

Xiuyu He

List of Publications by Year in descending order

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60
papers

2,300
citations

331670

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h-index

276875

41
g-index

60
all docs

60
docs citations

60
times ranked

1327
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Flight and Vibration Control of Flexible Air-Breathing Hypersonic Vehicles Under Actuator Faults. IEEE Transactions on Cybernetics, 2023, 53, 2741-2752.	9.5	7
3	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
4	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
5	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
6	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
7	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
8	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
9	Adaptive Inverse Control of a Vibrating Coupled Vessel-Riser System With Input Backlash. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4706-4715.	9.3	36
10	Vibration Control for Spatial Aerial Refueling Hoses With Bounded Actuators. IEEE Transactions on Industrial Electronics, 2021, 68, 4209-4217.	7.9	67
11	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
12	Boundary Disturbance Observer-Based Control of a Vibrating Single-Link Flexible Manipulator. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2382-2390.	9.3	152
13	Vibration Control of a High-Rise Building Structure: Theory and Experiment. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 866-875.	13.1	23
14	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
15	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
16	Cooperative output feedback control of a mobile dual flexible manipulator. Journal of the Franklin Institute, 2021, 358, 6941-6961.	3.4	6
17	Cooperative Output Feedback Control of a Dual Rigid-Flexible Two-Link Manipulator. , 2021, , .		0
18	Robust Adaptive Control of an Offshore Ocean Thermal Energy Conversion System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 5285-5295.	9.3	45

#	ARTICLE	IF	CITATIONS
19	Time-delay Compensation and Stabilization for a Flexible Satellite. , 2020, , .		1
20	Vibration control for a flexible single-link manipulator and its application. IET Control Theory and Applications, 2020, 14, 930-938.	2.1	22
21	Vibration suppression and angle tracking of a fire-rescue ladder. Nonlinear Dynamics, 2020, 100, 2365-2380.	5.2	0
22	Dynamical Modeling and Boundary Vibration Control of a Rigid-Flexible Wing System. IEEE/ASME Transactions on Mechatronics, 2020, 25, 2711-2721.	5.8	254
23	Vibration Control of a Probe-and-Drogue Refueling Hose System with Prescribed Bound. , 2020, , .		0
24	Iterative Learning Control for a Flapping Wing Micro Aerial Vehicle Under Distributed Disturbances. IEEE Transactions on Cybernetics, 2019, 49, 1524-1535.	9.5	266
25	Boundary Control for an Axially Moving System With Input Restriction Based on Disturbance Observers. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2242-2253.	9.3	111
26	Boundary robust adaptive anti-saturation control of vibrating flexible riser systems. Ocean Engineering, 2019, 179, 298-306.	4.3	28
27	Vibration Control for a Flexible Timoshenko Arm Subject to Constrained Input. IEEE Access, 2019, 7, 42703-42709.	4.2	2
28	Modeling and Boundary Control Design for a High-rise Building Structure. , 2019, , .		0
29	Fault-Tolerant Control for a Vibrating Nanobeam System. , 2019, , .		1
30	Boundary Adaptive Robust Control of a Flexible Riser System With Input Nonlinearities. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1971-1980.	9.3	166
31	Output Feedback Stabilization for an Axially Moving System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2374-2383.	9.3	36
32	Boundary control of flexible aircraft wings for vibration suppression. International Journal of Control, 2019, 92, 2499-2508.	1.9	4
33	PDE Model-Based Boundary Control Design for a Flexible Robotic Manipulator With Input Backlash. IEEE Transactions on Control Systems Technology, 2019, 27, 790-797.	5.2	165
34	Boundary vibration control for a flexible Timoshenko robotic manipulator. IET Control Theory and Applications, 2018, 12, 875-882.	2.1	29
35	Boundary control design for a vibrating flexible string system with input nonlinearities. Nonlinear Dynamics, 2018, 93, 323-333.	5.2	21
36	Disturbance Observer-based Control of a Flexible Robot Arm. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
37	Control Design of a Vibrating Flexible Timoshenko Robot Arm with Restricted Input. , 2018, , .		2
38	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
39	Boundary constrained control of a flexible Timoshenko arm. , 2018, , .		0
40	Parallel Control of Distributed Parameter Systems. IEEE Transactions on Cybernetics, 2018, 48, 3291-3301.	9.5	12
41	Vibration control of flexible string systems with nonlinear input. , 2018, , .		2
42	Vibration control for a floating ocean thermal energy conversion system. , 2018, , .		0
43	Unified iterative learning control for flexible structures with input constraints. Automatica, 2018, 96, 326-336.	5.0	283
44	Active vibration control of a nonlinear three-dimensional Euler-Bernoulli beam. JVC/Journal of Vibration and Control, 2017, 23, 3196-3215.	2.6	25
45	Vibration Control of an Industrial Moving Strip in the Presence of Input Deadzone. IEEE Transactions on Industrial Electronics, 2017, 64, 4680-4689.	7.9	81
46	Robust adaptive vibration control for an uncertain flexible Timoshenko robotic manipulator with input and output constraints. International Journal of Systems Science, 2017, 48, 2860-2870.	5.5	52
47	Boundary Vibration Control of Variable Length Crane Systems in Two-Dimensional Space With Output Constraints. IEEE/ASME Transactions on Mechatronics, 2017, 22, 1952-1962.	5.8	182
48	Vibration control of a flexible marine riser with joint angle constraint. Nonlinear Dynamics, 2017, 87, 617-632.	5.2	16
49	Robust adaptive boundary control of a vibrating string with time-varying constraints. , 2017, , .		0
50	Active boundary control of a fire-rescue ladder. , 2017, , .		0
51	Boundary control of a flexible crane system in two-dimensional space. IET Control Theory and Applications, 2017, 11, 2187-2194.	2.1	8
52	Vibration regulation of a flexible hose for aerial refueling system. , 2016, , .		0
53	Boundary control based on an infinite dimensional system of a marine riser with constraint. , 2016, , .		0
54	Boundary control design for a flexible robotic manipulator modeled as a Timoshenko beam. , 2016, , .		2

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55	Modeling and vibration control of flexible wings with output constraint. , 2016, , .		0
56	Vibration Control of Flexible Marine Riser Systems with Input Saturation. IEEE/ASME Transactions on Mechatronics, 2015, , 1-1.	5.8	53
57	Boundary control design and stability analysis of an Euler-Bernoulli Beam system with input backlash. , 2015, , .		0
58	Modeling and Vibration Control of a Coupled Vessel-Mooring-Riser System. IEEE/ASME Transactions on Mechatronics, 2015, 20, 2832-2840.	5.8	19
59	Boundary output feedback control of a flexible string system with input saturation. Nonlinear Dynamics, 2015, 80, 871-888.	5.2	32
60	Adaptive control design for a nonuniform gantry crane with constrained tension. , 2014, , .		3