Qitao Huang

List of Publications by Year
in descending order

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35 papers	341 citations	1306789 7 h-index	1058022 14 g-index
37 all docs	37 docs citations	37 times ranked	256 citing authors

#	Article	IF	Citations
1	PD control with gravity compensation for hydraulic 6-DOF parallel manipulator. Mechanism and Machine Theory, 2010, 45, 666-677.	2.7	97
2	Decoupling control for spatial six-degree-of-freedom electro-hydraulic parallel robot. Robotics and Computer-Integrated Manufacturing, 2012, 28, 14-23.	6.1	62
3	Computed force and velocity control for spatial multi-DOF electro-hydraulic parallel manipulator. Mechatronics, 2012, 22, 715-722.	2.0	26
4	An inertial parameter identification method of eliminating system damping effect for a six-degree-of-freedom parallel manipulator. Chinese Journal of Aeronautics, 2015, 28, 582-592.	2.8	14
5	Spacecraft docking simulation using hardware-in-the-loop simulator with stewart platform. Chinese Journal of Mechanical Engineering (English Edition), 2005, 18, 415.	1.9	14
6	Forward Kinematics Analysis of Parallel Robots Using Global Newton-Raphson Method. , 2009, , .		11
7	Adaptive inverse control of random vibration based on the filtered-X LMS algorithm. Earthquake Engineering and Engineering Vibration, 2010, 9, 141-146.	1.1	10
8	Analysis of Performance Effect Factors of Three-Stage Electro-Hydraulic Servo Valve. Journal of Computers, 2009, 4, .	0.4	6
9	New Modeling and Analysis of Three-Stage Electro-Hydraulic Servo Valve. , 2008, , .		5
10	Model-based Control for 6-DOF Parallel Manipulator. , 2009, , .		5
11	Flight Simulator Architecture Development and Implementation. , 2009, , .		5
12	Dynamic Modeling of Spatial 6-DOF Parallel Robots Using Kane Method for Control Purposes. , 2010, , .		5
13	Kinematics Analysis of a 3-dof Rotational Parallel Mechanism. , 2008, , .		4
14	RESEARCH ON SPACE DOCKING HIL SIMULATION SYSTEM BASED ON STEWART 6-DOF MOTION SYSTEM. Proceedings of the JFPS International Symposium on Fluid Power, 2008, 2008, 213-218.	0.1	4
15	Real-time rendering of large-scale terrain based on GPU. , 2009, , .		4
16	Accuracy Synthesis of Stewart Platform Used in Testing System for Spacecraft Docking Mechanism. , 2009, , .		4
17	Investigation on the Graphitization Process of Amorphous Carbon for HAMR by Molecular Dynamics Simulation. IEEE Transactions on Magnetics, 2016, , 1-1.	1.2	4
18	Analysis and Application of the Singularity Locus of the Stewart Platform. Chinese Journal of Mechanical Engineering (English Edition), 2011, 24, 133.	1.9	4

#	Article	IF	Citations
19	Simulation and Analysis of a Full-Active Electro-Hydrostatic Powered Ankle Prosthesis. , 2019, , .		3
20	Study on Modeling and Simulation of a Flight Simulator Engine System. , 2007, , .		2
21	Modeling and Simulation of Hydraulic Power Take-Off Based on AQWA. Energies, 2022, 15, 3918.	1.6	2
22	Research on co-modeling virtual prototype of motion system of flight simulator. , 2009, , .		1
23	Architecture Development of Research Flight Simulator Based on COTS. , 2009, , .		1
24	Numerical simulation on flow characteristics of PM2.5 in the indoor environment. , 2015, , .		1
25	A Novel Design of Electro-hydraulic Driven Active Powered Ankle-Foot Prosthesis. Lecture Notes in Computer Science, 2021, , 622-630.	1.0	1
26	Analysis and compensation control of passive rotation on a 6-DOF electrically driven Stewart platform. Mechanical Sciences, 2021, 12, 1027-1036.	0.5	1
27	Application of Î¼ Theory in Compliant Force Control. Chinese Journal of Aeronautics, 2006, 19, 89-96.	2.8	0
28	Accurate Tracking Control Strategy of Harmonic Motion of 6-DOF Motion Simulator. , 2007, , .		0
29	A Study on Quick Cockpit for Flight Simulators Prototype Systems. , 2009, , .		0
30	Research on the Position-Controller for Lifted Hoist Based on Single-Chip Microcomputer. , 2009, , .		0
31	Simplified modeling of spatial 6-DOF parallel manipulator with heavily eccentric payload. , 2010, , .		0
32	Force Loading Research on the Transfixion of High-Speed Train. Applied Mechanics and Materials, 2013, 274, 140-144.	0.2	0
33	Research on multi-degree of freedom force loading system based on parallel mechanism. , 2015, , .		0
34	Lifting Wavelet-Based Progressive Compression and Real-Time Rendering to Large Terrain. Jisuanji Fuzhu Sheji Yu Tuxingxue Xuebao/Journal of Computer-Aided Design and Computer Graphics, 2010, 22, 1352-1359.	0.2	0
35	Decoupling Control of a Multiaxis Hydraulic Servo Shaking Table Based on Dynamic Model. Shock and Vibration, 2021, 2021, 1-12.	0.3	0