Yu Cao

List of Publications by Year
in descending order

		1163117	1199594
16 papers	259 citations	8 h-index	12 g-index
16 all docs	16 docs citations	16 times ranked	227 citing authors

#	Article	IF	Citations
1	An Echo State Gaussian Process-Based Nonlinear Model Predictive Control for Pneumatic Muscle Actuators. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1071-1084.	5.2	50
2	Neural-network-based nonlinear model predictive tracking control of a pneumatic muscle actuator-driven exoskeleton. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 1478-1488.	13.1	39
3	Adaptive Proxy-Based Robust Control Integrated With Nonlinear Disturbance Observer for Pneumatic Muscle Actuators. IEEE/ASME Transactions on Mechatronics, 2020, 25, 1756-1764.	5.8	31
4	An Automatic Analog Instrument Reading System Using Computer Vision and Inspection Robot. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 6322-6335.	4.7	28
5	Adaptive proxy-based sliding mode control for a class of second-order nonlinear systems and its application to pneumatic muscle actuators. ISA Transactions, 2022, 124, 395-402.	5.7	26
6	Single-Layer Learning-Based Predictive Control With Echo State Network for Pneumatic-Muscle-Actuators-Driven Exoskeleton. IEEE Transactions on Cognitive and Developmental Systems, 2021, 13, 80-90.	3.8	20
7	An Extended Proxy-Based Sliding Mode Control of Pneumatic Muscle Actuators. Applied Sciences (Switzerland), 2019, 9, 1571.	2.5	18
8	Optimizing Control of Passive Gait Training Exoskeleton Driven by Pneumatic Muscles Using Switch-Mode Firefly Algorithm. Robotica, 2019, 37, 2087-2103.	1.9	13
9	Extended-State-Observer-Based Super Twisting Control for Pneumatic Muscle Actuators. Actuators, 2021, 10, 35.	2.3	8
10	A Visual Servo Based Predictive Control with Echo State Gaussian Process for Soft Bending Actuator. IEEE/ASME Transactions on Mechatronics, 2020, , 1-1.	5.8	8
11	Adaptive Super-Twisting Control for Mobile Wheeled Inverted Pendulum Systems. Applied Sciences (Switzerland), 2019, 9, 2508.	2.5	7
12	Echo State Network-Enhanced Super-Twisting Control of Passive Gait Training Exoskeleton Driven by Pneumatic Muscles. IEEE/ASME Transactions on Mechatronics, 2022, 27, 5107-5118.	5.8	5
13	Dynamic Model of Exoskeleton Based on Pneumatic Muscle Actuators and Experiment Verification. , 2018, , .		4
14	A Predictive Control for Pneumatic Muscle Actuators based Exoskeleton by Using MIMO Echo State Network. , 2019, , .		1
15	Super Twisting Control of Passive Gait Training Exoskeleton Driven by Pneumatic Muscles. , 2019, , .		1
16	Prescribed Performance-based Chattering-free Tracking Control for Pneumatic Muscle Actuators. , 2021, , .		0