

Hao Xu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

45
papers

412
citations

13
h-index

18
g-index

60
ext. papers

550
ext. citations

5.9
avg, IF

4.49
L-index

#	Paper	IF	Citations
45	Underwater Acoustic Communication Channel Modeling using Reservoir Computing. <i>IEEE Access</i> , 2022 , 1-1	3.5	0
44	A Novel Transfer Learning-Based Intelligent Nonintrusive Load-Monitoring With Limited Measurements. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-8	5.2	14
43	Self-organizing probability neural network-based intelligent non-intrusive load monitoring with applications to low-cost residential measuring devices. <i>Transactions of the Institute of Measurement and Control</i> , 2021 , 43, 635-645	1.8	1
42	Large-Scale Multiagent System Tracking Control Using Mean Field Games. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	1
41	Decentralized Adaptive Optimal Tracking Control for Massive Autonomous Vehicle Systems With Heterogeneous Dynamics: A Stackelberg Game. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 5654-5663	10.3	0
40	Discrete-Time Self-Triggered Control of DC Microgrids With Data Dropouts and Communication Delays. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 4626-4636	10.7	10
39	A biologically-inspired reinforcement learning based intelligent distributed flocking control for Multi-Agent Systems in presence of uncertain system and dynamic environment. <i>IFAC Journal of Systems and Control</i> , 2020 , 13, 100096	0.9	7
38	Biomimetic Optimal Tracking Control using Mean Field Games and Spiking Neural Networks. <i>IFAC-PapersOnLine</i> , 2020 , 53, 8112-8117	0.7	0
37	Optimal resource allocation in networked control systems. <i>IET Cyber-Physical Systems: Theory and Applications</i> , 2020 , 5, 168-175	2.5	
36	2020 ,		2
35	A Novel Mean-Field-Game-Type Optimal Control for Very Large-Scale Multiagent Systems. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	2
34	Zero-Sum Game Based Cooperative Control for Onboard Pulsed Power Load Accommodation. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 238-247	11.9	17
33	Real-Time Single Object Detection on The UAV 2019 ,		3
32	Biologically inspired adaptive intelligent secondary control for MGs under cyber imperfections. <i>IET Cyber-Physical Systems: Theory and Applications</i> , 2019 , 4, 341-352	2.5	4
31	Decentralized Adaptive Optimal Tracking Control for Massive Multi-agent Systems: An Actor-Critic-Mass Algorithm 2019 ,		2
30	Intelligent Decentralized Dynamic Power Allocation in MANET at Tactical Edge based on Mean-Field Game Theory 2019 ,		4
29	Deep Reinforcement Learning Based Intelligent Decision Making for Two-player Sequential Game with Uncertain Irrational Player 2019 ,		1

28	Global Optimal Path Planning for Multi-agent Flocking: A Multi-Objective Optimization Approach with NSGA-III 2019 ,		2
27	Decentralized Adaptive Optimal Tracking Control for Massive Multi-Agent Systems with Input Constraint 2019 ,		2
26	MSNET-Blockchain: A New Framework for Securing Mobile Satellite Communication Network 2019 ,		6
25	A biologically-inspired distributed fault tolerant flocking control for multi-agent system in presence of uncertain dynamics and unknown disturbance. <i>Engineering Applications of Artificial Intelligence</i> , 2019 , 79, 1-12	7.2	20
24	Distributed Control of Inverter-Interfaced Microgrids Based on Consensus Algorithm With Improved Transient Performance. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 1303-1312	10.7	24
23	A neurobiologically-inspired intelligent trajectory tracking control for unmanned aircraft systems with uncertain system dynamics and disturbance. <i>Transactions of the Institute of Measurement and Control</i> , 2019 , 41, 417-432	1.8	17
22	Distributed Control of Inverter-Interfaced Microgrids With Bounded Transient Line Currents. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 2052-2061	11.9	21
21	Adaptive neural network based intelligent secondary control for microgrids 2018 ,		8
20	Event-triggered and self-triggered wide-area damping control designs under uncertainties. <i>Transactions of the Institute of Measurement and Control</i> , 2018 , 40, 2259-2269	1.8	5
19	Q-Learning-Based Damping Control of Wide-Area Power Systems Under Cyber Uncertainties. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 6408-6418	10.7	34
18	Power Converters Based Advanced Experimental Platform for Integrated Study of Power and Controls. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 4940-4952	11.9	13
17	Switching Deep Reinforcement Learning based Intelligent Online Decision Making for Autonomous Systems under Uncertain Environment 2018 ,		1
16	The Deformable Quad-Rotor Enabled and Wasp-Pedal-Carrying Inspired Aerial Gripper 2018 ,		7
15	Biologically-Inspired Intelligent Flocking Control for Networked Multi-UAS with Uncertain Network Imperfections. <i>Drones</i> , 2018 , 2, 33	5.4	2
14	A Game Theoretic Based Biologically-Inspired Distributed Intelligent Flocking Control for Multi-UAV Systems with Network Imperfections 2018 ,		2
13	A Biologically-Inspired Distributed Intelligent Flocking Control for Networked Multi-UAS with Uncertain Network Imperfections 2018 ,		1
12	Intelligent Control for Unmanned Aerial Systems with System Uncertainties and Disturbances Using Artificial Neural Network. <i>Drones</i> , 2018 , 2, 30	5.4	20
11	Implementation of Brain Emotional Learning-Based Intelligent Controller for Flocking of Multi-Agent Systems. <i>IFAC-PapersOnLine</i> , 2017 , 50, 6934-6939	0.7	8

10	Brain emotional learning-based intelligent tracking control for Unmanned Aircraft Systems with uncertain system dynamics and disturbance 2017 ,	10
9	Near optimal control and network co-design for uncertain networked control system with constraints 2017 ,	3
8	Brain Emotional Learning-Based Intelligent Controller for flocking of Multi-Agent Systems 2017 ,	24
7	Deep reinforcement learning based optimal defense for cyber-physical system in presence of unknown cyber-attack 2017 ,	14
6	A biologically-inspired distributed resilient flocking control for multi-agent system with uncertain dynamics and unknown disturbances 2017 ,	3
5	A biologically-inspired intelligent controller for distributed velocity control of multiple electro-hydraulic servo-systems 2017 ,	3
4	Optimal self-triggered control and network co-design for networked multi-agent system via adaptive dynamic programming 2017 ,	2
3	Finite horizon optimal control and communication co-design for uncertain networked control system with transmit power constraint 2016 ,	1
2	Finite-Horizon Near-Optimal Output Feedback Neural Network Control of Quantized Nonlinear Discrete-Time Systems With Input Constraint. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 1776-88	10.3 35
1	Neural network-based finite-horizon optimal control of uncertain affine nonlinear discrete-time systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 486-99	10.3 54