

Min Cheng

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	A Flow-Limited Rate Control Scheme for the Master-Slave Hydraulic Manipulator. IEEE Transactions on Industrial Electronics, 2022, 69, 4988-4998.	7.9	20
2	Investigation of the condensation heat-transfer between the wet air and 3-D finned-tube heat exchanger surface with different anti-corrosion coatings. Experimental Heat Transfer, 2022, 35, 399-418.	3.2	10
3	Adaptive Equivalent Consumption Minimization Strategy for Off-Road Hydraulic Hybrid Vehicles: A Cycle-to-Cycle Optimization Approach. IEEE Transactions on Vehicular Technology, 2022, 71, 2346-2357.	6.3	6
4	Human-machine interface for a master-slave hydraulic manipulator with vision enhancement and auditory feedback. Automation in Construction, 2022, 136, 104145.	9.8	7
5	A design constraint for a double-acting telescopic hydraulic cylinder in a hydraulic erecting system. Journal of Zhejiang University: Science A, 2022, 23, 1-13.	2.4	2
6	Human-Robot Shared Control Based on Locally Weighted Intent Prediction for a Teleoperated Hydraulic Manipulator System. IEEE/ASME Transactions on Mechatronics, 2022, 27, 4462-4474.	5.8	24
7	Practice of flow control and smart valves. Journal of Zhejiang University: Science A, 2022, 23, 243-246.	2.4	1
8	Terminal force soft sensing of hydraulic manipulator based on the parameter identification. Measurement: Journal of the International Measurement Confederation, 2022, 200, 111551.	5.0	6
9	Active Fault-Tolerant Control for Electro-Hydraulic Systems With an Independent Metering Valve Against Valve Faults. IEEE Transactions on Industrial Electronics, 2021, 68, 7221-7232.	7.9	54
10	Dynamic impact of hydraulic systems using pressure feedback for active damping. Applied Mathematical Modelling, 2021, 89, 454-469.	4.2	16
11	Development of a redundant anthropomorphic hydraulically actuated manipulator with a roll-pitch-yaw spherical wrist. Frontiers of Mechanical Engineering, 2021, 16, 698-710.	4.3	17
12	Power distribution method for a parallel hydraulic-pneumatic hybrid system using a piecewise function. Energy, 2021, 233, 121033.	8.8	5
13	Real-Time Anti-Saturation Flow Optimization Algorithm of the Redundant Hydraulic Manipulator. Actuators, 2021, 10, 11.	2.3	4
14	Sensor-Fault-Tolerant Operation for the Independent Metering Control System. IEEE/ASME Transactions on Mechatronics, 2021, 26, 2558-2569.	5.8	16
15	An Electrohydraulic Load Sensing System based on flow/pressure switched control for mobile machinery. ISA Transactions, 2020, 96, 367-375.	5.7	30
16	Independent Metering/Displacement Control System on Excavator*. , 2019, , .		1
17	Anti-windup scheme of the electronic load sensing pump via switched flow/power control. Mechatronics, 2019, 61, 1-11.	3.3	4
18	LFT-Structured Uncertainty State-Space Modeling for State Feedback Robust Control of the Ultra-Precision Wafer Stage. IEEE Transactions on Industrial Electronics, 2019, 66, 8567-8577.	7.9	6

#	ARTICLE	IF	CITATIONS
19	Energy efficiency improvement of heavy-load mobile hydraulic manipulator with electronically tunable operating modes. <i>Energy Conversion and Management</i> , 2019, 188, 447-461.	9.2	43
20	Motion control of multi-actuator hydraulic systems for mobile machineries: Recent advancements and future trends. <i>Frontiers of Mechanical Engineering</i> , 2018, 13, 151-166.	4.3	45
21	Programmable hydraulic control technique in construction machinery: Status, challenges and countermeasures. <i>Automation in Construction</i> , 2018, 95, 172-192.	9.8	33
22	Decoupling Compensation for Damping Improvement of the Electrohydraulic Control System With Multiple Actuators. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018, 23, 1383-1392.	5.8	39
23	Pump-Based Compensation for Dynamic Improvement of the Electrohydraulic Flow Matching System. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 2903-2913.	7.9	23
24	Self-tuning pressure-feedback control by pole placement for vibration reduction of excavator with independent metering fluid power system. <i>Mechanical Systems and Signal Processing</i> , 2017, 92, 86-106.	8.0	40
25	Valve-based compensation for controllability improvement of the energy-saving electrohydraulic flow matching system. <i>Journal of Zhejiang University: Science A</i> , 2017, 18, 430-442.	2.4	7
26	Bumpless mode switch of independent metering fluid power system for mobile machinery. <i>Automation in Construction</i> , 2016, 68, 52-64.	9.8	29
27	A Hybrid Displacement/Pressure Control Scheme for an Electrohydraulic Flow Matching System. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015, 20, 2771-2782.	5.8	42
28	Pump/valves coordinate control of the independent metering system for mobile machinery. <i>Automation in Construction</i> , 2015, 57, 98-111.	9.8	65
29	Ex situ and in situ AFM investigations on the growth of the (100) face of KDP with different pH values. <i>Science China Technological Sciences</i> , 2010, 53, 1554-1561.	4.0	8