

Adaptive Optimal Control of Unknown Constrained-Input and Neural Networks

IEEE Transactions on Neural Networks and Learning Systems
24, 1513-1525

DOI: [10.1109/tnnls.2013.2276571](https://doi.org/10.1109/tnnls.2013.2276571)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Online adaptation of controller parameters based on approximate dynamic programming. , 2014, , .		0
2	Policy iteration approximate dynamic programming using Volterra series based actor. , 2014, , .		3
3	ADP-based optimal control for a class of nonlinear discrete-time systems with inequality constraints. , 2014, , .		5
4	Biomimetic hybrid feedback feedforword adaptive neural control of robotic arms. , 2014, , .		7
5	Approximate optimal tracking control for continuous-time unknown nonlinear systems. , 2014, , .		9
6	Reinforcement learning-based optimal control considering L computation time delay of linear discrete-time systems. , 2014, , .		3
7	Policy Iteration Algorithm for Online Design of Robust Control for a Class of Continuous-Time Nonlinear Systems. IEEE Transactions on Automation Science and Engineering, 2014, 11, 627-632.	3.4	187
8	Policy Iteration Adaptive Dynamic Programming Algorithm for Discrete-Time Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 621-634.	7.2	547
9	Model-free optimal control design for a class of linear discrete-time systems with multiple delays using adaptive dynamic programming. Neurocomputing, 2014, 135, 163-170.	3.5	49
10	Neural-Network-Based Online HJB Solution for Optimal Robust Guaranteed Cost Control of Continuous-Time Uncertain Nonlinear Systems. IEEE Transactions on Cybernetics, 2014, 44, 2834-2847.	6.2	253
11	Data-driven optimal control with reduced output measurements. , 2014, , .		2
12	AF-DHNN: Fuzzy Clustering and Inference-Based Node Fault Diagnosis Method for Fire Detection. Sensors, 2015, 15, 17366-17396.	2.1	4
13	Nonlinear neuro-optimal tracking control via stable iterative Q-learning algorithm. Neurocomputing, 2015, 168, 520-528.	3.5	27
14	Model-free adaptive algorithm for optimal control of continuous-time nonlinear system. , 2015, , .		0
15	Error bound analysis of policy iteration based approximate dynamic programming for deterministic discrete-time nonlinear systems. , 2015, , .		2
16	Approximate optimal online continuous-time path-planner with static obstacle avoidance. , 2015, , .		7
17	Neural-network based online policy iteration for continuous-time infinite-horizon optimal control of nonlinear systems. , 2015, , .		1
18	A novel policy iteration based deterministic Q-learning for discrete-time nonlinear systems. Science China Information Sciences, 2015, 58, 1-15.	2.7	53

#	ARTICLE	IF	CITATIONS
19	Generalized Policy Iteration Adaptive Dynamic Programming for Discrete-Time Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 1577-1591.	5.9	109
20	A novel self-learning optimal control approach for decentralized guaranteed cost control of a class of complex nonlinear systems. , 2015, , .		1
21	Composite learning from model reference adaptive fuzzy control. , 2015, , .		6
22	Optimal control of nonlinear discrete time-varying systems using a new neural network approximation structure. Neurocomputing, 2015, 156, 157-165.	3.5	39
23	Approximate dynamic programming for two-player zero-sum game related to H^∞ control of unknown nonlinear continuous-time systems. International Journal of Control, Automation and Systems, 2015, 13, 99-109.	1.6	31
24	Infinite Horizon Self-Learning Optimal Control of Nonaffine Discrete-Time Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 866-879.	7.2	135
25	Integral Reinforcement Learning for Continuous-Time Input-Affine Nonlinear Systems With Simultaneous Invariant Explorations. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 916-932.	7.2	71
26	Reinforcement learning solution for HJB equation arising in constrained optimal control problem. Neural Networks, 2015, 71, 150-158.	3.3	97
27	Adaptive dynamic programming for infinite horizon optimal robust guaranteed cost control of a class of uncertain nonlinear systems. , 2015, , .		7
28	H_∞ Tracking Control of Completely Unknown Continuous-Time Systems via Off-Policy Reinforcement Learning. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 2550-2562.	7.2	384
29	Adaptive estimator design for unstable output error systems: A test problem and traditional system identification based analysis. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2015, 229, 902-916.	0.7	18
30	Data-Driven H_∞ Control for Nonlinear Distributed Parameter Systems. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 2949-2961.	7.2	93
31	Nearly optimal tracking control for continuous time nonlinear systems using a policy iteration based HJB approach. , 2015, , .		0
32	Adaptive Neural Control of Nonlinear MIMO Systems With Time-Varying Output Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1074-1085.	7.2	147
33	Actor-Critic-Based Optimal Tracking for Partially Unknown Nonlinear Discrete-Time Systems. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 140-151.	7.2	251
34	Adaptive control of variable-speed wind energy conversion systems with inaccurate wind speed measurement. Transactions of the Institute of Measurement and Control, 2015, 37, 63-72.	1.1	15
35	Model-Based Reinforcement Learning for Approximate Optimal Regulation. , 2016, , 247-273.		7
36	Optimal Tracking Control of Uncertain Systems. , 2016, , 165-186.		6

#	ARTICLE	IF	CITATIONS
37	Design and Comparison Base Analysis of Adaptive Estimator for Completely Unknown Linear Systems in the Presence of OE Noise and Constant Input Time Delay. <i>Asian Journal of Control</i> , 2016, 18, 1020-1029.	1.9	34
38	Discrete-time optimal control scheme based on Q-learning algorithm. , 2016, , .		0
39	Iterative Q-learning-based nonlinear optimal tracking control. , 2016, , .		1
40	Adaptive-critic-based event-driven nonlinear robust state feedback. , 2016, , .		6
41	Online policy iterations for optimal control of input-saturated systems. , 2016, , .		2
42	Adaptive fault-tolerant control for affine nonlinear systems based on approximate dynamic programming. <i>IET Control Theory and Applications</i> , 2016, 10, 655-663.	1.2	44
43	Globally optimal distributed cooperative control for general linear multi-agent systems. <i>Neurocomputing</i> , 2016, 203, 12-21.	3.5	27
44	Data-based robust adaptive control for a class of unknown nonlinear constrained-input systems via integral reinforcement learning. <i>Information Sciences</i> , 2016, 369, 731-747.	4.0	70
45	Observer design for systems with unknown inputs and missing measurements. , 2016, , .		0
46	Policy iteration for optimal switching with continuous-time dynamics. , 2016, , .		3
47	Adaptive optimal tracking control of unknown nonlinear systems using system augmentation. , 2016, , .		5
48	Self-learning optimal guaranteed cost control of input-affine continuous-time nonlinear systems under uncertain environment. , 2016, , .		0
49	Adaptive dynamic programming based fault compensation control for nonlinear systems with actuator failures. , 2016, , .		1
50	Adaptive impedance control of robotic exoskeletons using reinforcement learning. , 2016, , .		9
51	Smooth Neuroadaptive PI Tracking Control of Nonlinear Systems With Unknown and Nonsmooth Actuation Characteristics. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016, 28, 1-13.	7.2	37
52	Decentralized guaranteed cost control of interconnected systems with uncertainties: A learning-based optimal control strategy. <i>Neurocomputing</i> , 2016, 214, 297-306.	3.5	48
53	Locally supervised neural networks for approximating terramechanics models. <i>Mechanical Systems and Signal Processing</i> , 2016, 75, 57-74.	4.4	8
54	A laguerre neural network-based ADP learning scheme with its application to tracking control in the Internet of Things. <i>Personal and Ubiquitous Computing</i> , 2016, 20, 361-372.	1.9	46

#	ARTICLE	IF	CITATIONS
55	Adaptive Neural Control of a Class of Output-Constrained Nonaffine Systems. IEEE Transactions on Cybernetics, 2016, 46, 85-95.	6.2	147
56	Experience Replay for Optimal Control of Nonzero-Sum Game Systems With Unknown Dynamics. IEEE Transactions on Cybernetics, 2016, 46, 854-865.	6.2	184
57	Model-based reinforcement learning for approximate optimal regulation. Automatica, 2016, 64, 94-104.	3.0	158
58	Policy Search for the Optimal Control of Markov Decision Processes: A Novel Particle-Based Iterative Scheme. IEEE Transactions on Cybernetics, 2016, 46, 2643-2655.	6.2	13
59	Optimal tracking control for completely unknown nonlinear discrete-time Markov jump systems using data-based reinforcement learning method. Neurocomputing, 2016, 194, 176-182.	3.5	34
60	Online finite-horizon optimal learning algorithm for nonzero-sum games with partially unknown dynamics and constrained inputs. Neurocomputing, 2016, 185, 37-44.	3.5	37
61	Data-Based Adaptive Critic Designs for Nonlinear Robust Optimal Control With Uncertain Dynamics. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 1544-1555.	5.9	180
62	Data-driven controller design for general MIMO nonlinear systems via virtual reference feedback tuning and neural networks. Neurocomputing, 2016, 171, 815-825.	3.5	66
63	Near-Optimal Controller for Nonlinear Continuous-Time Systems With Unknown Dynamics Using Policy Iteration. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1537-1549.	7.2	21
64	Asymptotically Stable Adaptive Optimal Control Algorithm With Saturating Actuators and Relaxed Persistence of Excitation. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2386-2398.	7.2	127
65	Online approximate solution of HJI equation for unknown constrained-input nonlinear continuous-time systems. Information Sciences, 2016, 328, 435-454.	4.0	58
66	Adaptive Actor-Critic Design-Based Integral Sliding-Mode Control for Partially Unknown Nonlinear Systems With Input Disturbances. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 165-177.	7.2	173
67	Online adaptive optimal control for continuous-time nonlinear systems with completely unknown dynamics. International Journal of Control, 2016, 89, 99-112.	1.2	106
68	Online Supplementary ADP Learning Controller Design and Application to Power System Frequency Control With Large-Scale Wind Energy Integration. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1748-1761.	7.2	60
69	Approximate guaranteed cost fault-tolerant control of unknown nonlinear systems with time-varying actuator faults. Nonlinear Dynamics, 2016, 83, 269-282.	2.7	23
70	ADP-based optimal sensor scheduling for target tracking in energy harvesting wireless sensor networks. Neural Computing and Applications, 2016, 27, 1543-1551.	3.2	16
71	Optimized Assistive Human-Robot Interaction Using Reinforcement Learning. IEEE Transactions on Cybernetics, 2016, 46, 655-667.	6.2	151
72	Reinforcement learning and neural networks for multi-agent nonzero-sum games of nonlinear constrained-input systems. International Journal of Machine Learning and Cybernetics, 2016, 7, 967-980.	2.3	36

#	ARTICLE	IF	CITATIONS
73	LQR-Based Optimal Distributed Cooperative Design for Linear Discrete-Time Multiagent Systems. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 599-611.	7.2	65
74	Diagonal recurrent neural networks for parameters identification of terrain based on wheel-soil interaction analysis. Neural Computing and Applications, 2017, 28, 797-804.	3.2	8
75	Neural-Learning-Based Telerobot Control With Guaranteed Performance. IEEE Transactions on Cybernetics, 2017, 47, 3148-3159.	6.2	259
76	Off-policy neuro-optimal control for unknown complex-valued nonlinear systems based on policy iteration. Neural Computing and Applications, 2017, 28, 1435-1441.	3.2	2
77	Iterative Adaptive Dynamic Programming for Solving Unknown Nonlinear Zero-Sum Game Based on Online Data. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 714-725.	7.2	95
78	Event-Triggered H_∞ Control for Continuous-Time Nonlinear System via Concurrent Learning. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1071-1081.	5.9	182
79	Active Complementary Control for Affine Nonlinear Control Systems With Actuator Faults. IEEE Transactions on Cybernetics, 2017, 47, 3542-3553.	6.2	32
80	Discrete-Time Deterministic Q-Learning: A Novel Convergence Analysis. IEEE Transactions on Cybernetics, 2017, 47, 1224-1237.	6.2	159
81	Data-Driven Optimal Consensus Control for Discrete-Time Multi-Agent Systems With Unknown Dynamics Using Reinforcement Learning Method. IEEE Transactions on Industrial Electronics, 2017, 64, 4091-4100.	5.2	289
82	Biomimetic Hybrid Feedback Feedforward Neural-Network Learning Control. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1481-1487.	7.2	106
83	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
84	Overview of Adaptive Dynamic Programming. Advances in Industrial Control, 2017, , 1-33.	0.4	3
85	Policy Iteration for Optimal Control of Discrete-Time Nonlinear Systems. Advances in Industrial Control, 2017, , 151-175.	0.4	0
86	Robust and Optimal Guaranteed Cost Control of Continuous-Time Nonlinear Systems. Advances in Industrial Control, 2017, , 345-386.	0.4	0
87	Neural-network-based control scheme for a class of nonlinear systems with actuator faults via data-driven reinforcement learning method. Neurocomputing, 2017, 239, 1-8.	3.5	25
88	Adaptive optimal control of unknown nonlinear systems with different time scales. Neurocomputing, 2017, 238, 179-190.	3.5	11
89	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
90	Discrete-Time Local Value Iteration Adaptive Dynamic Programming: Admissibility and Termination Analysis. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2490-2502.	7.2	32

#	ARTICLE	IF	CITATIONS
91	Multi-step heuristic dynamic programming for optimal control of nonlinear discrete-time systems. Information Sciences, 2017, 411, 66-83.	4.0	34
93	Neural network-based adaptive fault tolerant consensus control for a class of high order multiagent systems with input quantization and time-varying parameters. Neurocomputing, 2017, 266, 315-324.	3.5	36
94	Policy Approximation in Policy Iteration Approximate Dynamic Programming for Discrete-Time Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2017, 29, 1-14.	7.2	23
95	Adaptive neural control for high order Markovian jump nonlinear systems with unmodeled dynamics and dead zone inputs. Neurocomputing, 2017, 247, 62-72.	3.5	38
96	Observer based adaptive dynamic programming for fault tolerant control of a class of nonlinear systems. Information Sciences, 2017, 384, 21-33.	4.0	83
97	Adaptive dynamic programming for robust neural control of unknown continuous-time nonlinear systems. IET Control Theory and Applications, 2017, 11, 2307-2316.	1.2	40
98	Composite learning from adaptive backstepping neural network control. Neural Networks, 2017, 95, 134-142.	3.3	97
99	Adaptive near-optimal neuro controller for continuous-time nonaffine nonlinear systems with constrained input. Neural Networks, 2017, 93, 195-204.	3.3	18
100	Distributed optimal synchronization control of linear networked systems under unknown dynamics. , 2017, , .		8
101	Adaptive Critic Nonlinear Robust Control: A Survey. IEEE Transactions on Cybernetics, 2017, 47, 3429-3451.	6.2	287
102	Off-Policy Integral Reinforcement Learning Method to Solve Nonlinear Continuous-Time Multiplayer Nonzero-Sum Games. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 704-713.	7.2	168
103	Discrete-Time Nonzero-Sum Games for Multiplayer Using Policy-Iteration-Based Adaptive Dynamic Programming Algorithms. IEEE Transactions on Cybernetics, 2017, 47, 3331-3340.	6.2	94
104	Adaptive nearly optimal control for a class of continuous-time nonaffine nonlinear systems with inequality constraints. ISA Transactions, 2017, 66, 122-133.	3.1	21
105	Nonlinear optimal control for active suppression of airfoil flutter via a novel neural-network-based controller. , 2017, , .		1
106	Adaptive optimal tracking control for a class of nonlinear systems with fully unknown parameters. , 2017, , .		1
107	Data-Driven Adaptive LQR for Completely Unknown LTI Systems * *This work was supported in part by the Department of Science and Technology, India under grant SB/FTP/ETA-171/2013.. IFAC-PapersOnLine, 2017, 50, 4156-4161.	0.5	10
108	Finding a near-optimal neural-adaptive control solution without increasing the training time. , 2017, , .		1
109	Policy iteration-based indirect adaptive optimal control for completely unknown continuous-time LTI systems. , 2017, , .		7

#	ARTICLE	IF	CITATIONS
110	Containment control of heterogeneous systems with active leaders of bounded unknown control using reinforcement learning. , 2017, , .		3
112	Adaptive optimal tracking control for continuous-time systems using identifier-critic based dynamic programming. , 2017, , .		3
113	Data-Driven Flotation Industrial Process Operational Optimal Control Based on Reinforcement Learning. IEEE Transactions on Industrial Informatics, 2018, 14, 1974-1989.	7.2	112
114	Neural robust stabilization via event-triggering mechanism and adaptive learning technique. Neural Networks, 2018, 102, 27-35.	3.3	37
115	Sub-optimal scheduling in switched systems with continuous-time dynamics: A gradient descent approach. Neurocomputing, 2018, 285, 10-22.	3.5	11
116	Direct Adaptive Optimal Control for Uncertain Continuous-Time LTI Systems Without Persistence of Excitation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1993-1997.	2.2	24
117	Adaptive nonlinear optimal control for active suppression of airfoil flutter via a novel neural-network-based controller. JVC/Journal of Vibration and Control, 2018, 24, 5261-5272.	1.5	12
118	Torque sensorless decentralized neuro-optimal control for modular and reconfigurable robots with uncertain environments. Neurocomputing, 2018, 282, 60-73.	3.5	21
119	Optimized Backstepping for Tracking Control of Strict-Feedback Systems. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3850-3862.	7.2	135
120	Actor-Critic Off-Policy Learning for Optimal Control of Multiple-Model Discrete-Time Systems. IEEE Transactions on Cybernetics, 2018, 48, 29-40.	6.2	44
121	Nonlinear adaptive control system design with asymptotically stable parameter estimation error. International Journal of Control, 2018, 91, 181-203.	1.2	5
122	Quantization-Based Adaptive Actor-Critic Tracking Control With Tracking Error Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 970-980.	7.2	42
123	Comprehensive comparison of online ADP algorithms for continuous-time optimal control. Artificial Intelligence Review, 2018, 49, 531-547.	9.7	66
124	Adaptive Fuzzy Neural Network Control for a Constrained Robot Using Impedance Learning. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1174-1186.	7.2	514
125	Adaptive Dynamic Programming for Discrete-Time Zero-Sum Games. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 957-969.	7.2	123
126	On Mixed Data and Event Driven Design for Adaptive-Critic-Based Nonlinear H_{∞} Control. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 993-1005.	7.2	108
127	Discrete-Time Stable Generalized Self-Learning Optimal Control With Approximation Errors. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1226-1238.	7.2	39
128	Decentralized adaptive optimal stabilization of nonlinear systems with matched interconnections. Soft Computing, 2018, 22, 2705-2715.	2.1	23

#	ARTICLE	IF	CITATIONS
129	Semi-active adaptive optimal control of vehicle suspension with a magnetorheological damper based on policy iteration. Journal of Intelligent Material Systems and Structures, 2018, 29, 255-264.	1.4	14
130	Adaptive Near-Optimal Control of Uncertain Systems With Application to Underactuated Surface Vessels. IEEE Transactions on Control Systems Technology, 2018, 26, 1204-1218.	3.2	54
131	Robust control scheme for a class of uncertain nonlinear systems with completely unknown dynamics using data-driven reinforcement learning method. Neurocomputing, 2018, 273, 68-77.	3.5	21
132	Suboptimal Scheduling in Switched Systems With Continuous-Time Dynamics: A Least Squares Approach. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2167-2178.	7.2	15
133	Memory-Efficient Filter-Based Approximate Optimal Regulation of Unknown LTI Systems Using Initial Excitation. , 2018, , .		9
134	Machine learning based-distributed optimal control algorithm for multiple nonlinear agents with input constraints. , 2018, , .		1
135	Memory-Efficient Filter Based Novel Policy Iteration Technique for Adaptive LQR. , 2018, , .		5
136	Adaptive Critic Optimal Fuzzy Control for Quarter-Car Suspension Systems. , 2018, , .		2
137	Decentralized reliable guaranteed cost control for large-scale nonlinear systems using actor-critic network. Neurocomputing, 2018, 320, 121-128.	3.5	17
138	Policy iteration based robust co-design for nonlinear control systems with state constraints. Information Sciences, 2018, 467, 256-270.	4.0	11
139	Online adaptive policy iteration based fault-tolerant control algorithm for continuous-time nonlinear tracking systems with actuator failures. Journal of the Franklin Institute, 2018, 355, 6947-6968.	1.9	16
140	Online Approximate Optimal Station Keeping of a Marine Craft in the Presence of an Irrotational Current. IEEE Transactions on Robotics, 2018, 34, 486-496.	7.3	22
141	Approximate Dynamic Programming. Communications and Control Engineering, 2018, , 17-42.	1.0	0
142	Model-Based Reinforcement Learning for Approximate Optimal Control. Communications and Control Engineering, 2018, , 99-148.	1.0	3
143	Adaptive dynamic programming-based stabilization of nonlinear systems with unknown actuator saturation. Nonlinear Dynamics, 2018, 93, 2089-2103.	2.7	34
144	An Adaptive Passive Fault Tolerant Control System for a Steam Turbine Using a PCA Based Inverse Neural Network Control Strategy. , 2018, , .		14
145	Adaptive $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle H \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle \hat{z} \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle$ Tracking Control of Nonlinear Systems Using Reinforcement Learning. , 2018, , 313-333.		15
146	Learning-Based Adaptive Attitude Control of Spacecraft Formation With Guaranteed Prescribed Performance. IEEE Transactions on Cybernetics, 2019, 49, 4004-4016.	6.2	129

#	ARTICLE	IF	CITATIONS
147	Dual-Rate Operational Optimal Control for Flotation Industrial Process With Unknown Operational Model. IEEE Transactions on Industrial Electronics, 2019, 66, 4587-4599.	5.2	68
148	Adaptive Tracking Control of Surface Vessel Using Optimized Backstepping Technique. IEEE Transactions on Cybernetics, 2019, 49, 3420-3431.	6.2	138
149	Robust Optimal Control of Nonlinear Systems with Matched Uncertainties. Studies in Systems, Decision and Control, 2019, , 45-84.	0.8	0
150	Observer-Based Online Adaptive Regulation for a Class of Uncertain Nonlinear Systems. Studies in Systems, Decision and Control, 2019, , 85-115.	0.8	0
151	Event-Triggered Robust Stabilization Incorporating an Adaptive Critic Mechanism. Studies in Systems, Decision and Control, 2019, , 145-172.	0.8	0
152	Overview of Robust Adaptive Critic Control Design. Studies in Systems, Decision and Control, 2019, , 1-43.	0.8	0
153	Initial Excitation-Based Iterative Algorithm for Approximate Optimal Control of Completely Unknown LTI Systems. IEEE Transactions on Automatic Control, 2019, 64, 5230-5237.	3.6	30
154	Data-driven-based attitude control of combined spacecraft with noncooperative target. International Journal of Robust and Nonlinear Control, 2019, 29, 5801-5819.	2.1	6
155	Neurodynamic programming and tracking control scheme of constrained-input systems via a novel event-triggered PI algorithm. Applied Soft Computing Journal, 2019, 83, 105629.	4.1	13
156	Reliable control of cyber-physical systems under sensor and actuator attacks: An identifier-critic based integral sliding-mode control approach. Neurocomputing, 2019, 361, 229-242.	3.5	20
157	Hardware-in-the-Loop Iterative Optimal Feedback Control Without Model-Based Future Prediction. IEEE Transactions on Robotics, 2019, 35, 1419-1434.	7.3	8
158	A New Gain Choice for Optimal Control Using Bolza-Meyer Criterion for Improve Performance System. , 2019, , .		0
159	Broad Fuzzy Neural Control Using Impedance Learning. , 2019, , .		4
160	Optimized Adaptive Nonlinear Tracking Control Using Actor-Critic Reinforcement Learning Strategy. IEEE Transactions on Industrial Informatics, 2019, 15, 4969-4977.	7.2	104
161	Neural-network-based output-feedback control with stochastic communication protocols. Automatica, 2019, 106, 221-229.	3.0	77
162	A data-driven method for optimal control of ship motions for safe crew transfer to offshore wind turbines. Applied Ocean Research, 2019, 90, 101847.	1.8	2
163	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
164	An adaptive learning and control architecture for mitigating sensor and actuator attacks in connected autonomous vehicle platoons. International Journal of Adaptive Control and Signal Processing, 2019, 33, 1788-1802.	2.3	21

#	ARTICLE	IF	CITATIONS
165	Observer-based adaptive neural optimal control for discrete-time systems in nonstrict-feedback form. <i>Neurocomputing</i> , 2019, 350, 170-180.	3.5	4
166	Reinforcement Learning and Deep Learning Based Lateral Control for Autonomous Driving [Application Notes]. <i>IEEE Computational Intelligence Magazine</i> , 2019, 14, 83-98.	3.4	100
167	Data-Driven Robust Control of Discrete-Time Uncertain Linear Systems via Off-Policy Reinforcement Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019, 30, 3735-3747.	7.2	63
168	Event-trigger-based robust control for nonlinear constrained-input systems using reinforcement learning method. <i>Neurocomputing</i> , 2019, 340, 158-170.	3.5	41
169	Non-affine parameter dependent LPV model and LMI based adaptive control for turbofan engines. <i>Chinese Journal of Aeronautics</i> , 2019, 32, 585-594.	2.8	19
170	New hybrid optimal controller applied to a vibration control system subjected to severe disturbances. <i>Mechanical Systems and Signal Processing</i> , 2019, 124, 408-423.	4.4	18
171	Optimal Control for Robotic Manipulators With Input Saturation Using Single Critic Network. , 2019, , .		2
172	Optimal distributed learning for disturbance rejection in networked nonlinear games under unknown dynamics. <i>IET Control Theory and Applications</i> , 2019, 13, 2838-2848.	1.2	18
173	Safe Intermittent Reinforcement Learning for Nonlinear Systems. , 2019, , .		5
174	Filter based Explorized Policy Iteration Algorithm for On-Policy Approximate LQR. , 2019, , .		0
175	Decentralized Adaptive Optimal Tracking Control for Massive Multi-Agent Systems with Input Constraint. , 2019, , .		3
176	A Novel Adaptive Gain of Optimal Sliding Mode Controller for Linear Time-Varying Systems. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 5050.	1.3	5
177	Model-based reinforcement learning for output-feedback optimal control of a class of nonlinear systems. , 2019, , .		3
178	Data-Driven Approximated Optimal Control for Chemical Processes with State and Input Constraints. <i>Complexity</i> , 2019, 2019, 1-11.	0.9	0
179	Safety-Aware Reinforcement Learning Framework with an Actor-Critic-Barrier Structure. , 2019, , .		28
180	Operational Control of Mineral Grinding Processes Using Adaptive Dynamic Programming and Reference Governor. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 2210-2221.	7.2	42
181	Predictive Learning via Lookahead Simulation. , 2019, , .		2
182	Online H_∞ control for completely unknown nonlinear systems via an identifier-critic-based ADP structure. <i>International Journal of Control</i> , 2019, 92, 100-111.	1.2	35

#	ARTICLE	IF	CITATIONS
183	Adaptive Critic Designs for Event-Triggered Robust Control of Nonlinear Systems With Unknown Dynamics. IEEE Transactions on Cybernetics, 2019, 49, 2255-2267.	6.2	118
184	Decentralized robust optimal control for modular robot manipulators via critic-identifier structure-based adaptive dynamic programming. Neural Computing and Applications, 2020, 32, 3441-3458.	3.2	18
185	Adaptive linear quadratic regulator for continuous-time systems with uncertain dynamics. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 833-841.	8.5	5
186	Discrete-Time Impulsive Adaptive Dynamic Programming. IEEE Transactions on Cybernetics, 2020, 50, 4293-4306.	6.2	73
187	Adaptive Optimal Control for a Class of Nonlinear Systems: The Online Policy Iteration Approach. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 549-558.	7.2	128
188	Adaptive optimal tracking control for nonlinear continuous-time systems with time delay using value iteration algorithm. Neurocomputing, 2020, 396, 172-178.	3.5	16
189	Adaptive Critic Learning and Experience Replay for Decentralized Event-Triggered Control of Nonlinear Interconnected Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4043-4055.	5.9	58
190	Event-Triggered Optimal Control With Performance Guarantees Using Adaptive Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 76-88.	7.2	125
191	Robust Optimal Control Scheme for Unknown Constrained-Input Nonlinear Systems via a Plug-n-Play Event-Sampled Critic-Only Algorithm. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3169-3180.	5.9	70
192	Event-Triggered Adaptive Dynamic Programming for Zero-Sum Game of Partially Unknown Continuous-Time Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3189-3199.	5.9	90
193	Distributed H_{∞} Optimal Tracking Control for Strict-Feedback Nonlinear Large-Scale Systems With Disturbances and Saturating Actuators. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4719-4731.	5.9	37
194	Robust Policy Learning Control of Nonlinear Plants With Case Studies for a Power System Application. IEEE Transactions on Industrial Informatics, 2020, 16, 1733-1741.	7.2	32
195	Adaptive Reinforcement Learning Neural Network Control for Uncertain Nonlinear System With Input Saturation. IEEE Transactions on Cybernetics, 2020, 50, 3433-3443.	6.2	159
196	Event-Driven Guaranteed Cost Control Design for Nonlinear Systems With Actuator Faults via Reinforcement Learning Algorithm. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4135-4150.	5.9	82
197	Robust composite adaptive neural network control for air management system of PEM fuel cell based on high-gain observer. Neural Computing and Applications, 2020, 32, 10229-10243.	3.2	19
198	Reinforcement Learning-Based Optimal Stabilization for Unknown Nonlinear Systems Subject to Inputs With Uncertain Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4330-4340.	7.2	100
199	Multigradient recursive reinforcement learning NN control for affine nonlinear systems with unmodeled dynamics. International Journal of Robust and Nonlinear Control, 2020, 30, 1643-1663.	2.1	19
200	Online barrier-actor-critic learning for H_{∞} control with full-state constraints and input saturation. Journal of the Franklin Institute, 2020, 357, 3316-3344.	1.9	67

#	ARTICLE	IF	CITATIONS
201	Neural critic learning toward robust dynamic stabilization. International Journal of Robust and Nonlinear Control, 2020, 30, 2020-2032.	2.1	12
202	Online Dual-Network-Based Adaptive Dynamic Programming for Solving Partially Unknown Multi-Player Non-Zero-Sum Games With Control Constraints. IEEE Access, 2020, 8, 182295-182306.	2.6	9
203	Internal reinforcement adaptive dynamic programming for optimal containment control of unknown continuous-time multi-agent systems. Neurocomputing, 2020, 413, 85-95.	3.5	7
204	Adaptive Identifier-Critic-Based Optimal Tracking Control for Nonlinear Systems With Experimental Validation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 459-472.	5.9	56
205	Optimal Tracking Control for Uncertain Nonlinear Systems With Prescribed Performance via Critic-Only ADP. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 561-573.	5.9	37
206	Simplified Optimized Backstepping Control for a Class of Nonlinear Strict-Feedback Systems With Unknown Dynamic Functions. IEEE Transactions on Cybernetics, 2021, 51, 4567-4580.	6.2	114
207	AFRL: Adaptive federated reinforcement learning for intelligent jamming defense in FANET. Journal of Communications and Networks, 2020, 22, 244-258.	1.8	74
208	Continuous-Time Safe Learning with Temporal Logic Constraints in Adversarial Environments. , 2020, , .		10
209	Optimal Control of Iron-Removal Systems Based on Off-Policy Reinforcement Learning. IEEE Access, 2020, 8, 149730-149740.	2.6	5
210	Seismic motion control of structures using an adaptive optimal model-free controller. JVC/Journal of Vibration and Control, 2020, , 107754632096057.	1.5	2
211	Optimal Leader-Follower Consensus for Constrained-Input Multiagent Systems With Completely Unknown Dynamics. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1182-1191.	5.9	20
212	An Experience Replay Based Adaptive Disturbance Observer for a Class of Nonlinear Systems. , 2020, , .		2
213	A Safety-Certified Policy Iteration Algorithm for Control of Constrained Nonlinear Systems. , 2020, 4, 686-691.		7
214	Learning-based switched reliable control of cyber-physical systems with intermittent communication faults. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 711-724.	8.5	7
215	An Implicit Function-Based Adaptive Control Scheme for Noncanonical-Form Discrete-Time Neural-Network Systems. IEEE Transactions on Cybernetics, 2021, 51, 5728-5739.	6.2	2
216	Neural-Networks Control for Hover to High-Speed-Level-Flight Transition of Ducted Fan UAV With Provable Stability. IEEE Access, 2020, 8, 100135-100151.	2.6	17
217	Optimal neuro-control strategy for nonlinear systems with asymmetric input constraints. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 575-583.	8.5	32
218	Safe reinforcement learning for dynamical games. International Journal of Robust and Nonlinear Control, 2020, 30, 3706-3726.	2.1	64

#	ARTICLE	IF	CITATIONS
219	A New Optimal Control with Adjustable Gains for Nonlinear Systems. , 2020, , .		0
220	A new optimal sliding mode controller with adjustable gains based on Bolza-Meyer criterion for vibration control. Journal of Sound and Vibration, 2020, 485, 115542.	2.1	10
221	Near-optimal neural-network robot control with adaptive gravity compensation. Neurocomputing, 2020, 389, 83-92.	3.5	10
222	Safe Intermittent Reinforcement Learning With Static and Dynamic Event Generators. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 5441-5455.	7.2	56
223	Two-Level Game-Based Distributed Optimal Fault-Tolerant Control for Nonlinear Interconnected Systems. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4892-4906.	7.2	23
224	Safe Approximate Dynamic Programming via Kernelized Lipschitz Estimation. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 405-419.	7.2	12
225	Droop-Free Optimal Feedback Control of Distributed Generators in Islanded DC Microgrids. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 1624-1637.	3.7	6
226	A neural network approach for improving airfoil active flutter suppression under control-input constraints. JVC/Journal of Vibration and Control, 2021, 27, 451-467.	1.5	3
227	Memory-Augmented System Identification With Finite-Time Convergence. , 2021, 5, 571-576.		22
228	Decentralized Optimal Stabilization of Active Loads in Islanded Microgrids. IEEE Transactions on Smart Grid, 2021, 12, 932-942.	6.2	7
229	Adaptive NN control for nonlinear systems with uncertainty based on dynamic surface control. Neurocomputing, 2021, 421, 161-172.	3.5	28
230	Reinforcement Learning-Based Minimum Energy Position Control of Dielectric Elastomer Actuators. IEEE Transactions on Control Systems Technology, 2021, 29, 1674-1688.	3.2	8
231	Output Tracking of Uncertain Nonminimum Phase Systems by Experience Replay. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3159-3167.	5.9	1
232	Modified value-function-approximation for synchronous policy iteration with single-critic configuration for nonlinear optimal control. International Journal of Control, 2021, 94, 1321-1333.	1.2	5
233	Approximate Dynamic Programming for Nonlinear-Constrained Optimizations. IEEE Transactions on Cybernetics, 2021, 51, 2419-2432.	6.2	46
234	Model-Free Policy Iteration for Discrete-Time Linear Quadratic Regulation. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 635-649.	7.2	65
235	Adaptive Dynamic Programming for Control: A Survey and Recent Advances. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 142-160.	5.9	280
236	Hamiltonian-Driven Adaptive Dynamic Programming With Approximation Errors. IEEE Transactions on Cybernetics, 2022, 52, 13762-13773.	6.2	51

#	ARTICLE	IF	CITATIONS
237	Mixed Density Methods for Approximate Dynamic Programming. <i>Studies in Systems, Decision and Control</i> , 2021, , 139-172.	0.8	1
238	An Integrated Reinforcement Learning and Centralized Programming Approach for Online Taxi Dispatching. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 4742-4756.	7.2	21
239	Optimized Backstepping Consensus Control Using Reinforcement Learning for a Class of Nonlinear Strict-Feedback-Dynamic Multi-Agent Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2023, 34, 1524-1536.	7.2	27
240	Adaptive Critics for Decentralized Stabilization of Constrained-Input Nonlinear Interconnected Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 4187-4199.	5.9	25
241	Robust tracking control of quadrotor via onâ€policy adaptive dynamic programming. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 2509-2525.	2.1	21
242	Learningâ€based control for discreteâ€time constrained nonzeroâ€sum games. <i>CAAI Transactions on Intelligence Technology</i> , 2021, 6, 203-213.	3.4	7
243	Observer-based adaptive control of robot manipulators using reinforcement learning and the Fourier series expansion. <i>Transactions of the Institute of Measurement and Control</i> , 2021, 43, 2307-2320.	1.1	10
244	Learning-based adaptive fault tolerant control for hypersonic flight vehicles with abrupt actuator faults and finite time prescribed tracking performance. <i>European Journal of Control</i> , 2021, 58, 17-26.	1.6	14
245	Simultaneous identification and optimal tracking control of unknown continuous-time systems with actuator constraints. <i>International Journal of Control</i> , 2022, 95, 2005-2023.	1.2	8
246	A neuro-observer-based optimal control for nonaffine nonlinear systems with control input saturations. <i>Control Theory and Technology</i> , 2021, 19, 283-294.	1.0	3
247	Neural-Network-Based Control for Discrete-Time Nonlinear Systems with Input Saturation Under Stochastic Communication Protocol. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021, 8, 766-778.	8.5	58
248	Barrier-certified Learning-based Control of Systems with Uncertain Safe Set. , 2021, , .		1
249	A Safety Aware Model-Based Reinforcement Learning Framework for Systems with Uncertainties. , 2021, , .		7
250	A novel optimal control design for unknown nonlinear systems based on adaptive dynamic programming and nonlinear model predictive control. <i>Asian Journal of Control</i> , 2022, 24, 1638-1649.	1.9	7
251	Intelligent optimal tracking with asymmetric constraints of a nonlinear wastewater treatment system. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 6773-6787.	2.1	32
252	Reinforcement Learning Based Hierarchical Multi-Agent Robotic Search Team in Uncertain Environment. <i>Mehran University Research Journal of Engineering and Technology</i> , 2021, 40, 645-662.	0.3	1
253	Online optimal learning algorithm for Stackelberg games with partially unknown dynamics and constrained inputs. <i>Neurocomputing</i> , 2021, 445, 1-11.	3.5	7
254	Discounted nearâ€optimal regulation of constrained nonlinear systems via generalized value iteration. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 8481-8503.	2.1	9

#	ARTICLE	IF	CITATIONS
255	Neural network-based adaptive decentralized learning control for interconnected systems with input constraints. <i>Control Theory and Technology</i> , 2021, 19, 392-404.	1.0	0
256	Performance-based optimal control for stochastic nonlinear systems with unknown deadzone. <i>Optimal Control Applications and Methods</i> , 2022, 43, 283-303.	1.3	3
257	Online event-triggered optimal control for multi-agent systems using simplified ADP and experience replay technique. <i>Nonlinear Dynamics</i> , 2021, 106, 509-522.	2.7	11
258	Control of an ALIV with completely unknown dynamics and multi-asymmetric input constraints via off-policy reinforcement learning. <i>Neural Computing and Applications</i> , 2022, 34, 5255-5265.	3.2	13
259	Finite-time adaptive output synchronization of uncertain nonlinear heterogeneous multi-agent systems. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 9416-9435.	2.1	7
260	Online event-based adaptive critic design with experience replay to solve partially unknown multi-player nonzero-sum games. <i>Neurocomputing</i> , 2021, 458, 219-231.	3.5	8
261	Online event-triggered adaptive critic design for multi-player zero-sum games of partially unknown nonlinear systems with input constraints. <i>Neurocomputing</i> , 2021, 462, 309-319.	3.5	11
262	Neural optimal tracking control of constrained nonaffine systems with a wastewater treatment application. <i>Neural Networks</i> , 2021, 143, 121-132.	3.3	39
263	Adaptive Optimized Backstepping Control-Based RL Algorithm for Stochastic Nonlinear Systems With State Constraints and Its Application. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 10542-10555.	6.2	58
264	Observer-Based Neuro-Adaptive Optimized Control of Strict-Feedback Nonlinear Systems With State Constraints. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 3131-3145.	7.2	349
265	Robust Actor-Critic Learning for Continuous-Time Nonlinear Systems With Unmodeled Dynamics. <i>IEEE Transactions on Fuzzy Systems</i> , 2022, 30, 2101-2112.	6.5	83
266	Concurrent Learning-Based Adaptive Control of an Uncertain Robot Manipulator With Guaranteed Safety and Performance. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 3299-3313.	5.9	16
267	Adaptive Optimal Control for Unknown Constrained Nonlinear Systems With a Novel Quasi-Model Network. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 2867-2878.	7.2	3
268	Prescribed Performance Fault-Tolerant Control for Uncertain Nonlinear MIMO System Using Actor-Critic Learning Structure. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 4479-4490.	7.2	26
269	A Novel Policy Iteration-Based Deterministic Q-Learning for Discrete-Time Nonlinear Systems. <i>Studies in Systems, Decision and Control</i> , 2018, , 85-109.	0.8	3
270	Off-Policy Integral Reinforcement Learning Method for Multi-player Non-zero-Sum Games. <i>Studies in Systems, Decision and Control</i> , 2019, , 227-249.	0.8	1
271	H ∞ tracking control via variable gain gradient descent-based integral reinforcement learning for unknown continuous time nonlinear system. <i>IET Control Theory and Applications</i> , 2020, 14, 3476-3489.	1.2	9
272	Adaptive Tracking Control for Perturbed Strict-Feedback Nonlinear Systems Based on Optimized Backstepping Technique. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 853-865.	7.2	47

#	ARTICLE	IF	CITATIONS
273	Fully Distributed Adaptive NN-Based Consensus Protocol for Nonlinear MASs: An Attack-Free Approach. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1561-1570.	7.2	17
274	Model-free optimal decentralized sliding mode control for modular and reconfigurable robots based on adaptive dynamic programming. Advances in Mechanical Engineering, 2019, 11, 168781401989692.	0.8	9
275	Model-Free Optimal Consensus Control for Multi-agent Systems Based on DHP Algorithm. Neural Processing Letters, 2022, 54, 501-521.	2.0	0
276	Leader-Follower Optimal Consensus of Discrete-Time Linear Multi-agent Systems based on Q-Learning. Lecture Notes in Electrical Engineering, 2022, , 492-501.	0.3	1
277	A New Discrete-Time Iterative Adaptive Dynamic Programming Algorithm Based on Q-Learning. Lecture Notes in Computer Science, 2015, , 43-52.	1.0	0
278	Optimal Digital Control with Uncertain Network Delay of Linear Systems Using Reinforcement Learning. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2016, E99.A, 454-461.	0.2	3
279	Event-Triggered Adaptive Dynamic Programming for Uncertain Nonlinear Systems. Communications in Computer and Information Science, 2017, , 13-26.	0.4	1
280	Principle of Adaptive Dynamic Programming. Studies in Systems, Decision and Control, 2018, , 1-17.	0.8	0
281	Discrete-Time Optimal Control of Nonlinear Systems via Value Iteration-Based Q-Learning. Studies in Systems, Decision and Control, 2018, , 47-84.	0.8	1
282	Nonlinear Neuro-Optimal Tracking Control via Stable Iterative Q-Learning Algorithm. Studies in Systems, Decision and Control, 2018, , 111-131.	0.8	2
283	Study of Feature Apprehension Using Soft Computing Approaches. Advances in Computer and Electrical Engineering Book Series, 2018, , 170-190.	0.2	0
284	New Results on Deterministic Learning of Sampled-Data Nonlinear Systems. , 2018, , .		0
285	Online Optimal Synchronization of Nonlinear Multi-agent Systems under Unknown Dynamics. Journal of Control, 2018, 12, 13-28.	0.1	0
286	Adaptive Near-Optimal Control with Full-State Feedback. Studies in Systems, Decision and Control, 2020, , 49-95.	0.8	0
287	Model-Based Reinforcement Learning for Optimal Feedback Control of Switched Systems. , 2020, , .		5
288	Optimal Robust Control of Nonlinear Uncertain System via Off-Policy Integral Reinforcement Learning. , 2020, , .		3
289	Continuous-time receding-horizon reinforcement learning and its application to path-tracking control of autonomous ground vehicles. Optimal Control Applications and Methods, 2023, 44, 1129-1147.	1.3	3
290	Barrier-Certified Learning-Enabled Safe Control Design for Systems Operating in Uncertain Environments. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 437-449.	8.5	6

#	ARTICLE	IF	CITATIONS
291	Optimal Synchronization Control of Heterogeneous Asymmetric Input-Constrained Unknown Nonlinear MASs via Reinforcement Learning. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 520-532.	8.5	20
292	Multi-H \hat{z} Controls for Unknown Input-Interference Nonlinear System With Reinforcement Learning. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 5601-5613.	7.2	16
293	Fixed-Time System Identification Using Concurrent Learning. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 4892-4902.	7.2	2
294	Safe model-based reinforcement learning for nonlinear optimal control with state and input constraints. AIChE Journal, 2022, 68, .	1.8	7
295	Variable gain gradient descent-based reinforcement learning for robust optimal tracking control of uncertain nonlinear system with input constraints. Nonlinear Dynamics, 2022, 107, 2195-2214.	2.7	5
296	Traffic Signal Control With Adaptive Online-Learning Scheme Using Multiple-Model Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 7838-7850.	7.2	5
297	Hierarchical Multiagent Formation Control Scheme via Actor-Critic Learning. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 8764-8777.	7.2	10
298	Reinforcement Learning-Based Composite Controller for Cable-Driven Parallel Suspension System at High Angles of Attack. IEEE Access, 2022, 10, 36373-36384.	2.6	1
299	Composite learning sliding mode control of uncertain nonlinear systems with prescribed performance. Journal of Intelligent and Fuzzy Systems, 2022, , 1-13.	0.8	0
300	Double-channel event-triggered adaptive optimal control of active suspension systems. Nonlinear Dynamics, 2022, 108, 3435-3448.	2.7	7
301	Safe Model-Based Reinforcement Learning for Systems With Parametric Uncertainties. Frontiers in Robotics and AI, 2021, 8, 733104.	2.0	3
302	Adaptive fault-tolerant optimized formation control for perturbed nonlinear multiagent systems. International Journal of Robust and Nonlinear Control, 2022, 32, 3386-3407.	2.1	5
303	Finite-time Identification of Unknown Discrete-time Nonlinear Systems Using Concurrent Learning. , 2021, , .		3
304	Kernel center adaptation in the reproducing kernel Hilbert space embedding method. International Journal of Adaptive Control and Signal Processing, 2022, 36, 1562-1583.	2.3	8
305	Adaptive Dynamic Programming-Based Event-Triggered Robust Control for Multiplayer Nonzero-Sum Games With Unknown Dynamics. IEEE Transactions on Cybernetics, 2023, 53, 5151-5164.	6.2	15
306	Finite-time disturbance rejection for nonlinear systems using an adaptive disturbance observer based on experience-replay. International Journal of Adaptive Control and Signal Processing, 0, , .	2.3	0
307	Event-triggered adaptive integral reinforcement learning method for zero-sum differential games of nonlinear systems with incomplete known dynamics. Neural Computing and Applications, 2022, 34, 10775-10786.	3.2	4
308	Adaptive dynamic programming-based visual servoing control for quadrotor. Neurocomputing, 2022, 504, 251-261.	3.5	6

#	ARTICLE	IF	CITATIONS
309	Finite-Time Distributed Identification for Nonlinear Interconnected Systems. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 1188-1199.	8.5	4
310	Model-free finite-horizon optimal control of discrete-time two-player zero-sum games. International Journal of Systems Science, 2023, 54, 167-179.	3.7	2
311	Adaptive Optimal Control of Completely Unknown Systems with Relaxed PE Conditions. , 2022, , .		1
312	Online Adaptive Optimal Control Algorithm of Partial Unknown System with Adding Experience Replay and Safety Check. Lecture Notes in Electrical Engineering, 2022, , 681-696.	0.3	0
313	Neural-Network-Based Control With Dynamic Event-Triggered Mechanisms Under DoS Attacks and Applications in Load Frequency Control. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 5312-5324.	3.5	10
314	Multi-event-triggered adaptive critic control with guaranteed cost for discrete-time nonlinear non-zero-sum games. International Journal of Robust and Nonlinear Control, 2022, 32, 10292-10308.	2.1	3
315	Online Policy Learning-Based Output-Feedback Optimal Control of Continuous-Time Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2024, 71, 652-656.	2.2	0
316	Event-triggered-based online integral reinforcement learning for optimal control of unknown constrained nonlinear systems. International Journal of Control, 2024, 97, 213-225.	1.2	3
317	Output-feedback robust control of systems with uncertain dynamics via data-driven policy learning. International Journal of Robust and Nonlinear Control, 2022, 32, 9791-9807.	2.1	5
318	Attention-Enabled Memory for Concurrent Learning Adaptive Control. , 2023, 7, 967-972.		0
319	Personalization of Control Systems by Policy Update With Improving User Trust. , 2023, 7, 889-894.		0
320	Optimal Control of Nonlinear Systems With Unsymmetrical Input Constraints and its Application to the UAV Circumnavigation Problem. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 2815-2827.	5.9	2
321	Adaptive optimal trajectory tracking control of AUVs based on reinforcement learning. ISA Transactions, 2023, 137, 122-132.	3.1	1
322	Efficient Off-Policy Q-Learning for Data-Based Discrete-Time LQR Problems. IEEE Transactions on Automatic Control, 2023, 68, 2922-2933.	3.6	8
323	A Survey on Reinforcement Learning based Adaptive Optimal Control Design. , 2022, , .		0
324	Constrained Neural Optimal Tracking Control with Wastewater Treatment Applications. , 2023, , 219-239.		0
325	Near-Optimal Regulation with Asymmetric Constraints via Generalized Value Iteration. , 2023, , 89-117.		0
326	Online Stackelberg learning solution for non-zero-sum games with infinite horizon cost*. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
327	Simplified ADP for Event-Triggered Control of Multiagent Systems Against FDI Attacks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 4672-4683.	5.9	6
328	Safe Reinforcement Learning-Based Robust Approximate Optimal Control for Hypersonic Flight Vehicles. IEEE Transactions on Vehicular Technology, 2023, 72, 11401-11414.	3.9	2
329	Adaptive optimal formation control for unmanned surface vehicles with guaranteed performance using actor-critic learning architecture. International Journal of Robust and Nonlinear Control, 2023, 33, 4504-4522.	2.1	4
330	Event-Triggered Single-Network ADP for Zero-Sum Game of Unknown Nonlinear Systems with Constrained Input. Applied Sciences (Switzerland), 2023, 13, 2140.	1.3	1
331	On Model Identification Based Optimal Control and Its Applications to Multi-Agent Learning and Control. Mathematics, 2023, 11, 906.	1.1	26
332	Online adaptive optimal tracking control for model-free nonlinear systems via a dynamic neural network. Automatika, 2023, 64, 431-440.	1.2	1
333	Robust Near-optimal Control for Constrained Nonlinear System via Integral Reinforcement Learning. International Journal of Control, Automation and Systems, 2023, 21, 1319-1330.	1.6	1
335	Distributed Actor-Critic Approach for Frequency Synchronization of Isolated AC Microgrids. , 2023, , .		0
345	Output Feedback Adaptive Optimal Control of Affine Nonlinear systems with a Linear Measurement Model. , 2023, , .		1
347	Multiplayer Stackelberg Game for Nonlinear System with Constrained Inputs via Value Iteration. , 2023, , .		0
348	Discrete-Time Optimal Control for Partially Unknown Nonlinear Systems with Asymmetry Input Constraints. , 2023, , .		4
349	Performance Guaranteed Non-Zero-Sum Games for Multiple Spacecraft. , 2023, , 257-289.		0
350	Optimal Cooperative Circumnavigation Control of Multiple Robots: A Mean Field Method. , 2023, , .		0
357	Reinforcement Learning for Image-Based Visual Servo Control. , 2023, , .		0
358	A Physics-Informed Neural Networks Framework to Solve the Infinite-Horizon Optimal Control Problem. , 2023, , .		0
359	Optimal tracking control for a nonlinear system with constrained-input via model-free reinforcement learning. , 2023, , .		0