Hai-Long Pei

List of Publications by Year
in descending order

47 papers	**193** citations	1307594 **7** h-index	1199594 **12** g-index
47 all docs	**47** docs citations	**47** times ranked	**141** citing authors

#	Article	IF	Citations
1	Fixed Time Disturbance Observer Based Sliding Mode Control for a Miniature Unmanned Helicopter Hover Operations in Presence of External Disturbances. IEEE Access, 2020, 8, 73173-73181.	4.2	25
2	Adaptive Output Feedback Control Using Fault Compensation and Fault Estimation for Linear System with Actuator Failure. International Journal of Automation and Computing, 2013, 10, 463-471.	4.5	22
3	Neural-Networks Control for Hover to High-Speed-Level-Flight Transition of Ducted Fan UAV With Provable Stability. IEEE Access, 2020, 8, 100135-100151.	4.2	17
4	Object tracking based on particle filter with discriminative features. Journal of Control Theory and Applications, 2013, 11, 42-53.	0.8	10
5	A Varying-Parameter Adaptive Multi-Layer Neural Dynamic Method for Designing Controllers and Application to Unmanned Aerial Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4876-4888.	8.0	10
6	Anti€windup design for rational systems by linear€fractional representation. IET Control Theory and Applications, 2014, 8, 355-366.	2.1	9
7	Gain Scheduling Control of A Small Unmanned Helicopter. , 2007, , .		8
8	Part-based multi-task deep network for autonomous indoor drone navigation. Transactions of the Institute of Measurement and Control, 2020, 42, 3243-3253.	1.7	8
9	State of Charge Dual Estimation of a Li-ion Battery Based on Variable Forgetting Factor Recursive Least Square and Multi-Innovation Unscented Kalman Filter Algorithm. Energies, 2022, 15, 1529.	3.1	8
10	Hover-to-Cruise Transition Control for High-Speed Level Flight of Ducted Fan UAV. , 2020, , .		6
11	Transition Analysis and Practical Flight Control for Ducted Fan Fixed-Wing Aerial Robot: Level Path Flight Mode Transition. IEEE Robotics and Automation Letters, 2022, 7, 3106-3113.	5.1	6
12	Trajectory tracking control of a small unmanned helicopter using MPC and backstepping. , 2011, , .		5
13	Robust Fault-Tolerant Control Studies of State and Control Time-Delay System Based on T-S Fuzzy Model. , 2008, , .		4
14	A gust-attenuation robust H<inf>∞</inf> output-feedback control design for unmanned autonomous helicopters. , 2012, , .		4
15	Satellite formation control and navigation experiment platform based on UAVs. , 2016, , .		4
16	Parameter identification of JONSWAP spectrum acquired by airborne LIDAR. Journal of Ocean University of China, 2017, 16, 998-1002.	1.2	4
17	A novel redesign framework to extend the application scope of a class of disturbance€rejection algorithms. International Journal of Robust and Nonlinear Control, 2020, 30, 321-337.	3.7	4
18	Two time€scale assignment with state extension for an autonomous helicopter. Asian Journal of Control, 2021, 23, 1707-1719.	3.0	4

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19	Modeling, identification and robust H$_\infty$ static output feedback control of lateral dynamics of a miniature helicopter. , 2011, , .		3
20	Modified static anti-windup for saturated systems with sector-bounded and slope-restricted nonlinearities. International Journal of Robust and Nonlinear Control, 2016, 26, 3441-3459.	3.7	3
21	A new information-weighted recursive algorithm for time-varying systems: application to UAV system identification. International Journal of Systems Science, 2018, 49, 2477-2489.	5.5	3
22	Non-Uniform Discretization-based Ordinal Regression for Monocular Depth Estimation of an Indoor Drone. Electronics (Switzerland), 2020, 9, 1767.	3.1	3
23	Redesign of approximate dynamic inversion for pure-feedback nonaffine-in-control nonlinear systems via input saturation. International Journal of Control, 2021, 94, 2758-2765.	1.9	3
24	Approximate Dynamic Inversion for Nonaffine Nonlinear Systems With High-Order Mismatched Disturbances and Actuator Saturation. IEEE Access, 2020, 8, 26247-26256.	4.2	3
25	Flight Transition Control for Ducted Fan UAV with Saturation on Control Surfaces. , 2021, , .		3
26	Decentralized cooperative control for swarm agents with high-order dynamics. , 2009, , .		2
27	Ranging-aided relative navigation of multi-platforms. Control Theory and Technology, 2018, 16, 122-132.	1.6	2
28	Estimation of velocity potential of water waves using a Luenberger-like observer. Science China Information Sciences, 2020, 63, 1.	4.3	2
29	Super-resolution reconstruction method of face image based on attention mechanism. IEEE Access, 2024, , 1-1.	4.2	2
30	Study on High-Speed-to-Hovering Back-Transition Control of Ducted Fan UAV. , 2021, , .		2
31	An improved PID generalized predictive control algorithm. , 2008, , .		1
32	The Solution of Drone Attitudes on Lie Groups. , 2020, , .		1
33	Relative Pose Estimation Based on Pairwise Range With Application to Aerobridge. IEEE Access, 2020, 8, 196979-196991.	4.2	1
34	Design of Yaw Controller for a Small Unmanned Helicopter Based on Improved ADRC. Research on World Agricultural Economy, 2021, 01, .	1.3	1
35	An Efficient Approach for Abstraction-Refinement Verification of Hybrid Systems. , 2007, , .		0
36	L$_2$-L$_\infty$ Norm of Polytopic Systems with Time-varying Delay. , 2007, , .		0

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37	A Simplified Algorithm for Dynamic Matrix Control with PID Structure. , 2008, , .		0
38	Output feedback neural control of helicopters. , 2008, , .		0
39	Robust Stabilization of Switched Systems with Uncertain Input Delays. , 2008, , .		0
40	Observer-Based Gain Scheduling Control of Robotic Helicopter. , 2009, , .		0
41	Robust H<inf>2</inf> static output feedback tracking controller design of longitudinal dynamics of a miniature helicopter via LMI technique. , 2012, , .		0
42	Robust controller design for BTT missile equipped with grid fin. , 2016, , .		0
43	Simultaneous identification of velocity and water depth of linear water waves. , 2019, , .		0
44	Algorithm of Identification for Water Parameters of Linear Water Waves. , 2020, , .		0
45	Simultaneous dynamic controller and anti-windup synthesis for systems with sector-bounded and slope restrictions. , 2020, , .		0
46	Ranging-aided Aerobridge Navigation Using Dual Quaternion Based Multiplicative Extended Kalman Filter. , 2020, , .		0
47	Multi-Loss Function for Distance-to-collision Estimation. , 2021, , .		0