

# Jiyun Zhao

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

263  
citations

1307594

7  
h-index

940533

16  
g-index

23  
all docs

23  
docs citations

23  
times ranked

218  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear cascade control of an electro-hydraulic actuator with large payload variation. <i>Asian Journal of Control</i> , 2023, 25, 101-113.	3.0	2
2	Neural network-based output synchronization control for multi-actuator system. <i>International Journal of Adaptive Control and Signal Processing</i> , 2022, 36, 1155-1171.	4.1	4
3	Dynamic surface control based on high-gain disturbance observer for electro-hydraulic systems with position/velocity constraints. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 3485-3494.	2.1	6
4	Output feedback control of electro-hydraulic asymmetric cylinder system with disturbances rejection. <i>Journal of the Franklin Institute</i> , 2021, 358, 1839-1859.	3.4	13
5	Energy recovery for hybrid hydraulic excavators: flywheel-based solutions. <i>Automation in Construction</i> , 2021, 125, 103648.	9.8	23
6	An Energy-Saving Output Feedback Control of Single-Rod Electrohydraulic Servo System with Disturbance Observer. <i>Complexity</i> , 2020, 2020, 1-12.	1.6	1
7	Non-rigid cutting of soft tissue: physical evidences of complex mechanical interaction process of soft materials. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	3
8	Study on the Similarity of Biomechanical Behavior between Gelatin and Porcine Liver. <i>BioMed Research International</i> , 2020, 2020, 1-10.	1.9	1
9	A Piston-Swiveling-Cylinder Pair in a High Water-Based Hydraulic Motor with Self-Balanced Distribution Valves. <i>Energies</i> , 2020, 13, 3175.	3.1	6
10	Influence of inlet pressure on cavitation characteristics in regulating valve. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2020, 14, 299-310.	3.1	29
11	Energy-Efficient Robust Control for Direct Drive and Energy Recuperation Hydraulic Servo System. <i>Complexity</i> , 2020, 2020, 1-19.	1.6	2
12	Continuous fracture of soft tissue under high-speed waterjet impact and its quantification method. <i>Mechanics of Materials</i> , 2020, 151, 103631.	3.2	6
13	A Novel Energy Recovery System Integrating Flywheel and Flow Regeneration for a Hydraulic Excavator Boom System. <i>Energies</i> , 2020, 13, 315.	3.1	21
14	Separation Behaviour Difference Between Gelatin and Porcine Liver Under High-Speed Waterjet Impact. <i>IEEE Access</i> , 2019, 7, 172021-172029.	4.2	5
15	Output feedback nonlinear energy-saving position control of electro-hydraulic asymmetric actuator. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2018, 232, 233-243.	1.0	3
16	The Influence of Valve-Pump Weight Ratios on the Dynamic Response of Leaking Valve-Pump Parallel Control Hydraulic Systems. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1201.	2.5	8
17	A New Hydraulic Speed Regulation Scheme: Valve-Pump Parallel Variable Mode Control. <i>IEEE Access</i> , 2018, 6, 55257-55263.	4.2	8
18	Valve-pump parallel variable mode control for hydraulic speed regulation of high-power systems. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401772768.	1.6	4

#	ARTICLE	IF	CITATIONS
19	LRLSHMDA: Laplacian Regularized Least Squares for Human Microbeâ€Disease Association prediction. Scientific Reports, 2017, 7, 7601.	3.3	112
20	A new pressure impact method of closed hydraulic rotation system with large inertia in the process of rapid startup and stop: Parallel valve controlled variable damping control. , 2015, , .		1
21	A new method of improving comprehensive performances of variable speed pump control systems with large power: Vvalve-pump parallel variable structure control. , 2015, , .		0
22	A New Method of Improving Low-Speed Performance of Variable Speed Hydraulic Systems: By Leaking Parallel Valve Control. Advances in Mechanical Engineering, 2014, 6, 967373.	1.6	4
23	Output feedback control for the driving cylinder of hydraulic support with error constraint. JVC/Journal of Vibration and Control, 0, , 107754632210913.	2.6	1