

# Yaoxing Shang

## List of Publications by Year in descending order

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37  
papers

262  
citations

1163117

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h-index

1058476

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37  
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37  
docs citations

37  
times ranked

200  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Research of High-Precision Pressure Regulation Algorithm Based on ON/OFF Valves for Aircraft Braking System. IEEE Transactions on Industrial Electronics, 2022, 69, 7797-7806.	7.9	9
2	An Experimental Study on Outer Frame Position Control of Hydraulic Flight Motion Simulator With Model Compensation. IEEE/ASME Transactions on Mechatronics, 2022, 27, 3419-3428.	5.8	10
3	A Novel Electro Hydrostatic Actuator System With Energy Recovery Module for More Electric Aircraft. IEEE Transactions on Industrial Electronics, 2020, 67, 2991-2999.	7.9	41
4	A novel hydraulic pulsation reduction component based on discharge and suction self-oscillation: Principle, design and experiment. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2020, 234, 433-445.	1.0	4
5	A power-by-wire aircraft brake system based on high-speed on-off valves. Aerospace Science and Technology, 2020, 106, 106177.	4.8	20
6	Viscous Loss Analysis of the Flooded Electro-Hydrostatic Actuator Motor under Laminar and Turbulent Flow States. Processes, 2020, 8, 975.	2.8	8
7	High-efficiency aircraft antiskid brake control algorithm via runway condition identification based on an on-off valve array. Chinese Journal of Aeronautics, 2019, 32, 2538-2556.	5.3	28
8	Nonlinear Synchronous Control for H-Type Gantry Stage Used in Electric Vehicles Manufacturing. Energies, 2019, 12, 2305.	3.1	2
9	Simulation and Optimization of Large Aircraft Landing Gear System based on AMESim and Python Script. , 2019, , .		1
10	Simulation and verification of pressure characteristics of aircraft hydraulic power system. , 2019, , .		0
11	Intelligent Design Platform for Large Aircraft Hydraulic System Based on AMESim and Python. , 2019, , .		0
12	An aircraft brake system matching design based on braking efficiency. , 2019, , .		0
13	Study on Compound Control of Hydraulic Motor with Servo Valve and Secondary Regulation. , 2019, , .		0
14	Motion Synchronous Composite Decoupling with Fewer Sensors on Multichannel Hydraulic Force Control for Aircraft Structural Loading Test System. Sensors, 2018, 18, 4050.	3.8	5
15	Load-Sensing Pump Design to Reduce Heat Generation of Electro-Hydrostatic Actuator Systems. Energies, 2018, 11, 2266.	3.1	13
16	Multi-Objective Optimization Design of an Electrohydrostatic Actuator Based on a Particle Swarm Optimization Algorithm and an Analytic Hierarchy Process. Energies, 2018, 11, 2426.	3.1	16
17	An integrated self-energized brake system for aircrafts based on a switching valve control. Aerospace Science and Technology, 2017, 60, 20-30.	4.8	24
18	Propulsion efficiency of flapping flight robots. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	Investigation the load matching of direct pressure valve controlled variable mechanism of axial variable piston pump. , 2017, , .		2
20	Integrated design of the electric test system for aircraft brake controller. , 2017, , .		0
21	Design and modeling of a novel self-powered brake system for MEA. , 2017, , .		0
22	Eliminate the surplus torque of electro-hydraulic load simulator using the actuator command dynamic compensation control. , 2016, , .		0
23	Pull-pull position control of dual motor wire rope transmission. Review of Scientific Instruments, 2016, 87, 085001.	1.3	2
24	Analysis on the flow requirement of an aircraft hydraulic energy system. , 2016, , .		0
25	Design and validation of hydraulic pump system driven by the electromotor under the high-power and long-time working state in an airborne. , 2016, , .		1
26	Aircraft anti-skid braking control with flow servo-valve. , 2015, , .		1
27	Analysis for the power loss of electro hydrostatic actuator and hydraulic actuator. , 2015, , .		12
28	Direct load sensitive electro-hydrostatic force control actuator for asymmetric cylinder with switch valve: Design and simulation. , 2015, , .		1
29	A new approach based on undulate propulsion theory for flapping wing analysis and design. , 2015, , .		2
30	Design and analysis of a direct load sensing electro-hydrostatic actuator. , 2015, , .		9
31	Compound Velocity Synchronizing Control Strategy for Electro-Hydraulic Load Simulator and Its Engineering Application. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2014, 136, 0510021-5100213.	1.6	23
32	A new rotary voice coil motor suitable for short angular strokes-design, modeling and optimization. , 2013, , .		1
33	Reliability of Wireless Sensor Network: Hotspot and critical challenges. , 2012, , .		6
34	Back-iron effect of tubular linear motors with dual Halbach permanent magnet arrays. , 2012, , .		2
35	Leakage calculation and control of vane Swing Hydraulic Motor based on ANSYS. , 2011, , .		1
36	The behavior modeling of computer generated warship forces system based on neural network. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
37	The Nonlinear Accuracy Model of Electro-Hydrostatic Actuator. , 2008, , .		18