

Ti Chen

List of Publications by Year in descending order

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473
citing authors

#	ARTICLE	IF	CITATIONS
1	Continuous Leaderless Synchronization Control of Multiple Spacecraft on $SO(3)$. , 2022, , 299-309.		0
2	Transportation of Payload Using Multiple Quadrotors via Rigid Connection. International Journal of Aerospace Engineering, 2022, 2022, 1-13.	0.5	1
3	Characterizing an Air-Bearing Testbed for Simulating Spacecraft Dynamics and Control. Aerospace, 2022, 9, 246.	1.1	7
4	Review of attitude consensus of multiple spacecraft. Astrodynamics, 2022, 6, 329-356.	1.5	8
5	Distributed spacecraft attitude tracking and synchronization under directed graphs. Aerospace Science and Technology, 2021, 109, 106432.	2.5	24
6	Distributed Control of Flexible Payload Transportation Using Multiple Quadrotors. , 2021, , .		0
7	Cooperative Transportation of a Flexible Payload Using Two Quadrotors. Journal of Guidance, Control, and Dynamics, 2021, 44, 2099-2107.	1.6	7
8	Continuous leaderless synchronization control of multiple spacecraft on $SO(3)$. Astrodynamics, 2021, 5, 279-291.	1.5	7
9	Distributed Tracking of a Class of Underactuated Lagrangian Systems With Uncertain Parameters and Actuator Faults. IEEE Transactions on Industrial Electronics, 2020, 67, 4244-4253.	5.2	34
10	Attitude tracking of multiple spacecraft on $SO(3)$ with attitude constraints. , 2020, , .		0
11	Distributed Control of Multiple Flexible Manipulators With Unknown Disturbances and Dead-Zone Input. IEEE Transactions on Industrial Electronics, 2020, 67, 9937-9947.	5.2	36
12	Continuous PID-SMC based on improved EHGO for robot manipulators with limited state measurements. Journal of the Franklin Institute, 2020, 357, 10648-10668.	1.9	7
13	Koopman-Operator-Based Attitude Dynamics and Control on $SO(3)$. Journal of Guidance, Control, and Dynamics, 2020, 43, 2112-2126.	1.6	25
14	A novel cable-suspended quadrotor transportation system: From theory to experiment. Aerospace Science and Technology, 2020, 104, 105974.	2.5	37
15	Continuous constrained attitude regulation of multiple spacecraft on $SO(3)$. Aerospace Science and Technology, 2020, 99, 105769.	2.5	30
16	Distributed Adaptive Attitude Control for Networked Underactuated Flexible Spacecraft. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 215-225.	2.6	70
17	Distributed passivity-based control for multiple flexible spacecraft with attitude-only measurements. Aerospace Science and Technology, 2019, 94, 105408.	2.5	22
18	Distributed fixed-time control under directed graph using input shaping. Journal of the Franklin Institute, 2019, 356, 3554-3570.	1.9	6

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19	Distributed attitude tracking for multiple flexible spacecraft described by partial differential equations. <i>Acta Astronautica</i> , 2019, 159, 637-645.	1.7	39
20	Distributed tracking of multiple under-actuated Lagrangian systems with uncertain parameters and actuator faults. , 2019, , .		3
21	Iterative learning control of a flexible manipulator considering uncertain parameters and unknown repetitive disturbance. , 2019, , .		2
22	Rotation-matrix-based attitude tracking and synchronization of multiple flexible spacecraft under directed graph. , 2019, , .		1
23	Fixed-Time Consensus Control of Multiagent Systems Using Input Shaping. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 7433-7441.	5.2	18
24	Distributed adaptive fault-tolerant attitude tracking of multiple flexible spacecraft on $SO(3)$. <i>Nonlinear Dynamics</i> , 2019, 95, 1827-1839.	2.7	47
25	Rotation-Matrix-Based Attitude Tracking for Multiple Flexible Spacecraft with Actuator Faults. <i>Journal of Guidance, Control, and Dynamics</i> , 2019, 42, 181-188.	1.6	69
26	Cooperative Transportation of Cable-suspended Slender Payload Using Two Quadrotors. , 2019, , .		9
27	Autonomous assembly with collision avoidance of a fleet of flexible spacecraft based on disturbance observer. <i>Acta Astronautica</i> , 2018, 147, 86-96.	1.7	61
28	Analytical and experimental investigations of a space antenna system of four DOFs with internal resonances. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018, 63, 380-403.	1.7	8
29	Distributed adaptive control for multiple under-actuated Lagrangian systems under fixed or switching topology. <i>Nonlinear Dynamics</i> , 2018, 93, 1705-1718.	2.7	17
30	Nonlinear analysis and experimental investigation of a rigid-flexible antenna system. <i>Meccanica</i> , 2018, 53, 33-48.	1.2	12
31	Distributed adaptive tracking control of multiple flexible spacecraft under various actuator and measurement limitations. <i>Nonlinear Dynamics</i> , 2018, 91, 1571-1586.	2.7	28
32	Distributed Fixed-Time Control of Multi-agent Systems with Input Shaping*. , 2018, , .		1
33	Ground-based experiments of tether deployment subject to an analytical control law. <i>Acta Astronautica</i> , 2018, 151, 253-259.	1.7	8
34	Boundary Control of a Flexible Manipulator Based on a High Order Disturbance Observer with Input Saturation. <i>Shock and Vibration</i> , 2018, 2018, 1-10.	0.3	3
35	Distributed adaptive attitude control for multiple underactuated flexible spacecraft. , 2018, , .		5
36	Distributed finite-time tracking for a team of planar flexible spacecraft. <i>ISA Transactions</i> , 2017, 69, 214-221.	3.1	15

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37	On-orbit assembly of a team of flexible spacecraft using potential field based method. <i>Acta Astronautica</i> , 2017, 133, 221-232.	1.7	45
38	Quasi-time-optimal controller design for a rigid-flexible multibody system via absolute coordinate-based formulation. <i>Nonlinear Dynamics</i> , 2017, 88, 623-633.	2.7	42
39	Model predictive control of rigid spacecraft with two variable speed control moment gyroscopes. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2017, 38, 1551-1564.	1.9	4
40	Passivity-based control with collision avoidance for a hub-beam spacecraft. <i>Advances in Space Research</i> , 2017, 59, 425-433.	1.2	26
41	Nonlinear Modeling and Identification of an Aluminum Honeycomb Panel with Multiple Bolts. <i>Shock and Vibration</i> , 2016, 2016, 1-8.	0.3	3
42	Dynamics and control of robotic spacecrafts for the transportation of flexible elements. <i>Journal of Physics: Conference Series</i> , 2016, 744, 012060.	0.3	0
43	Output consensus and collision avoidance of a team of flexible spacecraft for on-orbit autonomous assembly. <i>Acta Astronautica</i> , 2016, 121, 271-281.	1.7	69
44	New Design and Dynamic Analysis for Deploying Rolled Booms with Thin Wall. <i>Journal of Spacecraft and Rockets</i> , 2016, 53, 225-230.	1.3	3
45	Manoeuvres of spacecraft with flexible appendage in obstacle environment. <i>International Journal of Space Science and Engineering</i> , 2015, 3, 16.	0.1	0
46	Motion control and its ground-based experiment of a tethered subsatellite with a controllable rigid arm. <i>Journal of Physics: Conference Series</i> , 2013, 448, 012004.	0.3	0