

Maopeng Ran

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7652337/publications.pdf>

Version: 2024-02-01

38
papers

746
citations

686830

13
h-index

580395

25
g-index

38
all docs

38
docs citations

38
times ranked

562
citing authors

#	ARTICLE	IF	CITATIONS
1	Stabilization of a class of nonlinear systems with actuator saturation via active disturbance rejection control. <i>Automatica</i> , 2016, 63, 302-310.	3.0	142
2	Active Disturbance Rejection Control for Uncertain Nonaffine-in-Control Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 5830-5836.	3.6	87
3	Active disturbance rejection control for uncertain time-delay nonlinear systems. <i>Automatica</i> , 2020, 112, 108692.	3.0	70
4	Backstepping design of missile guidance and control based on adaptive fuzzy sliding mode control. <i>Chinese Journal of Aeronautics</i> , 2014, 27, 634-642.	2.8	59
5	A new extended state observer for uncertain nonlinear systems. <i>Automatica</i> , 2021, 131, 109772.	3.0	48
6	Anti-windup design for uncertain nonlinear systems subject to actuator saturation and external disturbance. <i>International Journal of Robust and Nonlinear Control</i> , 2016, 26, 3421-3438.	2.1	40
7	Efficient Trajectory Planning for Multiple Non-Holonomic Mobile Robots via Prioritized Trajectory Optimization. <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 405-412.	3.3	35
8	Robust partial integrated guidance and control for missiles via extended state observer. <i>ISA Transactions</i> , 2016, 65, 27-36.	3.1	31
9	Fully distributed time-varying formation tracking control for multiple quadrotor vehicles via finite-time convergent extended state observer. <i>Chinese Journal of Aeronautics</i> , 2020, 33, 2907-2920.	2.8	29
10	Backstepping active disturbance rejection control: a delayed activation approach. <i>IET Control Theory and Applications</i> , 2017, 11, 2336-2342.	1.2	22
11	On Finite-time Stabilization of Active Disturbance Rejection Control for Uncertain Nonlinear Systems. <i>Asian Journal of Control</i> , 2018, 20, 415-424.	1.9	22
12	MPC-based Unified Trajectory Planning and Tracking Control Approach for Automated Guided Vehicles. , 2019, , .		20
13	Reinforcement-Learning-Based Disturbance Rejection Control for Uncertain Nonlinear Systems. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 9621-9633.	6.2	16
14	Time-varying formation control for unmanned aerial vehicles with external disturbances. <i>Transactions of the Institute of Measurement and Control</i> , 2019, 41, 3777-3786.	1.1	15
15	An analysis and design method for a class of nonlinear systems with nested saturations. <i>International Journal of Control</i> , 2016, 89, 1711-1724.	1.2	14
16	A Behavior-Based Mobile Robot Navigation Method with Deep Reinforcement Learning. <i>Unmanned Systems</i> , 2021, 09, 201-209.	2.7	12
17	Multistage anti-windup design for linear systems with saturation nonlinearity: enlargement of the domain of attraction. <i>Nonlinear Dynamics</i> , 2015, 80, 1543-1555.	2.7	11
18	Practical output consensus of nonlinear heterogeneous multi-agent systems with limited data rate. <i>Automatica</i> , 2021, 129, 109624.	3.0	10

#	ARTICLE	IF	CITATIONS
19	Improved particle swarm optimization approach to path planning of amphibious mouse robot. , 2011, , .		8
20	Stabilization of a class of switched uncertain systems by active disturbance rejection control. Transactions of the Institute of Measurement and Control, 2018, 40, 4421-4431.	1.1	6
21	Distributed output-feedback consensus control of multi-agent systems with dynamically changing directed interaction topologies. ISA Transactions, 2019, 85, 71-75.	3.1	6
22	Data rate for output feedback consensus of uncertain nonlinear multiagent systems. International Journal of Robust and Nonlinear Control, 2020, 30, 5430-5445.	2.1	6
23	Extended State Observer Based Reinforcement Learning and Disturbance Rejection for Uncertain Nonlinear Systems. , 2020, , .		6
24	Adaptive Observation-Based Efficient Reinforcement Learning for Uncertain Systems. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 5492-5503.	7.2	5
25	Design and Experimental Evaluation of a Hierarchical Controller for an Autonomous Ground Vehicle With Large Uncertainties. IEEE Transactions on Control Systems Technology, 2022, 30, 1215-1227.	3.2	5
26	Simultaneous anti-windup synthesis for linear systems subject to actuator saturation. Journal of Systems Engineering and Electronics, 2015, 26, 119-126.	1.1	4
27	Distributed Output Feedback Consensus of Uncertain Nonlinear Multi-Agent Systems With Limited Data Rate. , 2019, , .		4
28	Active Disturbance Rejection Time-Varying Formation Tracking for Unmanned Aerial Vehicles. , 2020, , .		4
29	Active disturbance rejection consensus control of uncertain high-order nonlinear multi-agent systems. Transactions of the Institute of Measurement and Control, 2020, 42, 604-617.	1.1	3
30	Integrated design of missile guidance and control: Active disturbance rejection control method. , 2014, , .		2
31	Fast Loop Closure Detection via Binary Content. , 2019, , .		2
32	Output tracking for nonlinear systems subject to unmodeled sluggish actuator dynamics via model-based extended state observer. ISA Transactions, 2022, 125, 198-211.	3.1	2
33	An Improved Antiwindup Design Using an Anticipatory Loop and an Immediate Loop. Mathematical Problems in Engineering, 2014, 2014, 1-9.	0.6	0
34	Simultaneous multi-stage anti-windup synthesis for open-loop stable plants. Transactions of the Institute of Measurement and Control, 2015, 37, 560-568.	1.1	0
35	Reply to "Comments on "Stabilization of a class of nonlinear systems with actuator saturation via active disturbance rejection control" [Automatica 63 (2016) 302-310]" Automatica, 2017, 83, 399.	3.0	0
36	Recognition and simulation of parachute action based on continuous hidden Markov model. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
37	Observer-based Sliding Mode Fault-Tolerant Control for Spacecraft Attitude System with Actuator Faults. , 2019, , .		0
38	Predictive ESO design for Manned Mars Landing. , 2020, , .		0