

Chenkun Qi

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed Delay Compensation for a Hybrid Simulation System of Space Manipulator Capture. IEEE/ASME Transactions on Mechatronics, 2022, 27, 2367-2378.	5.8	7
2	Integration modeling and control of a 12-degree-of-freedom macro-micro dual parallel manipulator. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 6064-6076.	2.1	2
3	Robots at the Beijing 2022 Winter Olympics. Science Robotics, 2022, 7, eabq0785.	17.6	6
4	A Parameter Dimension Reduction-Based Estimation Approach to Enhance the Kinematic Accuracy of a Parallel Hardware-in-the-Loop Docking Simulator. Robotica, 2021, 39, 959-974.	1.9	3
5	Convergence Compensation for Space Contact Semiphysical Simulator Based on Mechanical Structure Dynamics. Journal of Aerospace Engineering, 2021, 34, .	1.4	2
6	Stair Climbing Capability-Based Dimensional Synthesis for the Multi-legged Robot. , 2021, , .		3
7	A Wiener Model Identification for Creep and Vibration Linear and Hysteresis Nonlinear Dynamics of Piezoelectric Actuator. IEEE Sensors Journal, 2021, 21, 27570-27581.	4.7	7
8	Pose Estimation by Key Points Registration in Point Cloud. , 2019, , .		5
9	Verifications of Delay Compensation for a Hybrid Motion Table*. , 2019, , .		0
10	Leg Spring Parameters Design for a Six-Legged Walking Robot. , 2019, , .		1
11	A Point Cloud Distortion Removing and Mapping Algorithm based on Lidar and IMU UKF Fusion. , 2019, , .		7
12	Normal contact stiffness identification-based force compensation for a hardware-in-the-loop docking simulator. Advanced Robotics, 2018, 32, 266-282.	1.8	6
13	Distortion Compensation for a Robotic Hardware-In-The-Loop Contact Simulator. IEEE Transactions on Control Systems Technology, 2018, 26, 1170-1179.	5.2	8
14	Low-Order Model based Divergence Compensation for Hardware-In-The-Loop Simulation of Space Discrete Contact. Journal of Intelligent and Robotic Systems: Theory and Applications, 2017, 86, 81-93.	3.4	6
15	A Force Compensation Approach Toward Divergence of Hardware-in-the-Loop Contact Simulation System for Damped Elastic Contact. IEEE Transactions on Industrial Electronics, 2017, 64, 2933-2943.	7.9	9
16	Contact Stiffness Identification with Delay and Structural Compensation for Hardware-in-the-Loop Contact Simulator. Journal of Intelligent and Robotic Systems: Theory and Applications, 2017, 86, 325-333.	3.4	6
17	Hardware-in-the-loop Simulation of Space Docking Device Using 6-DOF Parallel Robot. , 2017, , .		1
18	Hardware-in-the-loop simulation for the contact dynamic process of flying objects in space. Science China Technological Sciences, 2016, 59, 1167-1175.	4.0	16

#	ARTICLE	IF	CITATIONS
19	A neural network-based distributed parameter model identification approach for microcantilever. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2016, 230, 3663-3676.	2.1	2
20	An incremental Hammerstein-like modeling approach for the decoupled creep, vibration and hysteresis dynamics of piezoelectric actuator. Nonlinear Dynamics, 2015, 82, 2097-2118.	5.2	12
21	A quadruped robot with parallel mechanism legs. , 2014, , .		20
22	Modeling and identification of nonlinear distributed parameter dynamics of the micro-cantilever. , 2014, , .		1
23	Spring Parameters Design for the New Hydraulic Actuated Quadruped Robot. Journal of Mechanisms and Robotics, 2014, 6, .	2.2	37
24	Spring parameters design to increase the loading capability of a hydraulic quadruped robot. , 2013, , .		16
25	Fuzzy clustering based spatiotemporal fuzzy logic controller design. , 2012, , .		1
26	A Series Inspired CPG Model for Robot Walking Control. , 2012, , .		1
27	CPG and Reflexes Combined Adaptive Walking Control for AIBO. , 2012, , .		2
28	Time/Space-Separation-Based SVM Modeling for Nonlinear Distributed Parameter Processes. Industrial & Engineering Chemistry Research, 2011, 50, 332-341.	3.7	56
29	Data-driven based 3-D fuzzy logic controller design using nearest neighborhood clustering and linear support vector regression. , 2011, , .		1