

# Zhongcai Zhang

## List of Publications by Year in descending order

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37  
papers

625  
citations

687220

13  
h-index

580701

25  
g-index

38  
all docs

38  
docs citations

38  
times ranked

454  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tracking controllers of nonlinear output-constrained surface ships subjected to external disturbances. <i>International Journal of Adaptive Control and Signal Processing</i> , 2022, 36, 484-502.	2.3	4
2	SDF-based tracking control for state-constrained nonholonomic systems with disturbances via relay switching control: Theory and experiment. <i>International Journal of Adaptive Control and Signal Processing</i> , 2022, 36, 852-869.	2.3	5
3	Disturbance-observer-based tracking controller for a flexible-joint robotic manipulator with full-state constraints. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2022, 236, 1166-1175.	0.7	1
4	Output feedback control of stochastic nonlinear systems based on extended state observer. <i>International Journal of Adaptive Control and Signal Processing</i> , 2022, 36, 1013-1031.	2.3	3
5	Event-trigger-based Neural Network Controller for Pure-feedback Nonlinear Systems with Full-state Constraints. <i>International Journal of Control, Automation and Systems</i> , 2022, 20, 1226-1237.	1.6	4
6	Output feedback regulation for a class of output-constrained nonlinear systems with iISS inverse dynamics. <i>IET Control Theory and Applications</i> , 2022, 16, 985-994.	1.2	1
7	Output feedback control of nonlinear cascaded systems with external disturbance and asymmetric constraints. <i>Nonlinear Dynamics</i> , 2022, 108, 3727-3743.	2.7	4
8	Integral sliding mode control of cable-driven rehabilitation robot based on nonlinear extended state observer. , 2022, , .		1
9	Further Results on Fixed-Time Stabilization and Tracking Control of a Marine Surface Ship Subjected to Output Constraints. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 5300-5310.	5.9	29
10	Adaptive Fuzzy Tracking Control of Autonomous Underwater Vehicles With Output Constraints. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 1311-1319.	6.5	72
11	Trajectory Tracking Control for State-Constrained Nonholonomic Chained System via Dynamic Surface Control. <i>IEEE Access</i> , 2021, 9, 21408-21415.	2.6	2
12	Trajectory Tracking Control Design for Nonholonomic Systems with Full-state Constraints. <i>International Journal of Control, Automation and Systems</i> , 2021, 19, 1798-1806.	1.6	16
13	Adaptive stabilization of state-constrained uncertain nonholonomic system via dynamic surface control. <i>International Journal of Adaptive Control and Signal Processing</i> , 2021, 35, 1649-1661.	2.3	5
14	MPPT Adaptive Controller of DC-based DFIG in Resistances Uncertainty. <i>International Journal of Control, Automation and Systems</i> , 2021, 19, 2734-2746.	1.6	9
15	Anti-disturbance control of stochastic nonlinear systems based on extended state observer. , 2021, , .		0
16	Disturbance-observer-based Tracking Control for A Flexible-Joint Robotic Manipulator with External Disturbance. , 2020, , .		1
17	Tracking Control Design for a Class of Mobile Robot with a Single Trailer via Differential Flatness Approach. <i>Lecture Notes in Electrical Engineering</i> , 2020, , 1303-1312.	0.3	0
18	A flexible current tracking control of sensorless induction motors via adaptive observer. <i>ISA Transactions</i> , 2019, 93, 180-188.	3.1	8

#	ARTICLE	IF	CITATIONS
19	Output feedback regulation control for a class of cascade nonlinear systems by time-varying Kalman observer. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 2149-2170.	2.1	13
20	Disturbance-Observer-Based Tracking Control for A Two-Link Robotic Manipulators with External Disturbances. , 2019, , .		1
21	Tracking control for strict-feedback nonlinear systems with time-varying full state constraints. <i>Transactions of the Institute of Measurement and Control</i> , 2018, 40, 3964-3977.	1.1	21
22	Disturbance-observer-based output feedback control of nonlinear cascaded systems with external disturbance. <i>IET Control Theory and Applications</i> , 2018, 12, 738-744.	1.2	24
23	Fixed-time Attitude Tracking Control of Rigid Spacecraft with Input Deadzone and Output Constraint. , 2018, , .		0
24	Disturbance-observer-based anti-swing control of underactuated crane systems via terminal sliding mode. <i>IET Control Theory and Applications</i> , 2018, 12, 2588-2594.	1.2	22
25	Nonlinear feedback design for fixed-time tracking of a class of nonlinear systems. <i>International Journal of Computer Mathematics</i> , 2017, 94, 1349-1362.	1.0	6
26	Fixed-time regulation control of uncertain nonholonomic systems and its applications. <i>International Journal of Control</i> , 2017, 90, 1327-1344.	1.2	56
27	Differential-flatness-based finite-time anti-swing control of underactuated crane systems. <i>Nonlinear Dynamics</i> , 2017, 87, 1749-1761.	2.7	75
28	Disturbance-observer-based path following predictive controller for underactuated surface vessels. , 2017, , .		1
29	Motion and anti-swing control of underactuated bridge cranes using differential flatness. , 2016, , .		4
30	Robust adaptive anti-swing control of underactuated crane systems with two parallel payloads and rail length constraint. <i>ISA Transactions</i> , 2016, 65, 275-283.	3.1	23
31	Adaptive motion and force tracking control for nonholonomic dynamic systems subject to affine constraints. <i>Transactions of the Institute of Measurement and Control</i> , 2016, 38, 482-491.	1.1	7
32	Saturated finite-time stabilization of uncertain nonholonomic systems in feedforward-like form and its application. <i>Nonlinear Dynamics</i> , 2016, 84, 1609-1622.	2.7	35
33	Further results on global stabilisation and tracking control for underactuated surface vessels with non-diagonal inertia and damping matrices. <i>International Journal of Control</i> , 2015, 88, 1679-1692.	1.2	45
34	Switching-based asymptotic stabilisation of underactuated ships with non-diagonal terms in their system matrices. <i>IET Control Theory and Applications</i> , 2015, 9, 972-980.	1.2	55
35	Finite-time stabilization of uncertain nonholonomic systems in feedforward-like form by output feedback. <i>ISA Transactions</i> , 2015, 59, 125-132.	3.1	46
36	Global asymptotic stabilization of underactuated surface vessels with nonzero off-diagonal terms in their system matrices. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
37	Global Tracking Controller for Underactuated Ship via Switching Design. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2014, 136, .	0.9	26