Chaoxu Mu

List of Publications by Year
in descending order

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111 papers	4,075 citations	101384 36 h-index	118652 62 g-index
112 all docs	112 docs citations	112 times ranked	2780 citing authors

#	Article	IF	Citations
1	Hierarchical Multiagent Formation Control Scheme via Actor-Critic Learning. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 8764-8777.	7.2	10
2	Adaptive Neural Network Control of an Uncertain 2-DOF Helicopter With Unknown Backlash-Like Hysteresis and Output Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 10018-10027.	7.2	20
3	Data-Based Feedback Relearning Control for Uncertain Nonlinear Systems With Actuator Faults. IEEE Transactions on Cybernetics, 2023, 53, 4361-4374.	6.2	7
4	Dynamic Event-Triggering Neural Learning Control for Partially Unknown Nonlinear Systems. IEEE Transactions on Cybernetics, 2022, 52, 2200-2213.	6.2	50
5	Adaptive Neural-Network-Based Fault-Tolerant Control for a Flexible String With Composite Disturbance Observer and Input Constraints. IEEE Transactions on Cybernetics, 2022, 52, 12843-12853.	6.2	52
6	Adaptive Learning and Sampled-Control for Nonlinear Game Systems Using Dynamic Event-Triggering Strategy. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4437-4450.	7.2	37
7	Training-Free Deep Generative Networks for Compressed Sensing of Neural Action Potentials. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 5190-5199.	7.2	6
8	Model-Free Optimal Consensus Control for Multi-agent Systems Based on DHP Algorithm. Neural Processing Letters, 2022, 54, 501-521.	2.0	0
9	Data-based decentralized learning scheme for nonlinear systems with mismatched interconnections. Neurocomputing, 2022, 473, 127-137.	3.5	1
10	Asynchronous learning for actorâ€“critic neural networks and synchronous triggering for multiplayer system. ISA Transactions, 2022, 129, 295-308.	3.1	7
11	Learning-Based Cooperative Multiagent Formation Control With Collision Avoidance. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7341-7352.	5.9	14
12	Adaptive composite frequency control of power systems using reinforcement learning. CAAI Transactions on Intelligence Technology, 2022, 7, 671-684.	3.4	7
13	A Scalable Two-Layer Blockchain System for Distributed Multicloud Storage in IIoT. IEEE Transactions on Industrial Informatics, 2022, 18, 9173-9183.	7.2	9
14	Policy-Iteration-Based Learning for Nonlinear Player Game Systems With Constrained Inputs. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6488-6502.	5.9	23
15	Learning Control Supported by Dynamic Event Communication Applying to Industrial Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 2325-2335.	7.2	39
16	One Improved Sliding Mode DTC for Linear Induction Machines Based on Linear Metro. IEEE Transactions on Power Electronics, 2021, 36, 4560-4571.	5.4	30
17	Event-triggered design for discrete-time nonlinear systems with control constraints. Nonlinear Dynamics, 2021, 103, 2645-2657.	2.7	12
18	Learningâ€based control for discreteâ€time constrained nonzeroâ€sum games. CAAI Transactions on Intelligence Technology, 2021, 6, 203-213.	3.4	7

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19	Reactive Power Control of Autonomous Wind-Diesel Hybrid Power System via Online Actor-Critic Algorithm. , 2021, , .		1
20	Heuristic dynamic programming-based learning control for discrete-time disturbed multi-agent systems. Control Theory and Technology, 2021, 19, 339-353.	1.0	2
21	Neural network-based adaptive decentralized learning control for interconnected systems with input constraints. Control Theory and Technology, 2021, 19, 392-404.	1.0	0
22	An Enhanced Distributed Voltage Regulation Scheme for Radial Feeder in Islanded Microgrid. Energies, 2021, 14, 6092.	1.6	13
23	A multiple model framework based on time series clustering for shale gas well pressure prediction. Journal of Natural Gas Science and Engineering, 2021, 95, 104135.	2.1	1
24	Decentralized Zero-sum Games for Nonlinear Systems Based on Off-policy Learning Scheme. , 2021, , .		0
25	A Nearly Optimal Multi-agent Formation Control with Reinforcement Learning. , 2021, , .		0
26	An Optimal Control Scheme for Load Bus Voltage Regulation and Reactive Power-Sharing in an Islanded Microgrid. Energies, 2021, 14, 6490.	1.6	4
27	Short-term Solar Power Forecasting via a Hybrid Model Combined with PSR and SD. , 2021, , .		0
28	Impact of Impulsive load Scenario on Isolated Mini-Grid and its Neutralization with BESS. , 2021, , .		1
29	Cooperative Optimization Strategy for Distributed Energy Resource System using Multi-Agent Reinforcement Learning. , 2021, , .		1
30	ADP-Based Robust Tracking Control for a Class of Nonlinear Systems With Unmatched Uncertainties. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4056-4067.	5.9	48
31	Hierarchical Control of Series-Connected String Converter-Based Islanded Electrical Power System. IEEE Transactions on Power Electronics, 2020, 35, 359-372.	5.4	19
32	Learning-Based Robust Tracking Control of Quadrotor With Time-Varying and Coupling Uncertainties. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 259-273.	7.2	117
33	Energy-Storage-Based Intelligent Frequency Control of Microgrid With Stochastic Model Uncertainties. IEEE Transactions on Smart Grid, 2020, 11, 1748-1758.	6.2	66
34	Deep Actorâ€“Critic Learning-Based Robustness Enhancement of Internet of Things. IEEE Internet of Things Journal, 2020, 7, 6191-6200.	5.5	14
35	Hierarchical optimal control for input-affine nonlinear systems through the formulation of Stackelberg game. Information Sciences, 2020, 517, 1-17.	4.0	24
36	Optimal Model-Free Output Synchronization of Heterogeneous Multiagent Systems Under Switching Topologies. IEEE Transactions on Industrial Electronics, 2020, 67, 10951-10964.	5.2	31

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37	Cooperative Differential Game-Based Optimal Control and Its Application to Power Systems. IEEE Transactions on Industrial Informatics, 2020, 16, 5169-5179.	7.2	43
38	A Learning-Based Solution for an Adversarial Repeated Game in Cyberâ€“Physical Power Systems. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4512-4523.	7.2	26
39	Approximately Optimal Control of Discrete-Time Nonlinear Switched Systems Using Globalized Dual Heuristic Programming. Neural Processing Letters, 2020, 52, 1089-1108.	2.0	7
40	Cervical Cancer Cell Detection Based on Deep Convolutional Neural Network. , 2020, , .		11
41	A Real-Time Collision Prediction Mechanism With Deep Learning for Intelligent Transportation System. IEEE Transactions on Vehicular Technology, 2020, 69, 9497-9508.	3.9	53
42	Adaptive Speed Control of PMSM Drive System Based a New Sliding-Mode Reaching Law. IEEE Transactions on Power Electronics, 2020, 35, 12110-12121.	5.4	171
43	Data-Based H_{âˆž}Control for the Constrained-Input Nonlinear Systems and its Applications in Chaotic Circuit Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 2791-2802.	3.5	12
44	Event-Sampled Learning for Unknown Nonlinear Systems Related to Dynamic Triggering Method. , 2020, , .		2
45	ADP-Based Supplementary Design for Load Frequency Control of Power Systems. Studies in Systems, Decision and Control, 2019, , 281-304.	0.8	1
46	Observer-Based Online Adaptive Regulation for a Class of Uncertain Nonlinear Systems. Studies in Systems, Decision and Control, 2019, , 85-115.	0.8	0
47	Adaptive Tracking Control of Nonlinear Systems Subject to Matched Uncertainties. Studies in Systems, Decision and Control, 2019, , 117-144.	0.8	0
48	Intelligent Critic Control with Disturbance Attenuation for a Micro-Grid System. Studies in Systems, Decision and Control, 2019, , 257-280.	0.8	0
49	Robust Stabilization and Trajectory Tracking of General Uncertain Nonlinear Systems. Studies in Systems, Decision and Control, 2019, , 199-227.	0.8	0
50	Overview of Robust Adaptive Critic Control Design. Studies in Systems, Decision and Control, 2019, , 1-43.	0.8	0
51	An Improved Adaptive Optimal Regulation Framework with Robust Control Synthesis. Studies in Systems, Decision and Control, 2019, , 173-197.	0.8	0
52	Improved Nonlinear Flux Observer-Based Second-Order SOIFO for PMSM Sensorless Control. IEEE Transactions on Power Electronics, 2019, 34, 565-579.	5.4	162
53	An ADDHP-based Q-learning algorithm for optimal tracking control of linear discrete-time systems with unknown dynamics. Applied Soft Computing Journal, 2019, 82, 105593.	4.1	12
54	Optimal Output Feedback Control of Nonlinear Partially-Unknown Constrained-Input Systems Using Integral Reinforcement Learning. Neural Processing Letters, 2019, 50, 2963-2989.	2.0	8

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55	Aperiodic adaptive control for neural-network-based nonzero-sum differential games: A novel event-triggering strategy. ISA Transactions, 2019, 92, 1-13.	3.1	16
56	Q-learning solution for optimal consensus control of discrete-time multiagent systems using reinforcement learning. Journal of the Franklin Institute, 2019, 356, 6946-6967.	1.9	50
57	Nearly Optimal Consensus Control of Discrete Time Multiagent Systems with Time Delays. , 2019, , .		1
58	An Improved Third-Order Generalized Integral Flux Observer for Sensorless Drive of PMSMs. IEEE Transactions on Industrial Electronics, 2019, 66, 9149-9160.	5.2	54
59	Approximate-optimal control algorithm for constrained zero-sum differential games through event-triggering mechanism. Nonlinear Dynamics, 2019, 95, 2639-2657.	2.7	37
60	EEG-Based Spatioâ€“Temporal Convolutional Neural Network for Driver Fatigue Evaluation. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2755-2763.	7.2	272
61	Relative Wavelet Entropy Complex Network for Improving EEG-Based Fatigue Driving Classification. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 2491-2497.	2.4	58
62	Dynamic Behavior of Terminal Sliding Mode Control. IEEE Transactions on Industrial Electronics, 2018, 65, 3480-3490.	5.2	90
63	A Novel Multiplex Network-Based Sensor Information Fusion Model and Its Application to Industrial Multiphase Flow System. IEEE Transactions on Industrial Informatics, 2018, 14, 3982-3988.	7.2	70
64	On Mixed Data and Event Driven Design for Adaptive-Critic-Based Nonlinear H_{infty} Control. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 993-1005.	7.2	108
65	Decentralized adaptive optimal stabilization of nonlinear systems with matched interconnections. Soft Computing, 2018, 22, 2705-2715.	2.1	23
66	Adaptive-Critic-Based Robust Trajectory Tracking of Uncertain Dynamics and Its Application to a Springâ€“Massâ€“Damper System. IEEE Transactions on Industrial Electronics, 2018, 65, 654-663.	5.2	83
67	Improved Deadbeat Predictive Current Control Combined Sliding Mode Strategy for PMSM Drive System. IEEE Transactions on Vehicular Technology, 2018, 67, 251-263.	3.9	165
68	Singleâ€network ADP for near optimal control of continuousâ€time zeroâ€sum games without using initial stabilising control laws. IET Control Theory and Applications, 2018, 12, 2449-2458.	1.2	23
69	Improved Continuous Fast Terminal Sliding Mode Control for Speed Regulation of Surface-Mounted Permanent Magnet Synchronous Motor. , 2018, , .		10
70	Observer-Based Adaptive Control of Uncertain Nonlinear Systems Via Neural Networks. IEEE Access, 2018, 6, 42675-42686.	2.6	7
71	Hierarchically Adaptive Frequency Control for an EV-Integrated Smart Grid With Renewable Energy. IEEE Transactions on Industrial Informatics, 2018, 14, 4254-4263.	7.2	72
72	Neural Network Learning and Robust Stabilization of Nonlinear Systems With Dynamic Uncertainties. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1342-1351.	7.2	77

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73	An Approximate Control Algorithm for Zero-Sum Differential Games Using Adaptive Critic Technique. , 2018, , .		4
74	Air-Breathing Hypersonic Vehicle Tracking Control Based on Adaptive Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 584-598.	7.2	249
75	Data-Driven Tracking Control With Adaptive Dynamic Programming for a Class of Continuous-Time Nonlinear Systems. IEEE Transactions on Cybernetics, 2017, 47, 1460-1470.	6.2	147
76	Event-Driven Adaptive Robust Control of Nonlinear Systems With Uncertainties Through NDP Strategy. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1358-1370.	5.9	111
77	Event-Based Constrained Robust Control of Affine Systems Incorporating an Adaptive Critic Mechanism. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1602-1612.	5.9	40
78	Intelligent Critic Control With Disturbance Attenuation for Affine Dynamics Including an Application to a Microgrid System. IEEE Transactions on Industrial Electronics, 2017, 64, 4935-4944.	5.2	83
79	Developing nonlinear adaptive optimal regulators through an improved neural learning mechanism. Science China Information Sciences, 2017, 60, 1.	2.7	18
80	Novel iterative neural dynamic programming for data-based approximate optimal control design. Automatica, 2017, 81, 240-252.	3.0	147
81	Improved Sliding Mode Design for Load Frequency Control of Power System Integrated an Adaptive Learning Strategy. IEEE Transactions on Industrial Electronics, 2017, 64, 6742-6751.	5.2	172
82	Adaptive tracking control for a class of continuous-time uncertain nonlinear systems using the approximate solution of HJB equation. Neurocomputing, 2017, 260, 432-442.	3.5	32
83	Multistep model predictive control for permanent magnet synchronous machine. , 2017, , .		8
84	A novel neural optimal control framework with nonlinear dynamics: Closed-loop stability and simulation verification. Neurocomputing, 2017, 266, 353-360.	3.5	15
85	Neural-network-based adaptive guaranteed cost control of nonlinear dynamical systems with matched uncertainties. Neurocomputing, 2017, 245, 46-54.	3.5	35
86	Robust adaptive critic control design with network-based event-triggered formulation. Nonlinear Dynamics, 2017, 90, 2023-2035.	2.7	31
87	Neural network adaptive critic control with disturbance rejection. , 2017, , .		1
88	Adaptive critic designs for solving event-based H_{âˆž} control problems. , 2017, , .		3
89	Near-space aerospace vehicles attitude control based on adaptive dynamic programming and sliding mode control. , 2017, , .		5
90	Improved SOIFO-based rotor flux observer for PMSM sensorless control. , 2017, , .		17

#	Article	IF	Citations
91	Analysis for stepâ€size optimisation on MPPT algorithm for photovoltaic systems. IET Power Electronics, 2017, 10, 1647-1654.	1.5	33
92	Position/force control of a holonomic-constrained mobile manipulator based on active disturbance rejection control. , 2017, , .		0
93	Observer-Based Load Frequency Control for Island Microgrid with Photovoltaic Power. International Journal of Photoenergy, 2017, 2017, 1-11.	1.4	23
94	Robust Sliding Mode Speed Control with Adaptive Torque Observer for High Performance PMSM. , 2016, , .		5
95	Novel Composite Sliding Mode Control for PMSM Drive System Based on Disturbance Observer. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	77
96	Improved Model Predictive Current Control Strategy-Based Rotor Flux for Linear Induction Machines. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	20
97	SMES-Based Damping Controller Design Using Fuzzy-GrHDP Considering Transmission Delay. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-6.	1.1	17
98	Event-based input-constrained nonlinear Hâˆž state feedback with adaptive critic and neural implementation. Neurocomputing, 2016, 214, 848-856.	3.5	45
99	Improved Negative Sequence Current Detection and Control Strategy for H-Bridge Three-Level Active Power Filter. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	16
100	Iterative GDHP-based approximate optimal tracking control for a class of discrete-time nonlinear systems. Neurocomputing, 2016, 214, 775-784.	3.5	44
101	Observer-based sliding mode frequency control for micro-grid with photovoltaic energy integration. , 2016, , .		10
102	Decentralized guaranteed cost control of interconnected systems with uncertainties: A learning-based optimal control strategy. Neurocomputing, 2016, 214, 297-306.	3.5	48
103	Data-based robust optimal control of continuous-time affine nonlinear systems with matched uncertainties. Information Sciences, 2016, 366, 121-133.	4.0	58
104	On switching manifold design for terminal sliding mode control. Journal of the Franklin Institute, 2016, 353, 1553-1572.	1.9	64
105	Fast sliding mode control on air-breathing hypersonic vehicles with transient response analysis. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2016, 230, 23-34.	0.7	48
106	New two-axis model based field oriented control strategy for single-sided linear induction motors. , 2015, , .		0
107	Nonsingular terminal sliding mode control for speed regulation of permanent magnet synchronous motor with parameter uncertainties and torque change. , 2015, , .		7
108	Nonsingular terminal sliding mode control for the speed regulation of permanent magnet synchronous motor with parameter uncertainties. , 2015, , .		2

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109	Novel Linear Iteration Maximum Power Point Tracking Algorithm for Photovoltaic Power Generation. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-6.	1.1	12
110	New Hybrid Damping Strategy for Grid-Connected Photovoltaic Inverter With LCL Filter. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-8.	1.1	26
111	Super-twisting sliding mode control based on Lyapunov analysis for the cursing flight of hypersonic vehicles. , 2013, , .		5