

Yao Zou

List of Publications by Year in descending order

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54
papers

1,166
citations

331670

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395702

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54
docs citations

54
times ranked

840
citing authors

#	ARTICLE	IF	CITATIONS
1	A Robust Adaptive RBFNN Augmenting Backstepping Control Approach for a Model-Scaled Helicopter. IEEE Transactions on Control Systems Technology, 2015, 23, 2344-2352.	5.2	90
2	Distributed Formation Control for Multiple Vertical Takeoff and Landing UAVs With Switching Topologies. IEEE/ASME Transactions on Mechatronics, 2018, 23, 1750-1761.	5.8	84
3	Nonlinear robust adaptive hierarchical sliding mode control approach for quadrotors. International Journal of Robust and Nonlinear Control, 2017, 27, 925-941.	3.7	73
4	Adaptive integral LOS path following for an unmanned airship with uncertainties based on robust RBFNN backstepping. ISA Transactions, 2016, 65, 210-219.	5.7	69
5	Coordinated trajectory tracking of multiple vertical take-off and landing UAVs. Automatica, 2019, 99, 33-40.	5.0	59
6	Distributed Time-Varying Convex Optimization for a Class of Nonlinear Multiagent Systems. IEEE Transactions on Automatic Control, 2020, 65, 801-808.	5.7	52
7	Immersion and Invariance-Based Adaptive Controller for Quadrotor Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2288-2297.	9.3	51
8	Velocity-Free Leader-Follower Cooperative Attitude Tracking of Multiple Rigid Bodies on SO(3). IEEE Transactions on Cybernetics, 2019, 49, 4078-4089.	9.5	41
9	Adaptive distributed optimization algorithms for Euler-Lagrange systems. Automatica, 2020, 119, 109060.	5.0	37
10	Adaptive trajectory tracking controller for quadrotor systems subject to parametric uncertainties. Journal of the Franklin Institute, 2017, 354, 6724-6746.	3.4	35
11	Attitude tracking control for spacecraft with robust adaptive RBFNN augmenting sliding mode control. Aerospace Science and Technology, 2016, 56, 197-204.	4.8	30
12	Trajectory tracking controller for quadrotors without velocity and angular velocity measurements. IET Control Theory and Applications, 2017, 11, 101-109.	2.1	27
13	Distributed Control Algorithm for Leader-Follower Formation Tracking of Multiple Quadrotors: Theory and Experiment. IEEE/ASME Transactions on Mechatronics, 2021, 26, 1095-1105.	5.8	27
14	On exponential stability of switched homogeneous positive systems of degree one. Automatica, 2019, 103, 302-309.	5.0	26
15	Adaptive Coordinated Formation Control of Heterogeneous Vertical Takeoff and Landing UAVs Subject to Parametric Uncertainties. IEEE Transactions on Cybernetics, 2022, 52, 3184-3195.	9.5	26
16	Robust Fault-Tolerant Control for Underactuated Takeoff and Landing UAVs. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 3545-3555.	4.7	26
17	Distributed-Observer-Based Nash Equilibrium Seeking Algorithm for Quadratic Games With Nonlinear Dynamics. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7260-7268.	9.3	24
18	Adaptive fixed-time fault-tolerant control for noncooperative spacecraft proximity using relative motion information. Nonlinear Dynamics, 2020, 100, 2521-2535.	5.2	23

#	ARTICLE	IF	CITATIONS
19	Adaptive Saturated Fault-Tolerant Control for Spacecraft Rendezvous With Redundancy Thrusters. IEEE Transactions on Control Systems Technology, 2021, 29, 502-513.	5.2	23
20	Three-dimensional adaptive fixed-time cooperative guidance law with impact time and angle constraints. Aerospace Science and Technology, 2022, 123, 107450.	4.8	22
21	A Miniature Video Stabilization System for Flapping-Wing Aerial Vehicles. Research on World Agricultural Economy, 2022, 02, .	1.3	21
22	Visual Object Tracking and Servoing Control of a Nano-Scale Quadrotor: System, Algorithms, and Experiments. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 344-360.	13.1	20
23	Distributed Localization and Circumnavigation Algorithms for a Multiagent System With Persistent and Intermittent Bearing Measurements. IEEE Transactions on Control Systems Technology, 2021, 29, 2092-2101.	5.2	20
24	Nonlinear Robust Controller for Miniature Helicopters Without Singularity. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 1402-1411.	4.7	19
25	Distributed Continuous-Time Algorithm for Constrained Optimization of Networked Euler-Lagrange Systems. IEEE Transactions on Control of Network Systems, 2021, 8, 1034-1042.	3.7	19
26	Nonlinear hierarchical control for quad-rotors with rotation matrix. International Journal of Control, 2017, 90, 1308-1318.	1.9	18
27	Distributed cooperative guidance law for multiple missiles with input delay and topology switching. Journal of the Franklin Institute, 2021, 358, 9061-9085.	3.4	18
28	Continuous-time distributed Nash equilibrium seeking algorithms for non-cooperative constrained games. Automatica, 2021, 127, 109535.	5.0	17
29	Singularity-free nonlinear controller for a model-scaled autonomous helicopter. IET Control Theory and Applications, 2016, 10, 210-219.	2.1	15
30	Adaptive Fault-Tolerant Distributed Formation Control of Clustered Vertical Takeoff and Landing UAVs. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 1069-1082.	4.7	15
31	Singularity-free backstepping controller for model helicopters. ISA Transactions, 2016, 65, 133-142.	5.7	14
32	Neuroadaptive saturated control for relative motion based noncooperative spacecraft proximity with prescribed performance. Acta Astronautica, 2021, 180, 361-369.	3.2	13
33	Distributed hierarchical control for multiple vertical takeoff and landing UAVs with a distance-based network topology. International Journal of Robust and Nonlinear Control, 2019, 29, 2573-2588.	3.7	12
34	Targeted Bipartite Consensus of Opinion Dynamics in Social Networks With Credibility Intervals. IEEE Transactions on Cybernetics, 2022, 52, 372-383.	9.5	11
35	Stationary target localization and circumnavigation by a non-holonomic differentially driven mobile robot: Algorithms and experiments. International Journal of Robust and Nonlinear Control, 2021, 31, 2061-2081.	3.7	9
36	Distributed continuous-time constrained convex optimization with general time-varying cost functions. International Journal of Robust and Nonlinear Control, 2021, 31, 2222-2236.	3.7	9

#	ARTICLE	IF	CITATIONS
37	Singularity-free adaptive fault-tolerant trajectory tracking controller for VTOL UAVs. <i>International Journal of Systems Science</i> , 2017, 48, 2223-2234.	5.5	8
38	Distributed Output-Feedback Formation Tracking Control for Clustered Quadrotors. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2022, 58, 1894-1905.	4.7	8
39	An integral sliding mode fault tolerant control for a class of non-linear Lipschitz systems. <i>IET Control Theory and Applications</i> , 2021, 15, 390-403.	2.1	6
40	Bipartite Consensus of Opinion Dynamics Through Delivering Credible Information. <i>IEEE Transactions on Control of Network Systems</i> , 2021, 8, 781-790.	3.7	5
41	Velocity-free coordinated attitude synchronisation and tracking control of multiple spacecraft. <i>IET Control Theory and Applications</i> , 2020, 14, 461-469.	2.1	5
42	Coordinate-Free Distributed Localization and Circumnavigation for Nonholonomic Vehicles Without Position Information. <i>IEEE/ASME Transactions on Mechatronics</i> , 2022, 27, 2523-2534.	5.8	5
43	Distributed Optimization for Second-Order Discrete-Time Multiagent Systems With Set Constraints. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2023, 34, 5629-5639.	11.3	5
44	Adaptive backstepping trajectory tracking controller for a miniature helicopter. <i>International Journal of Adaptive Control and Signal Processing</i> , 2017, 31, 710-725.	4.1	4
45	Sampled-data distributed protocol for coordinated aggregation of multi-agent systems subject to communication delays. <i>Nonlinear Analysis: Hybrid Systems</i> , 2021, 43, 101108.	3.5	4
46	Active disturbance rejection controllers optimized via adaptive granularity learning distributed pigeon-inspired optimization for autonomous aerial refueling hose-drogue system. <i>Aerospace Science and Technology</i> , 2022, 124, 107528.	4.8	4
47	Distributed Interval Consensus of Multiagent Systems With a Pulse Width Modulation Protocol. <i>IEEE Transactions on Automatic Control</i> , 2023, 68, 1730-1737.	5.7	4
48	Distributed Time-Varying Economic Dispatch via a Prediction-Correction Method. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2022, 69, 4215-4224.	5.4	4
49	Finite-Time Distributed Set-Point Attitude Tracking Control of Multi-Spacecraft Using Relative Measurements. , 2020, , .		3
50	Cooperative guidance law for multiple missiles simultaneous attacks with fixed-time convergence. <i>International Journal of Control</i> , 2023, 96, 2167-2180.	1.9	3
51	Consensus of cooperative-antagonistic multi-agent networks with asynchronous three-option decision mechanism. <i>Automatica</i> , 2022, 140, 110258.	5.0	2
52	Distributed Consensus of Second-Order Multi-Vehicle Systems with Heterogeneous and Unavailable Inertia Matrices. , 2020, , .		1
53	Tracking Control of Vertical Tail Damaged Aircraft with dissimilar Actuator Configuration. , 2021, , .		0
54	Design of a Bird-inspired Flapping Wing Robot Based on Spatial Four-bar Mechanism. , 2021, , .		0