

Shuang Zhang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Neural Network-Based Cooperative Trajectory Tracking Control for a Mobile Dual Flexible Manipulator. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 6545-6556.	11.3	5
2	Vibration Control for Flexible Manipulators With Event-Triggering Mechanism and Actuator Failures. IEEE Transactions on Cybernetics, 2022, 52, 7591-7601.	9.5	16
3	Adaptive Neural Network Fixed-Time Control Design for Bilateral Teleoperation With Time Delay. IEEE Transactions on Cybernetics, 2022, 52, 9756-9769.	9.5	18
4	Cooperative Fault-Tolerant Control for a Mobile Dual Flexible Manipulator With Output Constraints. IEEE Transactions on Automation Science and Engineering, 2022, 19, 2689-2698.	5.2	6
5	Time-Varying Trajectory Tracking Boundary Control of a Flexible Rotation Beam Based on Servomechanism. IEEE Transactions on Industrial Electronics, 2022, 69, 9185-9195.	7.9	8
6	Neural Learning Control of a Robotic Manipulator with Finite-Time Convergence in the Presence of Unknown Backlash-Like Hysteresis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1916-1927.	9.3	15
7	Adaptive Event-Triggered Boundary Control for a Flexible Manipulator With Input Quantization. IEEE/ASME Transactions on Mechatronics, 2022, 27, 3706-3716.	5.8	7
8	Adaptive Compensation for Infinite Number of Actuator Faults and Time-Varying Delay of a Flexible Manipulator System. IEEE Transactions on Industrial Electronics, 2022, 69, 13141-13150.	7.9	9
9	ANN-Based vibration control of an aerial refueling hose system with input nonlinearity and prescribed output constraint. Journal of the Franklin Institute, 2022, 359, 2627-2645.	3.4	2
10	PDE Modeling and Tracking Control for the Flexible Tail of an Autonomous Robotic Fish. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7618-7627.	9.3	2
11	Boundary Output Feedback Control for a Flexible Two-Link Manipulator System With High-Gain Observers. IEEE Transactions on Control Systems Technology, 2021, 29, 835-840.	5.2	21
12	Approximate optimal control for an uncertain robot based on adaptive dynamic programming. Neurocomputing, 2021, 423, 308-317.	5.9	24
13	Neuro-learning-based adaptive control for state-constrained strict-feedback systems with unknown control direction. ISA Transactions, 2021, 112, 12-22.	5.7	11
14	Boundary Torque Control of a Flexible Two-Link Manipulator and Its Experimental Investigation. IEEE Transactions on Industrial Electronics, 2021, 68, 8708-8717.	7.9	18
15	Neural Networks-Based Fault Tolerant Control of a Robot via Fast Terminal Sliding Mode. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4091-4101.	9.3	58
16	Tracking control of a robotic system with deferred constraints and actuator faults. IET Control Theory and Applications, 2021, 15, 1257-1269.	2.1	4
17	Co-carrying an object by robot in cooperation with humans using visual and force sensing. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200373.	3.4	4
18	Adaptive neural network control for nonlinear cyber-physical systems subject to false data injection attacks with prescribed performance. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200372.	3.4	6

#	ARTICLE	IF	CITATIONS
19	Estimation of human impedance and motion intention for constrained human–robot interaction. <i>Neurocomputing</i> , 2020, 390, 268-279.	5.9	34
20	Vibration control for a flexible single-link manipulator and its application. <i>IET Control Theory and Applications</i> , 2020, 14, 930-938.	2.1	22
21	Vibration suppression and angle tracking of a fire-rescue ladder. <i>Nonlinear Dynamics</i> , 2020, 100, 2365-2380.	5.2	0
22	Fuzzy Logic Control of an Uncertain Manipulator With Full-State Constraints and Disturbance Observer. <i>IEEE Access</i> , 2020, 8, 24284-24295.	4.2	12
23	Adaptive inverse backlash boundary vibration control design for an Euler–Bernoulli beam system. <i>Journal of the Franklin Institute</i> , 2020, 357, 3434-3450.	3.4	12
24	Neural networks-based fixed-time control for a robot with uncertainties and input deadzone. <i>Neurocomputing</i> , 2020, 390, 139-147.	5.9	32
25	A Single Parameter-Based Adaptive Approach to Robotic Manipulators With Finite Time Convergence and Actuator Fault. <i>IEEE Access</i> , 2020, 8, 15123-15131.	4.2	4
26	Tracking Control of a Robotic System with Initial Constraint Violation and Actuator Faults. , 2020, , .		0
27	Cooperative control of dual-arm robots in different human-robot collaborative tasks. <i>Assembly Automation</i> , 2019, 40, 95-104.	1.7	22
28	Adaptive neural control of unknown non-affine nonlinear systems with input deadzone and unknown disturbance. <i>Nonlinear Dynamics</i> , 2019, 95, 1283-1299.	5.2	16
29	Adaptive neural control of quadruped robots with input deadzone. <i>Neurocomputing</i> , 2019, 329, 486-494.	5.9	6
30	Adaptive Neural Control for Robotic Manipulators With Output Constraints and Uncertainties. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 5554-5564.	11.3	243
31	Trajectory Tracking Control for the Flexible Wings of a Micro Aerial Vehicle. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018, 48, 2431-2441.	9.3	22
32	Fault-Tolerant Control against Performance Degradation of Actuators for a Robotic System with Guaranteed Prescribed Performance. , 2018, , .		1
33	Single Parameter Adaptive Control of Unknown Nonlinear Systems with Tracking Error Constraints. <i>Complexity</i> , 2018, 2018, 1-9.	1.6	3
34	Control Design for Nonlinear Flexible Wings of a Robotic Aircraft. <i>IEEE Transactions on Control Systems Technology</i> , 2017, 25, 351-357.	5.2	264
35	End-Point Regulation and Vibration Suppression of a Flexible Robotic Manipulator. <i>Asian Journal of Control</i> , 2017, 19, 245-254.	3.0	31
36	Vibration control of a flexible marine riser with joint angle constraint. <i>Nonlinear Dynamics</i> , 2017, 87, 617-632.	5.2	16

#	ARTICLE	IF	CITATIONS
37	Sliding Mode Control for an Inhomogeneous Heat Equation with Global Constraint. Asian Journal of Control, 2017, 19, 2116-2126.	3.0	8
38	Boundary control of a flexible crane system in two-dimensional space. IET Control Theory and Applications, 2017, 11, 2187-2194.	2.1	8
39	Active vibration control for a flexible string system with input backlash. IET Control Theory and Applications, 2016, 10, 800-805.	2.1	88
40	Stabilization of an inhomogeneous heat equation subject to constraint. , 2015, , .		1
41	Adaptive Control of a Flexible Crane System With the Boundary Output Constraint. IEEE Transactions on Industrial Electronics, 2014, 61, 4126-4133.	7.9	431
42	Robust adaptive control of a thruster assisted position mooring system. Automatica, 2014, 50, 1843-1851.	5.0	174