based on adaptive Gauss Pseudospectral Method **2012**,		4
36	Ascent Phase Trajectory Optimization for Vehicle with Restricted Space. *Transactions of the Japan Society for Aeronautical and Space Sciences*, **2011**, 54, 37-43	0.8	4
35	UAV Autonomous Trajectory Planning in Target Tracking Tasks via a DQN Approach **2019**,		4
34	Nash network formation among unmanned aerial vehicles. *Wireless Networks*, **2020**, 26, 1781-1793	2.5	4
33	Disturbance Observer-Based Active Vibration Suppression and Attitude Control for Flexible Spacecraft. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-9	7.3	4
32	Robust tracking control of quadrotor via on-policy adaptive dynamic programming. *International Journal of Robust and Nonlinear Control*, **2021**, 31, 2509-2525	3.6	4
31	Nonlinear Constrained Adaptive Backstepping Tracking Control for a Hypersonic Vehicle with Uncertainty. *Mathematical Problems in Engineering*, **2015**, 2015, 1-16	1.1	3
30	Modeling and Analysis of an Air-Breathing Flexible Hypersonic Vehicle. *Mathematical Problems in Engineering*, **2014**, 2014, 1-9	1.1	3
29	Adaptive Finite-Time Control for a Flexible Hypersonic Vehicle with Actuator Fault. *Mathematical Problems in Engineering*, **2013**, 2013, 1-10	1.1	3
28	Parameters selection for SVR based on PSO **2006**,		3

27	Decentralized Adaptive Event-triggered Control for Nonlinear Interconnected Systems in Strict-feedback Form. *International Journal of Control, Automation and Systems*, **2020**, 18, 980-990	2.9	3
26	Attitude control design for reusable launch vehicles using adaptive fuzzy control with compensation controller. *Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering*, **2019**, 233, 823-836	0.9	3
25	Adaptive Backstepping Sliding Mode Control of Uncertain Semi-Strict Nonlinear Systems and Application to Permanent Magnet Synchronous Motor. *Journal of Systems Science and Complexity*, **2021**, 34, 552-571	1	3
24	Dynamic surface tracking controller design for a constrained hypersonic vehicle based on disturbance observer. *International Journal of Advanced Robotic Systems*, **2017**, 14, 172988141770377	1.4	2
23	Bayesian Coalitional Game in Physical Layer Security. *Wireless Personal Communications*, **2015**, 85, 1237-1250	1.9	2
22	Finite-Time Dynamic Allocation and Control in Multiagent Coordination for Target Tracking. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	2
21	Fixed-time re-entry attitude control based on nonsingular terminal sliding mode. *IMA Journal of Mathematical Control and Information*, **2018**, 35, 1043-1059	1.1	2
20	ISPS-modular command-filtered adaptive back-stepping control of non-linearly parameterized pure-feedback systems. *Transactions of the Institute of Measurement and Control*, **2016**, 38, 232-239	1.8	2
19	Finite-time attitude tracking control design for reusable launch vehicle in reentry phase based on disturbance observer. *Advances in Mechanical Engineering*, **2017**, 9, 168781401774407	1.2	2
18	Elevator group scheduling for peak flows based on Adjustable Robust Optimization model **2011**,		2
17	Iterative identification and control design with optimal excitation signals based on Egap. *Science in China Series F: Information Sciences*, **2009**, 52, 1120-1128		2
16	Stochastic communication logic for networked control systems **2008**,		2
15	Adaptive Multivariable Reentry Attitude Control of RLV With Prescribed Performance. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2022**, 1-5	7.3	2
14	Loosely-coupled lidar-inertial odometry and mapping in real time. *International Journal of Intelligent Robotics and Applications*, **2021**, 5, 119-129	1.7	2
13	Hypersonic Vehicle control based on integral sliding mode method **2012**,		1
12	A mixed robust optimization and multi-agent coordination method for elevator group control scheduling **2010**,		1
11	Excitation signal design for closed-loop system identification **2009**,		1
10	A Continuous Multivariable Finite-time Control Scheme for Double Integrator Systems with Bounded Control Input. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	1

9	Finite-Time Distributed Attitude Synchronization for Multiple Spacecraft With Angular Velocity and Input Constraints. *IEEE Transactions on Control Systems Technology*, **2021**, 1-13	4.8	1
8	Anti-Windup Robust Backstepping Control for an Underactuated Reusable Launch Vehicle. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-11	7.3	1
7	. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	1
6	Continuous Multivariable Integral Sliding Mode Control of Rigid Spacecraft with Actuator Faults **2018**,		1
5	. *IEEE Transactions on Industrial Electronics*, **2022**, 1-1	8.9	0
4	Event-triggered-based adaptive super-twisting attitude tracking for RLV in reentry phase. *Journal of the Franklin Institute*, **2020**, 357, 13430-13448	4	0
3	Finite-time attitude tracking control and vibration suppression for flexible spacecraft. *International Journal of Robust and Nonlinear Control*, **2021**, 31, 2674-2689	3.6	0
2	Adaptive multi-objective optimization based on feedback design. *Transactions of Tianjin University*, **2010**, 16, 359-365	2.9	
1	Output Tracking of Uncertain Nonminimum Phase Systems by Experience Replay. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 51, 3159-3167	7.3	