

# Xiuyu He

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

2,300  
citations

331670

21  
h-index

276875

41  
g-index

60  
all docs

60  
docs citations

60  
times ranked

1327  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unified iterative learning control for flexible structures with input constraints. <i>Automatica</i> , 2018, 96, 326-336.	5.0	283
2	Iterative Learning Control for a Flapping Wing Micro Aerial Vehicle Under Distributed Disturbances. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 1524-1535.	9.5	266
3	Dynamical Modeling and Boundary Vibration Control of a Rigid-Flexible Wing System. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020, 25, 2711-2721.	5.8	254
4	Boundary Vibration Control of Variable Length Crane Systems in Two-Dimensional Space With Output Constraints. <i>IEEE/ASME Transactions on Mechatronics</i> , 2017, 22, 1952-1962.	5.8	182
5	Boundary Adaptive Robust Control of a Flexible Riser System With Input Nonlinearities. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 1971-1980.	9.3	166
6	PDE Model-Based Boundary Control Design for a Flexible Robotic Manipulator With Input Backlash. <i>IEEE Transactions on Control Systems Technology</i> , 2019, 27, 790-797.	5.2	165
7	Boundary Disturbance Observer-Based Control of a Vibrating Single-Link Flexible Manipulator. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 2382-2390.	9.3	152
8	Boundary Control for an Axially Moving System With Input Restriction Based on Disturbance Observers. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 2242-2253.	9.3	111
9	Vibration Control of an Industrial Moving Strip in the Presence of Input Deadzone. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 4680-4689.	7.9	81
10	Vibration Control for Spatial Aerial Refueling Hoses With Bounded Actuators. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 4209-4217.	7.9	67
11	Vibration Control of Flexible Marine Riser Systems with Input Saturation. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015, , 1-1.	5.8	53
12	Robust adaptive vibration control for an uncertain flexible Timoshenko robotic manipulator with input and output constraints. <i>International Journal of Systems Science</i> , 2017, 48, 2860-2870.	5.5	52
13	Robust Adaptive Control of an Offshore Ocean Thermal Energy Conversion System. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 5285-5295.	9.3	45
14	Adaptive Inverse Control of a Vibrating Coupled Vessel-Riser System With Input Backlash. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 4706-4715.	9.3	36
15	Output Feedback Stabilization for an Axially Moving System. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 2374-2383.	9.3	36
16	Boundary output feedback control of a flexible string system with input saturation. <i>Nonlinear Dynamics</i> , 2015, 80, 871-888.	5.2	32
17	Boundary vibration control for a flexible Timoshenko robotic manipulator. <i>IET Control Theory and Applications</i> , 2018, 12, 875-882.	2.1	29
18	Boundary robust adaptive anti-saturation control of vibrating flexible riser systems. <i>Ocean Engineering</i> , 2019, 179, 298-306.	4.3	28

#	ARTICLE	IF	CITATIONS
19	Tracking Control of a Flexible String System Based on Iterative Learning Control. IEEE Transactions on Control Systems Technology, 2021, 29, 436-443.	5.2	27
20	Active vibration control of a nonlinear three-dimensional Euler-Bernoulli beam. JVC/Journal of Vibration and Control, 2017, 23, 3196-3215.	2.6	25
21	Vibration Control of a High-Rise Building Structure: Theory and Experiment. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 866-875.	13.1	23
22	Vibration control for a flexible single-link manipulator and its application. IET Control Theory and Applications, 2020, 14, 930-938.	2.1	22
23	Boundary control design for a vibrating flexible string system with input nonlinearities. Nonlinear Dynamics, 2018, 93, 323-333.	5.2	21
24	Modeling and Vibration Control of a Coupled Vessel-Mooring-Riser System. IEEE/ASME Transactions on Mechatronics, 2015, 20, 2832-2840.	5.8	19
25	Vibration control of a flexible marine riser with joint angle constraint. Nonlinear Dynamics, 2017, 87, 617-632.	5.2	16
26	Parallel Control of Distributed Parameter Systems. IEEE Transactions on Cybernetics, 2018, 48, 3291-3301.	9.5	12
27	Robust adaptive vibration control for a string with time-varying output constraint. International Journal of Robust and Nonlinear Control, 2018, 28, 5213-5231.	3.7	11
28	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
29	Boundary control of a flexible crane system in two-dimensional space. IET Control Theory and Applications, 2017, 11, 2187-2194.	2.1	8
30	Flight and Vibration Control of Flexible Air-Breathing Hypersonic Vehicles Under Actuator Faults. IEEE Transactions on Cybernetics, 2023, 53, 2741-2752.	9.5	7
31	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
32	Cooperative output feedback control of a mobile dual flexible manipulator. Journal of the Franklin Institute, 2021, 358, 6941-6961.	3.4	6
33	Predictor-Based Control for a Flexible Satellite Subject to Output Time Delay. IEEE Transactions on Control Systems Technology, 2022, 30, 1420-1432.	5.2	5
34	Adaptive Vibration Control for an Active Mass Damper of a High-Rise Building. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1970-1983.	9.3	5
35	Three-dimensional vibration suppression for an Euler-Bernoulli beam with asymmetric output constraint. Journal of the Franklin Institute, 2021, 358, 3470-3490.	3.4	5
36	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

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37	Boundary control of flexible aircraft wings for vibration suppression. International Journal of Control, 2019, 92, 2499-2508.	1.9	4
38	Stabilization control of a flexible marine riser with failed and bounded actuator and time-varying boundary constraints. International Journal of Robust and Nonlinear Control, 2021, 31, 7621-7639.	3.7	4
39	Active disturbance rejection controllers optimized via adaptive granularity learning distributed pigeon-inspired optimization for autonomous aerial refueling hose-drogue system. Aerospace Science and Technology, 2022, 124, 107528.	4.8	4
40	Adaptive control design for a nonuniform gantry crane with constrained tension. , 2014, , .		3
41	Vibration Suppression of a High-Rise Building With Adaptive Iterative Learning Control. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 4261-4272.	11.3	3
42	Boundary control design for a flexible robotic manipulator modeled as a Timoshenko beam. , 2016, , .		2
43	Disturbance Observer-based Control of a Flexible Robot Arm. , 2018, , .		2
44	Control Design of a Vibrating Flexible Timoshenko Robot Arm with Restricted Input. , 2018, , .		2
45	Vibration control of flexible string systems with nonlinear input. , 2018, , .		2
46	Vibration Control for a Flexible Timoshenko Arm Subject to Constrained Input. IEEE Access, 2019, 7, 42703-42709.	4.2	2
47	Fault-Tolerant Control for a Vibrating Nanobeam System. , 2019, , .		1
48	Time-delay Compensation and Stabilization for a Flexible Satellite. , 2020, , .		1
49	Boundary control design and stability analysis of an Euler-Bernoulli Beam system with input backlash. , 2015, , .		0
50	Vibration regulation of a flexible hose for aerial refueling system. , 2016, , .		0
51	Boundary control based on an infinite dimensional system of a marine riser with constraint. , 2016, , .		0
52	Modeling and vibration control of flexible wings with output constraint. , 2016, , .		0
53	Robust adaptive boundary control of a vibrating string with time-varying constraints. , 2017, , .		0
54	Active boundary control of a fire-rescue ladder. , 2017, , .		0

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55	Boundary constrained control of a flexible Timoshenko arm. , 2018, , .		0
56	Vibration control for a floating ocean thermal energy conversion system. , 2018, , .		0
57	Modeling and Boundary Control Design for a High-rise Building Structure. , 2019, , .		0
58	Vibration suppression and angle tracking of a fire-rescue ladder. Nonlinear Dynamics, 2020, 100, 2365-2380.	5.2	0
59	Vibration Control of a Probe-and-Drogue Refueling Hose System with Prescribed Bound. , 2020, , .		0
60	Cooperative Output Feedback Control of a Dual Rigid-Flexible Two-Link Manipulator. , 2021, , .		0