

# Dongyang Shang

## List of Publications by Year in descending order

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18  
papers

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citations

1307594

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#	ARTICLE	IF	CITATIONS
1	Tracking control strategy for space flexible manipulator considering nonlinear friction torque based on adaptive fuzzy compensation sliding mode controller. <i>Advances in Space Research</i> , 2023, 71, 3661-3680.	2.6	6
2	Speed control strategy of dual flexible servo system considering time-varying parameters for flexible manipulator with an axially translating arm. <i>Asian Journal of Control</i> , 2023, 25, 961-975.	3.0	6
3	Dynamic performance analysis of the variable stiffness actuator considering gap and friction characteristics based on two-inertia-system. <i>Mechanism and Machine Theory</i> , 2022, 168, 104584.	4.5	11
4	Dynamic modeling and damping performance improvement of two stage ISD suspension system. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2022, 236, 2259-2271.	1.9	4
5	Dynamic modeling and fuzzy compensation sliding mode control for flexible manipulator servo system. <i>Applied Mathematical Modelling</i> , 2022, 107, 530-556.	4.2	35
6	Vibration Suppression Method Based on PI Fuzzy Controller Containing Disturbance Observe for Dual-flexible Manipulator with an Axially Translating Arm. <i>International Journal of Control, Automation and Systems</i> , 2022, 20, 1682-1694.	2.7	15
7	Modeling and control strategy of flexible joint servo system in humanoid manipulator driven by tendon-sheath. <i>Journal of Mechanical Science and Technology</i> , 2022, 36, 2585-2595.	1.5	3
8	Dynamic modeling and control for dual-flexible servo system considering two-dimensional deformation based on neural network compensation. <i>Mechanism and Machine Theory</i> , 2022, 175, 104954.	4.5	21
9	Analysis of Contact Mechanical Characteristics of Flexible Parts in Harmonic Gear Reducer. <i>Shock and Vibration</i> , 2021, 2021, 1-17.	0.6	5
10	Control Method of Flexible Manipulator Servo System Based on a Combination of RBF Neural Network and Pole Placement Strategy. <i>Mathematics</i> , 2021, 9, 896.	2.2	22
11	Dynamic Characteristics Analysis of ISD Suspension System under Different Working Conditions. <i>Mathematics</i> , 2021, 9, 1345.	2.2	8
12	Dynamic Modeling and Vibration Characteristics Analysis of Deep-Groove Ball Bearing, Considering Sliding Effect. <i>Mathematics</i> , 2021, 9, 2408.	2.2	7
13	Joint Modeling and Closed-Loop Control of a Robotic Hand Driven by the Tendon-Sheath. <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 7333-7340.	5.1	6
14	Control Method for Flexible Joints in Manipulator Based on BP Neural Network Tuning PI Controller. <i>Mathematics</i> , 2021, 9, 3146.	2.2	3
15	Dynamic Modeling and Control of Inspection Robot Joint Drive System. , 2020, , .		1
16	Resonant Suppression Method Based on PI control for Serial Manipulator Servo Drive System. <i>Science Progress</i> , 2020, 103, 36850420950130.	1.9	24
17	Research on Vibration Suppression of Joint Servo System for Power Line Inspection Robot Based on Fuzzy Adaptive Control Strategy. , 2020, , .		0
18	The climbing performance analysis of a robot for power line inspection with retractable double serial manipulators. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 0, , 095440622110549.	2.1	6