

# Dachang Zhu

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Adaptive Robust Control for a Spatial Flexible Timoshenko Manipulator Subject to Input Dead-Zone. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1395-1404.	5.9	14
2	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.	5.9	36
3	Simulation and experimental study on droplet breakup modes and redrawing of their phase diagram. Physics of Fluids, 2021, 33, 082105.	1.6	7
4	Vibration Control of a Riser-Vessel System Subject to Input Backlash and Extraneous Disturbances. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 516-520.	2.2	38
5	Constant Force PID Control for Robotic Manipulator Based on Fuzzy Neural Network Algorithm. Complexity, 2020, 2020, 1-11.	0.9	12
6	Adaptive Backstepping Sliding Mode Control of Trajectory Tracking for Robotic Manipulators. Complexity, 2020, 2020, 1-11.	0.9	5
7	Optimal design method for 3-DOF planar compliant mechanisms based on mapping matrix constraints. Structures, 2020, 26, 1-5.	1.7	4
8	Topology optimization of a 6-DOF spatial compliant mechanism based on Stewart propotype platform. Acta Mechanica Sinica/Lixue Xuebao, 2019, 35, 1044-1059.	1.5	5
9	Topology optimization of three-translational degree-of-freedom spatial compliant mechanism. Advances in Mechanical Engineering, 2019, 11, 168781401982822.	0.8	3
10	Vibration Control of an Axially Moving System with Restricted Input. Complexity, 2019, 2019, 1-10.	0.9	3
11	Synergetic Control System for Multi-Robot Assembly Based on Multisource Heterogeneous Information Fusion. , 2018, , .		1
12	Feedback Feed-Forward Control of Piezoelectric Positioning Stages and Experimental Evaluation. , 2018, , .		3
13	Topology Optimization of Spatially Compliant Mechanisms with an Isomorphic Matrix of a 3-UPC Type Parallel Prototype Manipulator. Micromachines, 2018, 9, 184.	1.4	9
14	Multi-Objective Topology Optimization of a Compliant Parallel Planar Mechanism under Combined Load Cases and Constraints. Micromachines, 2017, 8, 279.	1.4	9
15	Topology Optimization of 3-DOF Peristaltic Structure Robot Based on Vector Continuous Mapping Matrix. Mathematical Problems in Engineering, 2016, 2016, 1-8.	0.6	3
16	Topology Optimization Integrated Design of 3-DOF Fully Compliant Planar Parallel Manipulator. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2015, 51, 30.	0.7	3