Zhufeng Shao

List of Publications by Year
in descending order

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		623734	642732
39	594	14	23
papers	citations	h-index	g-index

39	39	39	374
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Research on the Orientation Error of the Translational Cable-Driven Parallel Robots. Journal of Mechanisms and Robotics, 2022, 14, .	2.2	6
2	Design and analysis of the cable-driven parallel robot for cleaning exterior wall of buildings. International Journal of Advanced Robotic Systems, 2021, 18, 172988142199031.	2.1	11
3	Analytical modeling and optimization of a corrugated soft pneumatic finger considering the performance of pinch and power grasps. Extreme Mechanics Letters, 2021, 44, 101215.	4.1	12
4	Design and Optimization of the New Cable-Driven Ankle Rehabilitation Equipment. Lecture Notes in Computer Science, 2021, , 597-607.	1.3	1
5	Optimization and implementation of a high-speed 3-DOFs translational cable-driven parallel robot. Mechanism and Machine Theory, 2020, 145, 103693.	4.5	43
6	An eikonal equation based path planning method using polygon decomposition and curve evolution. Defence Technology, 2020, 16, 1001-1018.	4.2	5
7	Torsional Stiffness Improvement of a Soft Pneumatic Finger Using Embedded Skeleton. Journal of Mechanisms and Robotics, 2020, 12, .	2.2	27
8	Workspace Analysis and Optimal Design of a Translational Cable-Driven Parallel Robot With Passive Springs. Journal of Mechanisms and Robotics, 2020, 12, .	2.2	15
9	Adaptive Controller Design Based On Predicted Time-delay for Teleoperation Systems Using Lambert W function. International Journal of Control, Automation and Systems, 2019, 17, 1445-1453.	2.7	14
10	Lambert W Function Controller Design for Teleoperation Systems. International Journal of Precision Engineering and Manufacturing, 2019, 20, 101-110.	2.2	8
11	Health Evaluation Method of CNC Machine Tools Based on Fuzzy Grey Clustering and Combined Weighting Method. , 2019, , .		2
12	Research on Stiffness Improvement of a Soft Pneumatic Finger Using Skeleton. , 2019, , .		0
13	Research on the Dynamic Trajectory of Cable-Suspended Parallel Robot Considering the Uniformity of Cable Tension. , 2019, , .		0
14	Analysis and optimization of a novel planar 5R parallel mechanism with variable actuation modes. Robotics and Computer-Integrated Manufacturing, 2019, 56, 178-190.	9.9	18
15	Analysis of flexible supported industrial robot on terminal accuracy. International Journal of Advanced Robotic Systems, 2018, 15, 172988141879302.	2.1	4
16	Kinematic analysis of the X4 translationalâ€“rotational parallel robot. International Journal of Advanced Robotic Systems, 2018, 15, 172988141880384.	2.1	9
17	Controller Design Based On Wavelet Neural Adaptive Proportional Plus Conventional Integral-Derivative For Bilateral Teleoperation Systems With Time-Varying Parameters. International Journal of Control, Automation and Systems, 2018, 16, 2405-2420.	2.7	17
18	Improving the kinematic performance of a planar 3-RRR parallel manipulator through actuation mode conversion. Mechanism and Machine Theory, 2018, 130, 86-108.	4.5	25

#	Article	IF	Citations
19	Optimal Design of a High-Speed Pick-and-Place Cable-Driven Parallel Robot. Mechanisms and Machine Science, 2018, , 340-352.	0.5	22
20	Dynamic performance analysis of the X4 high-speed pick-and-place parallel robot. Robotics and Computer-Integrated Manufacturing, 2017, 46, 48-57.	9.9	62
21	Performance Research of Planar 5R Parallel Mechanism with Variable Drive Configurations. Lecture Notes in Computer Science, 2017, , 453-463.	1.3	1
22	Dimensional optimization of the Stewart platform based on inertia decoupling characteristic. Robotica, 2016, 34, 1151-1167.	1.9	9
23	Dynamics Verification Experiment of the Stewart Parallel Manipulator. International Journal of Advanced Robotic Systems, 2015, 12, 144.	2.1	8
24	Study on Energy Consumption and Cable Force Optimization of Cable-Driven Parallel Mechanism in Automated Storage/Retrieval System. , 2015, , .		4
25	Atlas based kinematic optimum design of the Stewart parallel manipulator. Chinese Journal of Mechanical Engineering (English Edition), 2015, 28, 20-28.	3.7	23
26	Accuracy synthesis of a multi-level hybrid positioning mechanism for the feed support system in FAST. Robotics and Computer-Integrated Manufacturing, 2014, 30, 565-575.	9.9	17
27	Self-Excited Vibration Analysis for the Feed Support System in FAST. International Journal of Advanced Robotic Systems, 2014, 11, 63.	2.1	7
28	Optimal Design of a 3-DOF Cable-Driven Upper Arm Exoskeleton. Advances in Mechanical Engineering, 2014, 6, 157096.	1.6	18
29	Design and Analysis of a Wire-Driven Parallel Mechanism for Low-Gravity Environment Simulation. Advances in Mechanical Engineering, 2014, 6, 810606.	1.6	3
30	Trajectory generation and tracking control of a multi-level hybrid support manipulator in FAST. Mechatronics, 2013, 23, 1113-1122.	3.3	36
31	Optimum Design of 3-3 Stewart Platform Considering Inertia Property. Advances in Mechanical Engineering, 2013, 5, 249121.	1.6	11
32	Research on Longitudinal Vibration Characteristic of the Six-Cable-Driven Parallel Manipulator in FAST. Advances in Mechanical Engineering, 2013, 5, 547416.	1.6	9
33	The Structure and Dimensional Design of a Reconfigurable PKM. International Journal of Advanced Robotic Systems, 2013, 10, 267.	2.1	11
34	A Fuzzy PID Approach for the Vibration Control of the FSPM. International Journal of Advanced Robotic Systems, 2013, 10, 59.	2.1	14
35	Research on the inertia matching of the Stewart parallel manipulator. Robotics and Computer-Integrated Manufacturing, 2012, 28, 649-659.	9.9	43
36	Dynamic modeling and wind vibration control of the feed support system in FAST. Nonlinear Dynamics, 2012, 67, 965-985.	5.2	42

#	Article	IF	Citations
37	Driving force analysis for the secondary adjustable system in FAST. Robotica, 2011, 29, 903-915.	1.9	13
38	Inertia Match of a 3-RRR Reconfigurable Planar Parallel Manipulator. Chinese Journal of Mechanical Engineering (English Edition), 2009, 22, 791.	3.7	17
39	Self-calibration Method of Planar Flexible 3-RRR Parallel Manipulator. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2009, 45, 150.	0.5	7