Xuechao Duan

List of Publications by Year
in descending order

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26	286	933447	940533
papers	citations	10 h-index	16 g-index

26	26	26	234
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Improved Extreme Learning Machine Based UWB Positioning for Mobile Robots with Signal Interference. Machines, 2022, 10, 218.	2.2	8
2	Investigation of compact packing strategy for large rigid-panel deployable antennas. Mechanism and Machine Theory, 2022, 176, 104930.	4.5	6
3	Robust Loop Closure Detection Integrating Visualâ€“Spatialâ€“Semantic Information via Topological Graphs and CNN Features. Remote Sensing, 2020, 12, 3890.	4.0	18
4	Principal Component Weighted Grey Relational Analysis Method for Power Load Characteristic Forecasting. Lecture Notes in Electrical Engineering, 2020, , 222-229.	0.4	0
5	An Improved Robust Method for Pose Estimation of Cylindrical Parts with Interference Features. Sensors, 2019, 19, 2234.	3.8	6
6	Design and DOF Analysis of a Novel Compliant Parallel Mechanism for Large Load. Sensors, 2019, 19, 828.	3.8	11
7	Topology optimization of pretensioned reflector antennas with unified cable-bar model. Acta Astronautica, 2018, 152, 872-879.	3.2	7
8	Short-Term Power Load Forecasting Method Based on Improved Exponential Smoothing Grey Model. Mathematical Problems in Engineering, 2018, 2018, 1-11.	1.1	59
9	The Application Research of Inverse Finite Element Method for Frame Deformation Estimation. International Journal of Aerospace Engineering, 2017, 2017, 1-8.	0.9	14
10	Modeling and Control of the Redundant Parallel Adjustment Mechanism on a Deployable Antenna Panel. Sensors, 2016, 16, 1632.	3.8	4
11	Modeling and Analysis of a 2-DOF Spherical Parallel Manipulator. Sensors, 2016, 16, 1485.	3.8	21
12	Vibration Isolation and Trajectory Following Control of a Cable Suspended Stewart Platform. Machines, 2016, 4, 20.	2.2	5
13	On the mechatronic servo bandwidth of a stewart platform for active vibration isolating in a super antenna. Robotics and Computer-Integrated Manufacturing, 2016, 40, 66-77.	9.9	12
14	A Novel Online Self-Structuring Fuzzy Control Algorithm and Its Application. Mathematical Problems in Engineering, 2015, 2015, 1-10.	1.1	0
15	Complete real solution of the five-orientation motion generation problem for a spherical four-bar linkage. Chinese Journal of Mechanical Engineering (English Edition), 2015, 28, 258-266.	3.7	3
16	A large-stroke compliant jointâ€“based force/displacement integrated sensor. Advances in Mechanical Engineering, 2015, 7, 168781401562290.	1.6	0
17	Optimization of the workspace of a MEMS hexapod nanopositioner using an adaptive genetic algorithm. , 2014, , .		6
18	Workspace Classification and Quantification Calculations of Cable-Driven Parallel Robots. Advances in Mechanical Engineering, 2014, 6, 358727.	1.6	22

#	Article	IF	Citations
19	Calibration and Motion Control of a Cable-Driven Parallel Manipulator Based Triple-Level Spatial Positioner. Advances in Mechanical Engineering, 2014, 6, 368018.	1.6	19
20	Dynamic Analysis and Vibration Attenuation of Cable-Driven Parallel Manipulators for Large Workspace Applications. Advances in Mechanical Engineering, 2013, 5, 361585.	1.6	9
21	Nonlinear PD Control of a Long-Span Cable-Supporting Manipulator in Quasi-Static Motion. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2012, 134, .	1.6	3
22	Real-time motion planning for the macro-micro parallel manipulator system. , 2011, , .		3
23	Motion prediction and supervisory control of the macroâ€“micro parallel manipulator system. Robotica, 2011, 29, 1005-1015.	1.9	16
24	Jacobian analysis of a long-span cable-driven manipulator and its application to forward solution. Mechanism and Machine Theory, 2010, 45, 1227-1238.	4.5	25
25	Supervisory control of a macro-micro parallel manipulator system. , 2010, , .		1
26	Adaptive Interactive PID Supervisory Control of the Macro-micro Parallel Manipulator. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2010, 46, 10.	0.5	8