

Discrete-Time Nonlinear HJB Solution Using Approximation Convergence Proof

IEEE Transactions on Systems, Man, and Cybernetics
38, 943-949

DOI: [10.1109/tsmcb.2008.926614](https://doi.org/10.1109/tsmcb.2008.926614)

Citation Report

#	ARTICLE	IF	CITATIONS
2	∈-Adaptive Dynamic Programming for discrete-time systems. , 2008, , .		2
3	Discrete-Time /spl epsilon/-Adaptive Dynamic Programming Algorithm Using Neural Networks. , 2008, , .		1
4	Adaptive dynamic programming algorithm for discrete-time systems with ∈-error bound and discount factor in the performance cost. , 2009, , .		1
5	Optimal tracking control of affine nonlinear discrete-time systems with unknown internal dynamics. , 2009, , .		59
6	Adaptive dynamic programming-based optimal control of unknown affine nonlinear discrete-time systems. , 2009, , .		7
7	Model-free approximate dynamic programming for continuous-time linear systems. , 2009, , .		5
8	Input-derivative-constrained approximate dynamic programming for unknown continuous-time linear systems. , 2009, , .		0
9	Constrained controller design for a class of nonlinear discrete-time uncertain systems. , 2009, , .		2
10	Constrained optimal control of affine nonlinear discrete-time systems using GHJB method. , 2009, , .		6
11	Algorithm and stability of ATC receding horizon control. , 2009, , .		6
12	Adaptive Dynamic Programming: An Introduction. IEEE Computational Intelligence Magazine, 2009, 4, 39-47.	3.4	711
13	Data-based Optimal Control for Discrete-time Zero-sum Games of 2-D Systems Using Adaptive Critic Designs. Zidonghua Xuebao/Acta Automatica Sinica, 2009, 35, 682-692.	1.5	18
14	Optimal control of unknown affine nonlinear discrete-time systems using offline-trained neural networks with proof of convergence. Neural Networks, 2009, 22, 851-860.	3.3	179
15	Function approximation for the deterministic Hamilton-Jacobi-Bellman equation. , 2009, , .		1
16	Reinforcement learning and adaptive dynamic programming for feedback control. IEEE Circuits and Systems Magazine, 2009, 9, 32-50.	2.6	1,125
17	Neural-Network-Based Near-Optimal Control for a Class of Discrete-Time Affine Nonlinear Systems With Control Constraints. IEEE Transactions on Neural Networks, 2009, 20, 1490-1503.	4.8	567
18	Optimal control of affine nonlinear discrete-time systems. , 2009, , .		25
19	Adaptive dynamic programming for discrete-time systems with infinite horizon and ∈-error bound in the performance cost. , 2009, , .		2

#	ARTICLE	IF	CITATIONS
20	Optimal control laws for time-delay systems with saturating actuators based on heuristic dynamic programming. <i>Neurocomputing</i> , 2010, 73, 3020-3027.	3.5	66
21	An Optimal Control Scheme for a Class of Discrete-time Nonlinear Systems with Time Delays Using Adaptive Dynamic Programming. <i>Zidonghua Xuebao/Acta Automatica Sinica</i> , 2010, 36, 121-129.	1.5	40
22	Optimal control of affine nonlinear continuous-time systems. , 2010, , .		132
23	Decentralized state feedback and near optimal adaptive neural network control of interconnected nonlinear discrete-time systems. , 2010, , .		1
24	Decentralized nearly optimal control of a class of interconnected nonlinear discrete-time systems by using online Hamilton-Bellman-Jacobi formulation. , 2010, , .		0
25	A Cost Function Based Single Network Adaptive Critic architecture for optimal control synthesis for a class of nonlinear systems. , 2010, , .		7
26	An Online Nonlinear Optimal Controller Synthesis for Aircraft with Model Uncertainties. , 2010, , .		9
27	Optimal adaptive control for unknown systems using output feedback by reinforcement learning methods. , 2010, , .		18
28	Optimal control of affine nonlinear continuous-time systems using an online Hamilton-Jacobi-Isaacs formulation. , 2010, , .		63
29	Greedy iterative DHP algorithm-based near-optimal control for a class of nonlinear descriptor systems with actuator saturating. , 2010, , .		1
30	A Single Network approximate dynamic programming based constrained optimal controller for nonlinear systems with uncertainties. , 2010, , .		1
31	Near-optimal control laws based on Heuristic Dynamic Programming iteration algorithm. , 2010, , .		3
32	A model-free robust policy iteration algorithm for optimal control of nonlinear systems. , 2010, , .		17
33	Adaptive dynamic programming for a class of discrete-time non-affine nonlinear systems with time-delays. , 2010, , .		3
34	\mathcal{H}_2 Filtering for Discrete-Time Nonlinear Singularly Perturbed Systems. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2011, 58, 1854-1864.	3.5	18
35	Discrete-time local dynamic programming. , 2011, , .		1
36	Discrete-time nonlinear systems inverse optimal control: A control Lyapunov function approach. , 2011, , .		26
37	Approximate optimal tracking control for a class of discrete-time non-affine systems based on GDHP algorithm. , 2011, , .		4

#	ARTICLE	IF	CITATIONS
38	Approximate dynamic programming for stochastic systems with additive and multiplicative noise. , 2011, , .		0
39	Four Encounters with System Identification. European Journal of Control, 2011, 17, 449-471.	1.6	54
40	Optimal Tracking Control for a Class of Nonlinear Discrete-Time Systems With Time Delays Based on Heuristic Dynamic Programming. IEEE Transactions on Neural Networks, 2011, 22, 1851-1862.	4.8	172
41	Neural-network-based optimal control for a class of nonlinear discrete-time systems with control constraints using the iterative GDHP algorithm. , 2011, , .		6
42	Near optimal control of mobile robot formations. , 2011, , .		2
43	Data-Driven Robust Approximate Optimal Tracking Control for Unknown General Nonlinear Systems Using Adaptive Dynamic Programming Method. IEEE Transactions on Neural Networks, 2011, 22, 2226-2236.	4.8	534
44	Adaptive Dynamic Programming for Finite-Horizon Optimal Control of Discrete-Time Nonlinear Systems With ϵ -Error Bound. IEEE Transactions on Neural Networks, 2011, 22, 24-36.	4.8	279
45	Online near optimal control of unknown nonaffine systems with application to HCCI engines. , 2011, , .		2
46	Decentralized Optimal Control of a Class of Interconnected Nonlinear Discrete-Time Systems by Using Online Hamilton-Jacobi-Bellman Formulation. IEEE Transactions on Neural Networks, 2011, 22, 1757-1769.	4.8	48
47	Reinforcement Learning for Partially Observable Dynamic Processes: Adaptive Dynamic Programming Using Measured Output Data. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 14-25.	5.5	391
48	Fuzzy Optimal Control for Multistage Fuzzy Systems. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 964-975.	5.5	23
49	Neural Network-based Optimal Control for Advanced Vehicular Thermal Management Systems. , 0, , .		5
50	A Novel Q-Learning Based Adaptive Optimal Controller Implementation for a Humanoid Robotic Arm*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 13528-13533.	0.4	9
51	Discrete-time Robust Inverse Optimal Control for a Class of Nonlinear Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 8595-8600.	0.4	7
52	$\hat{\alpha}_2$ filtering for non-linear singularly perturbed systems. IET Control Theory and Applications, 2011, 5, 2023-2032.	1.2	2
53	Online optimal control of nonlinear discrete-time systems using approximate dynamic programming. Journal of Control Theory and Applications, 2011, 9, 361-369.	0.8	49
54	Approximate dynamic programming solutions with a single network adaptive critic for a class of nonlinear systems. Journal of Control Theory and Applications, 2011, 9, 370-380.	0.8	14
55	A review of stochastic algorithms with continuous value function approximation and some new approximate policy iteration algorithms for multidimensional continuous applications. Journal of Control Theory and Applications, 2011, 9, 336-352.	0.8	31

#	ARTICLE	IF	CITATIONS
56	$\hat{\alpha}$ -filtering for singularly perturbed nonlinear systems. International Journal of Robust and Nonlinear Control, 2011, 21, 218-236.	2.1	13
57	Discrete-time mixed $\hat{\alpha}$ - $\hat{\beta}$ nonlinear filtering. International Journal of Robust and Nonlinear Control, 2011, 21, 1257-1282.	2.1	9
58	Optimality and convergence of adaptive optimal control by reinforcement synthesis. Automatica, 2011, 47, 1047-1052.	3.0	13
59	Speed-gradient inverse optimal control for discrete-time nonlinear systems. , 2011, , .		20
60	Nonlinear two-player zero-sum game approximate solution using a Policy Iteration algorithm. , 2011, , .		29
61	Finite-horizon input-constrained nonlinear optimal control using single network adaptive critics. , 2011, , .		14
62	Constrained optimal control for a class of nonlinear systems with uncertainties. , 2011, , .		0
63	Stochastic optimal control design for nonlinear networked control system via neuro dynamic programming using input-output measurements. , 2011, , .		0
64	Approximate Dynamic Programming for Optimal Stationary Control With Control-Dependent Noise. IEEE Transactions on Neural Networks, 2011, 22, 2392-2398.	4.8	23
65	Data-based adaptive critic design for discrete-time zero-sum games using output feedback. , 2011, , .		13
66	Adaptive dynamic programming for optimal control of unknown nonlinear discrete-time systems. , 2011, , .		10
67	N-step optimal time-invariant trajectory tracking control for a class of nonlinear systems. , 2011, , .		1
68	Excitation control system based on multi-objective Heuristic Dynamic Programming. , 2011, , .		0
69	Adaptive critic-based tracking control of non-affine nonlinear discrete-time systems with unknown dynamics. , 2011, , .		0
70	Infinite horizon optimal control of affine nonlinear discrete switched systems using two-stage approximate dynamic programming. International Journal of Systems Science, 2012, 43, 1673-1682.	3.7	21
71	Optimal control for discrete-time affine non-linear systems using general value iteration. IET Control Theory and Applications, 2012, 6, 2725-2736.	1.2	111
72	Nonlinear optimal stabilizing control under sampling. , 2012, , .		1
73	Heuristic dynamic programming using echo state network as online trainable adaptive critic. International Journal of Adaptive Control and Signal Processing, 2013, 27, 902-914.	2.3	9

#	ARTICLE	IF	CITATIONS
74	Optimality recovery of feedback control system based on discrete-time state dependent riccati equation. , 2012, , .		1
75	Iterative Learning Heuristic Dynamic Programming (ILHDP) design of a Steam Power Plant Controller. , 2012, , .		1
76	Neural-Network-Based Optimal Control for a Class of Unknown Discrete-Time Nonlinear Systems Using Globalized Dual Heuristic Programming. IEEE Transactions on Automation Science and Engineering, 2012, 9, 628-634.	3.4	145
77	Reinforcement Learning and Feedback Control: Using Natural Decision Methods to Design Optimal Adaptive Controllers. IEEE Control Systems, 2012, 32, 76-105.	1.0	730
78	Neural inverse optimal control for discrete-time uncertain nonlinear systems stabilization. , 2012, , .		5
79	Approximate Optimal Control Design for Nonlinear One-Dimensional Parabolic PDE Systems Using Empirical Eigenfunctions and Neural Network. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 1538-1549.	5.5	66
80	Online Optimal Control of Affine Nonlinear Discrete-Time Systems With Unknown Internal Dynamics by Using Time-Based Policy Update. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 1118-1129.	7.2	225
81	Finite-horizon neuro-optimal tracking control for a class of discrete-time nonlinear systems using adaptive dynamic programming approach. Neurocomputing, 2012, 78, 14-22.	3.5	203
82	Heuristic dynamic programming-based H ∞ control of discrete-time affine nonlinear systems. , 2012, , .		0
83	Finite-horizon neural optimal tracking control for a class of nonlinear systems with unknown dynamics. , 2012, , .		6
84	Neural inverse optimal control applied to type 1 diabetes mellitus patients. , 2012, , .		3
85	Linear impulsive system optimization using adaptive dynamic programming. , 2012, , .		0
86	A new optimal control method for discrete-time nonlinear systems with approximation error. , 2012, , .		3
87	H ∞ control of unknown discrete-time nonlinear systems with control constraints using adaptive dynamic programming. , 2012, , .		1
88	Heuristic Dynamic Programming Algorithm for Optimal Control Design of Linear Continuous-Time Hyperbolic PDE Systems. Industrial & Engineering Chemistry Research, 2012, 51, 9310-9319.	1.8	12
89	Integral reinforcement learning with explorations for continuous-time nonlinear systems. , 2012, , .		11
90	\mathcal{H}_{∞} Filtering for Nonlinear Singular Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2012, 59, 2395-2404.	3.5	12
91	Optimal control of unknown nonaffine nonlinear discrete-time systems based on adaptive dynamic programming. Automatica, 2012, 48, 1825-1832.	3.0	354

#	ARTICLE	IF	CITATIONS
92	Discrete-Time Neural Inverse Optimal Control for Nonlinear Systems via Passivation. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 1327-1339.	7.2	30
93	Decentralized control of nonlinear multi-agent systems using single network adaptive critics. , 2012, , .		0
94	An Optimal Tracking Approach to Formation Control of Nonlinear Multi-Agent Systems. , 2012, , .		5
95	Intelligent Constrained Optimal Control of Aerospace Vehicles with Model Uncertainties. Journal of Guidance, Control, and Dynamics, 2012, 35, 1582-1592.	1.6	11
96	The Optimal Control of Discrete-Time Delay Nonlinear System with Dual Heuristic Dynamic Programming. Lecture Notes in Computer Science, 2012, , 664-672.	1.0	1
97	Approximate dynamic programming for continuous-time linear quadratic regulator problems: relaxation of known input-coupling matrix assumption. IET Control Theory and Applications, 2012, 6, 2063-2075.	1.2	13
98	Neural Network Based Online Simultaneous Policy Update Algorithm for Solving the HJI Equation in Nonlinear H_{∞} Control. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 1884-1895.	7.2	156
100	Robust optimal control of uncertain nonaffine MIMO nonlinear discrete-time systems with application to HCCI engines. International Journal of Adaptive Control and Signal Processing, 2012, 26, 592-613.	2.3	11
101	Reinforcement learning and optimal adaptive control: An overview and implementation examples. Annual Reviews in Control, 2012, 36, 42-59.	4.4	156
102	Adaptive dynamic programming-based optimal control of unknown nonaffine nonlinear discrete-time systems with proof of convergence. Neurocomputing, 2012, 91, 48-55.	3.5	62
103	Reinforcement Learning Controller Design for Affine Nonlinear Discrete-Time Systems using Online Approximators. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 377-390.	5.5	160
104	A Single Network Adaptive Critic-Based Redundancy Resolution Scheme for Robot Manipulators. IEEE Transactions on Industrial Electronics, 2012, 59, 3241-3253.	5.2	50
105	2-DOF nonlinear $\hat{\sigma}$ certainty-equivalent filters (CEFs). Optimal Control Applications and Methods, 2012, 33, 263-275.	1.3	0
106	A policy iteration approach to online optimal control of continuous-time constrained-input systems. ISA Transactions, 2013, 52, 611-621.	3.1	52
108	Adaptive optimal control for a class of continuous-time affine nonlinear systems with unknown internal dynamics. Neural Computing and Applications, 2013, 23, 1843-1850.	3.2	75
109	Particle Swarm Optimization for Discrete-Time Inverse Optimal Control of a Doubly Fed Induction Generator. IEEE Transactions on Cybernetics, 2013, 43, 1698-1709.	6.2	77
110	Neural-network-based zero-sum game for discrete-time nonlinear systems via iterative adaptive dynamic programming algorithm. Neurocomputing, 2013, 110, 92-100.	3.5	163
112	An Equivalence Between Adaptive Dynamic Programming With a Critic and Backpropagation Through Time. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 2088-2100.	7.2	35

#	ARTICLE	IF	CITATIONS
113	Adaptive optimal control for nonlinear discrete-time systems. , 2013, , .		0
114	Optimal multi-therapeutic HIV treatment using a global optimal switching scheme. Applied Mathematics and Computation, 2013, 219, 7872-7881.	1.4	13
115	Near-Optimal Control for Nonzero-Sum Differential Games of Continuous-Time Nonlinear Systems Using Single-Network ADP. IEEE Transactions on Cybernetics, 2013, 43, 206-216.	6.2	377
116	End-to-End cryptographic voting: Potentials and limitations. , 2013, , .		0
117	Real-time decentralized inverse optimal neural control for a Shrimp robot. , 2013, , .		2
118	Real-time tracking on adaptive critic design with uniformly ultimately bounded condition. , 2013, , .		12
119	Policy iteration-mode monotone convergence of generalized policy iteration for discrete-time linear systems. , 2013, , .		0
120	Discrete time neural control of a nonholonomic mobile robot integrating stereo vision feedback. , 2013, , .		2
121	A novel actor-critic identifier architecture for approximate optimal control of uncertain nonlinear systems. Automatica, 2013, 49, 82-92.	3.0	439
122	Finite-Horizon Control-Constrained Nonlinear Optimal Control Using Single Network Adaptive Critics. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 145-157.	7.2	213
123	A neural-network-based iterative GDHP approach for solving a class of nonlinear optimal control problems with control constraints. Neural Computing and Applications, 2013, 22, 219-227.	3.2	30
124	An Overview of Research on Adaptive Dynamic Programming. Zidonghua Xuebao/Acta Automatica Sinica, 2013, 39, 303-311.	1.5	92
125	Nearly Optimal Control Scheme Using Adaptive Dynamic Programming Based on Generalized Fuzzy Hyperbolic Model. Zidonghua Xuebao/Acta Automatica Sinica, 2013, 39, 142-148.	1.5	20
126	Neural Network-Based Optimal Control of Mobile Robot Formations With Reduced Information Exchange. IEEE Transactions on Control Systems Technology, 2013, 21, 1407-1415.	3.2	54
127	Discrete-time inverse optimal neural control for synchronous generators. Engineering Applications of Artificial Intelligence, 2013, 26, 697-705.	4.3	8
128	An iterative adaptive dynamic programming algorithm for optimal control of unknown discrete-time nonlinear systems with constrained inputs. Information Sciences, 2013, 220, 331-342.	4.0	115
129	Stochastic Optimal Controller Design for Uncertain Nonlinear Networked Control System via Neuro Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 471-484.	7.2	75
130	Dual iterative adaptive dynamic programming for a class of discrete-time nonlinear systems with time-delays. Neural Computing and Applications, 2013, 23, 1851-1863.	3.2	35

#	ARTICLE	IF	CITATIONS
131	Neuro-optimal control for a class of unknown nonlinear dynamic systems using SN-DHP technique. Neurocomputing, 2013, 121, 218-225.	3.5	55
133	Optimal Tracking Control of Nonlinear Systems with Time Delays. Communications and Control Engineering, 2013, , 201-221.	1.0	1
134	Finite-Approximation-Error-Based Optimal Control Approach for Discrete-Time Nonlinear Systems. IEEE Transactions on Cybernetics, 2013, 43, 779-789.	6.2	252
135	Zero-Sum Two-Player Game Theoretic Formulation of Affine Nonlinear Discrete-Time Systems Using Neural Networks. IEEE Transactions on Cybernetics, 2013, 43, 1641-1655.	6.2	49
136	Optimal control for a class of nonlinear systems with state delay based on Adaptive Dynamic Programming with ϵ -error bound. , 2013, , .		5
137	Discrete-time LQR optimal tracking control problems using Approximate Dynamic Programming algorithm with disturbance. , 2013, , .		7
138	Neural inverse optimal control applied to type 1 diabetes mellitus patients. Analog Integrated Circuits and Signal Processing, 2013, 76, 343-352.	0.9	8
139	Optimal tracking control for linear discrete-time systems using reinforcement learning. , 2013, , .		19
140	Optimal Orbit Transfer with ON-OFF Actuators Using a Closed Form Optimal Switching Scheme. , 2013, , .		6
141	Numerical adaptive learning control scheme for discrete-time nonlinear systems. IET Control Theory and Applications, 2013, 7, 1472-1486.	1.2	72
142	Time Delay System Tracking Control Based on ADP Iterative Algorithm. Advanced Materials Research, 0, 765-767, 1984-1987.	0.3	0
143	Subcutaneous neural inverse optimal control for an Artificial Pancreas. , 2013, , .		1
144	On integral value iteration for continuous-time linear systems. , 2013, , .		1
145	End-to-End cryptographic voting: Potentials and limitations. , 2013, , .		2
146	Robust controller design of continuous-time nonlinear system using neural network. , 2013, , .		26
147	Optimization of switching instants for optimal control of switched discrete systems based on Particle swarm Algorithm. , 2013, , .		2
148	Neural-network-observer-based optimal control for unknown nonlinear systems using adaptive dynamic programming. International Journal of Control, 2013, 86, 1554-1566.	1.2	116
149	Concurrent learning-based approximate optimal regulation. , 2013, , .		21

#	ARTICLE	IF	CITATIONS
150	Neuro-optimal learning control scheme for gasification process with unknown system model. , 2013, , .		0
151	An approximate dynamic programming approach for model-free control of switched systems. , 2013, , .		5
152	Fixed Final Time Optimal Adaptive Control of Linear Discrete-Time Systems in Input-Output form. Journal of Artificial Intelligence and Soft Computing Research, 2013, 3, 175-187.	3.5	2
153	A New Self-Learning Optimal Control Scheme for Discrete-Time Nonlinear Systems Using Policy Iterative Adaptive Dynamic Programming. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 580-585.	0.4	1
155	An adaptive dynamic programming algorithm to solve optimal control of uncertain nonlinear systems. , 2014, , .		1
156	Event-triggered reinforcement learning approach for unknown nonlinear continuous-time system. , 2014, , .		42
157	Adaptive Dynamic Programming for Optimal Tracking Control of Unknown Nonlinear Systems With Application to Coal Gasification. IEEE Transactions on Automation Science and Engineering, 2014, 11, 1020-1036.	3.4	188
158	Optimal switching of nonlinear systems with free mode sequence. , 2014, , .		0
159	Optimal Switching and Control of Nonlinear Switching Systems Using Approximate Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1106-1117.	7.2	50
160	Finite-Approximation-Error-Based Discrete-Time Iterative Adaptive Dynamic Programming. IEEE Transactions on Cybernetics, 2014, 44, 2820-2833.	6.2	176
161	Theoretical analysis of a reinforcement learning based switching scheme. , 2014, , .		0
162	Robust adaptive dynamic programming for continuous-time linear stochastic systems. , 2014, , .		2
163	Policy iteration approximate dynamic programming using Volterra series based actor. , 2014, , .		3
164	Finite horizon optimal control of non-linear discrete-time switched systems using adaptive dynamic programming with μ -error bound. International Journal of Systems Science, 2014, 45, 1683-1693.	3.7	23
165	Optimal self-learning battery control in smart residential grids by iterative Q-learning algorithm. , 2014, , .		2
166	Adaptive dynamic programming for nonlinear nonaffine systems. , 2014, , .		1
167	ADP-based optimal control for a class of nonlinear discrete-time systems with inequality constraints. , 2014, , .		5
168	Model-based reinforcement learning for infinite-horizon approximate optimal tracking. , 2014, , .		11

#	ARTICLE	IF	CITATIONS
169	Dual Quaternion based Spacecraft Rendezvous with Rotational and Translational Field of View Constraints. , 2014, , .		18
170	Revisiting Approximate Dynamic Programming and its Convergence. IEEE Transactions on Cybernetics, 2014, 44, 2733-2743.	6.2	100
171	Near optimal output feedback control of nonlinear discrete-time systems based on reinforcement neural network learning. IEEE/CAA Journal of Automatica Sinica, 2014, 1, 372-384.	8.5	46
172	Approximate optimal tracking control for continuous-time unknown nonlinear systems. , 2014, , .		9
173	Multi-agent discrete-time graphical games and reinforcement learning solutions. Automatica, 2014, 50, 3038-3053.	3.0	206
174	Online optimal control for VTOL aircraft system based on DHP algorithm. , 2014, , .		2
175	Approximate dynamic programming, local or global optimal solution?. , 2014, , .		1
176	Neural Control and Approximate Dynamic Programming. , 2014, , 1-9.		0
177	Online and model-free supplementary learning control based on approximate dynamic programming. , 2014, , .		1
178	Online adaptive approximate optimal tracking control with simplified dual approximation structure for continuous-time unknown nonlinear systems. IEEE/CAA Journal of Automatica Sinica, 2014, 1, 412-422.	8.5	120
179	Intelligent visual servoing for nonholonomic mobile robots. , 2014, , .		0
180	Discrete-time online learning control for a class of unknown nonaffine nonlinear systems using reinforcement learning. Neural Networks, 2014, 55, 30-41.	3.3	53
181	Neural-network-based optimal tracking control scheme for a class of unknown discrete-time nonlinear systems using iterative ADP algorithm. Neurocomputing, 2014, 125, 46-56.	3.5	86
182	Approximate optimal solution of the DTHJB equation for a class of nonlinear affine systems with unknown dead-zone constraints. Soft Computing, 2014, 18, 349-357.	2.1	6
183	Stable iterative adaptive dynamic programming algorithm with approximation errors for discrete-time nonlinear systems. Neural Computing and Applications, 2014, 24, 1355-1367.	3.2	34
184	Optimal tracking control of a class of nonlinear discrete-time switched systems using adaptive dynamic programming. Neural Computing and Applications, 2014, 24, 531-538.	3.2	19
185	Balancing control energy and tracking error for fuzzy rule emulated adaptive controller. Applied Intelligence, 2014, 40, 639-648.	3.3	2
186	Neural-Network-Based Constrained Optimal Control Scheme for Discrete-Time Switched Nonlinear System Using Dual Heuristic Programming. IEEE Transactions on Automation Science and Engineering, 2014, 11, 839-849.	3.4	198

#	ARTICLE	IF	CITATIONS
187	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
188	Decentralized Stabilization for a Class of Continuous-Time Nonlinear Interconnected Systems Using Online Learning Optimal Control Approach. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 418-428.	7.2	283
189	Reinforcement -learning for optimal tracking control of linear discrete-time systems with unknown dynamics. Automatica, 2014, 50, 1167-1175.	3.0	395
190	Data-based approximate policy iteration for affine nonlinear continuous-time optimal control design. Automatica, 2014, 50, 3281-3290.	3.0	228
191	Clipping in Neurocontrol by Adaptive Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1909-1920.	7.2	9
192	Data-driven iterative adaptive dynamic programming algorithm for approximate optimal control of unknown nonlinear systems. , 2014, , .		5
193	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
194	Integral Reinforcement Learning for Linear Continuous-Time Zero-Sum Games With Completely Unknown Dynamics. IEEE Transactions on Automation Science and Engineering, 2014, 11, 706-714.	3.4	161
195	An adaptive critic-based scheme for consensus control of nonlinear multi-agent systems. International Journal of Control, 2014, 87, 2463-2474.	1.2	9
196	Computational intelligence in control. Annual Reviews in Control, 2014, 38, 233-242.	4.4	16
197	Global optimality of approximate dynamic programming and its use in non-convex function minimization. Applied Soft Computing Journal, 2014, 24, 291-303.	4.1	17
198	Optimal Control for Unknown Discrete-Time Nonlinear Markov Jump Systems Using Adaptive Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 2141-2155.	7.2	126
199	Online Adaptive Policy Learning Algorithm for H_{∞} State Feedback Control of Unknown Affine Nonlinear Discrete-Time Systems. IEEE Transactions on Cybernetics, 2014, 44, 2706-2718.	6.2	203
200	Data-based Suboptimal Neuro-control Design with Reinforcement Learning for Dissipative Spatially Distributed Processes. Industrial & Engineering Chemistry Research, 2014, 53, 8106-8119.	1.8	32
201	Adaptive dynamic programming and optimal control of nonlinear nonaffine systems. Automatica, 2014, 50, 2624-2632.	3.0	186
202	Fixed-final-time optimal tracking control of input-affine nonlinear systems. Neurocomputing, 2014, 129, 528-539.	3.5	37
203	Neural-network-based robust optimal control design for a class of uncertain nonlinear systems via adaptive dynamic programming. Information Sciences, 2014, 282, 167-179.	4.0	133
204	A new self-learning optimal control laws for a class of discrete-time nonlinear systems based on ESN architecture. Science China Information Sciences, 2014, 57, 1-10.	2.7	17

#	ARTICLE	IF	CITATIONS
205	Inverse optimal control for discrete-time nonlinear systems via passivation. Optimal Control Applications and Methods, 2014, 35, 110-126.	1.3	13
206	Some recent advances in learning and adaptation for uncertain feedback control systems. International Journal of Adaptive Control and Signal Processing, 2014, 28, 201-204.	2.3	4
207	Dual Heuristic dynamic Programming for nonlinear discrete-time uncertain systems with state delay. Neurocomputing, 2014, 134, 222-229.	3.5	38
208	Optimal switching between autonomous subsystems. Journal of the Franklin Institute, 2014, 351, 2675-2690.	1.9	35
209	A Novel Iterative θ Adaptive Dynamic Programming for Discrete-Time Nonlinear Systems. IEEE Transactions on Automation Science and Engineering, 2014, 11, 1176-1190.	3.4	120
210	Nearly Optimal Control Scheme for Discrete-Time Nonlinear Systems With Finite Approximation Errors Using Generalized Value Iteration Algorithm. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 4134-4139.	0.4	0
211	Computational Intelligence in Control Ant3nio E Ruano 1. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 8867-8878.	0.4	1
212	Passivity Analysis of Discrete Inverse Optimal Control Based on Control Lyapunov Functions CLF. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 6971-6975.	0.4	1
213	A data-based online reinforcement learning algorithm with high-efficient exploration. , 2014, , .		1
214	State following (StaF) kernel functions for function approximation part II: Adaptive dynamic programming. , 2015, , .		10
215	Discrete-time inverse optimal control for indoor air temperature and humidity in a direct expansion (DX) air conditioning (A/C) system. , 2015, , .		0
216	Optimal self-learning cooperative control for continuous-time heterogeneous multi-agent systems. , 2015, , .		1
217	Value iteration and adaptive optimal control for linear continuous-time systems. , 2015, , .		3
218	Nonlinear discrete time optimal control based on Fuzzy Models. Journal of Intelligent and Fuzzy Systems, 2015, 29, 647-658.	0.8	4
219	Online adaptive dynamic programming algorithm for linear fixed-time impulse hybrid systems. , 2015, , .		1
220	Online concurrent reinforcement learning algorithm to solve two-player zero-sum games for partially unknown nonlinear continuous-time systems. International Journal of Adaptive Control and Signal Processing, 2015, 29, 473-493.	2.3	20
221	Two-Phase Iteration for Value Function Approximation and Hyperparameter Optimization in Gaussian-Kernel-Based Adaptive Critic Design. Mathematical Problems in Engineering, 2015, 2015, 1-14.	0.6	8
222	Policy iteration optimal tracking control for chaotic systems by using an adaptive dynamic programming approach. Chinese Physics B, 2015, 24, 030502.	0.7	8

#	ARTICLE	IF	CITATIONS
223	Design and Implementation of Lifecycle Management for Industrial Control Applications. IEEE Transactions on Control Systems Technology, 2015, 23, 1399-1410.	3.2	18
224	Nonlinear neuro-optimal tracking control via stable iterative Q-learning algorithm. Neurocomputing, 2015, 168, 520-528.	3.5	27
225	Event-triggered adaptive dynamic programming for continuous-time nonlinear system using measured input-output data. , 2015, , .		7
226	Online critic-identifier-actor algorithm for optimal control of nonlinear systems. , 2015, , .		0
227	Multiple data-based ADP structures to solve the infinite horizon optimal control problem. , 2015, , .		0
228	Error bound analysis of policy iteration based approximate dynamic programming for deterministic discrete-time nonlinear systems. , 2015, , .		2
229	A boundedness theoretical analysis for GrADP design: A case study on maze navigation. , 2015, , .		2
230	A novel policy iteration based deterministic Q-learning for discrete-time nonlinear systems. Science China Information Sciences, 2015, 58, 1-15.	2.7	53
231	Neural network observer-based optimal control for unknown nonlinear systems with control constraints. , 2015, , .		4
232	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
233	Predictive event-triggered control based on heuristic dynamic programming for nonlinear continuous-time systems. , 2015, , .		2
234	Model-Free Optimal Control for Affine Nonlinear Systems With Convergence Analysis. IEEE Transactions on Automation Science and Engineering, 2015, 12, 1461-1468.	3.4	70
235	Optimal Tracking Control of Unknown Discrete-Time Linear Systems Using Input-Output Measured Data. IEEE Transactions on Cybernetics, 2015, 45, 2770-2779.	6.2	186
236	Adaptive Optimal Control of Highly Dissipative Nonlinear Spatially Distributed Processes With Neuro-Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 684-696.	7.2	115
237	Multibattery Optimal Coordination Control for Home Energy Management Systems via Distributed Iterative Adaptive Dynamic Programming. IEEE Transactions on Industrial Electronics, 2015, 62, 4203-4214.	5.2	106
238	Optimal control of nonlinear discrete time-varying systems using a new neural network approximation structure. Neurocomputing, 2015, 156, 157-165.	3.5	39
239	An online fault tolerant actor-critic neuro-control for a class of nonlinear systems using neural network HJB approach. International Journal of Control, Automation and Systems, 2015, 13, 311-318.	1.6	15
240	Optimal scheduling for reference tracking or state regulation using reinforcement learning. Journal of the Franklin Institute, 2015, 352, 3285-3303.	1.9	32

#	ARTICLE	IF	CITATIONS
241	GrDHP: A General Utility Function Representation for Dual Heuristic Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 614-627.	7.2	78
242	Online optimal control of unknown discrete-time nonlinear systems by using time-based adaptive dynamic programming. Neurocomputing, 2015, 165, 163-170.	3.5	42
243	A data-driven adaptive controller for a class of unknown nonlinear discrete-time systems with estimated PPD. Engineering Science and Technology, an International Journal, 2015, 18, 218-228.	2.0	19
244	Online adaptive optimal control for continuous-time Markov jump linear systems using a novel policy iteration algorithm. IET Control Theory and Applications, 2015, 9, 1536-1543.	1.2	37
245	Decentralized control for stabilization of nonlinear multi-agent systems using neural inverse optimal control. Neurocomputing, 2015, 168, 81-91.	3.5	13
246	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
247	Convergence of the standard RLS method and UDUT factorisation of covariance matrix for solving the algebraic Riccati equation of the DLQR via heuristic approximate dynamic programming. International Journal of Systems Science, 2015, 46, 2006-2028.	3.7	5
248	Neural-network-based decentralized control of continuous-time nonlinear interconnected systems with unknown dynamics. Neurocomputing, 2015, 165, 90-98.	3.5	48
249	A data-based online reinforcement learning algorithm satisfying probably approximately correct principle. Neural Computing and Applications, 2015, 26, 775-787.	3.2	13
250	Error Bounds of Adaptive Dynamic Programming Algorithms for Solving Undiscounted Optimal Control Problems. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1323-1334.	7.2	59
251	Optimal distributed synchronization control for continuous-time heterogeneous multi-agent differential graphical games. Information Sciences, 2015, 317, 96-113.	4.0	97
252	Convergence Proof of Approximate Policy Iteration for Undiscounted Optimal Control of Discrete-Time Systems. Cognitive Computation, 2015, 7, 763-771.	3.6	4
253	Adaptive dynamic programming for infinite horizon optimal robust guaranteed cost control of a class of uncertain nonlinear systems. , 2015, , .		7
254	Adaptive optimal control for linear stochastic systems with additive noise. , 2015, , .		1
255	Heuristic Dynamic Programming Using Echo State Network For Multivariable Tracking Control Of Wastewater Treatment Process. Asian Journal of Control, 2015, 17, 1654-1666.	1.9	19
256	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
257	A novel dual iterative Q-learning method for optimal battery management in smart residential environments. IEEE Transactions on Industrial Electronics, 2015, 62, 2509-2518.	5.2	183
258	Convergence analysis and application of fuzzy-HDP for nonlinear discrete-time HJB systems. Neurocomputing, 2015, 149, 124-131.	3.5	18

#	ARTICLE	IF	CITATIONS
259	A neural network based online learning and control approach for Markov jump systems. Neurocomputing, 2015, 149, 116-123.	3.5	35
260	Optimal switching between controlled subsystems with free mode sequence. Neurocomputing, 2015, 149, 1620-1630.	3.5	16
261	Neural-network-based adaptive optimal tracking control scheme for discrete-time nonlinear systems with approximation errors. Neurocomputing, 2015, 149, 106-115.	3.5	73
262	Approximate ϵ -Player Nonzero-Sum Game Solution for an Uncertain Continuous Nonlinear System. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1645-1658.	7.2	69
263	Adaptive critic design-based robust neural network control for nonlinear distributed parameter systems with unknown dynamics. Neurocomputing, 2015, 148, 200-208.	3.5	43
264	Finite-Horizon μ -Optimal Tracking Control of Discrete-Time Linear Systems Using Iterative Approximate Dynamic Programming. Asian Journal of Control, 2015, 17, 176-189.	1.9	3
265	Stability analysis of heuristic dynamic programming algorithm for nonlinear systems. Neurocomputing, 2015, 149, 1461-1468.	3.5	11
266	A Review of Fuzzy Logic and Neural Network Based Intelligent Control Design for Discrete-Time Systems. Discrete Dynamics in Nature and Society, 2016, 2016, 1-11.	0.5	30
267	Efficient Actor-Critic Algorithm with Hierarchical Model Learning and Planning. Computational Intelligence and Neuroscience, 2016, 2016, 1-15.	1.1	5
268	Stochastic Adaptive Dynamic Programming for Robust Optimal Control Design. , 2016, , 211-245.		2
269	Model-Based Reinforcement Learning for Approximate Optimal Regulation. , 2016, , 247-273.		7
270	Novel Robust Adaptive Algorithms for Estimation and Control. , 2016, , 661-709.		0
271	Optimal Tracking Control of Uncertain Systems. , 2016, , 165-186.		6
272	Continuous-Time Distributed Adaptive Dynamic Programming for Heterogeneous Multiagent Optimal Synchronization Control. , 2016, , 275-304.		1
273	Data-driven optimal control for a class of unknown continuous-time nonlinear system using a novel ADP method. , 2016, , .		0
274	Analysis of stabilizing value iteration for adaptive optimal control. , 2016, , .		5
275	Optimal impulse control for cow parturient paresis treatment design. , 2016, , .		0
276	Identification and optimal control of large-scale systems using selective decentralization. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
277	Iterative Q-learning-based nonlinear optimal tracking control. , 2016, , .		1
278	A Jacobi-like acceleration for dynamic programming. , 2016, , .		5
279	Stochastic drift counteraction optimal control and enhancing convergence of value iteration. , 2016, , .		7
280	Optimal self-learning control scheme for discrete-time nonlinear systems using local value iteration. , 2016, , .		1
281	Data-driven optimal tracking control for a class of affine non-linear continuous-time systems with completely unknown dynamics. IET Control Theory and Applications, 2016, 10, 700-710.	1.2	45
282	An analysis of value function learning with piecewise linear control. Journal of Experimental and Theoretical Artificial Intelligence, 2016, 28, 529-545.	1.8	14
283	A Lyapunov function based optimal hybrid power system controller for improved transient stability. Electric Power Systems Research, 2016, 137, 6-15.	2.1	30
284	Data-driven output-feedback fault-tolerant control for unknown dynamic systems with faults changing system dynamics. Journal of Process Control, 2016, 43, 10-23.	1.7	39
285	A modified secant iterative method for solving the Hamilton-Jacobi-Bellman-Isaac equations in non-linear optimal control. IET Control Theory and Applications, 2016, 10, 2136-2141.	1.2	5
286	Observer based policy iteration algorithm for fault tolerant control of nonlinear systems with actuator faults. , 2016, , .		0
287	Online fault compensation control based on policy iteration algorithm for a class of affine non-linear systems with actuator failures. IET Control Theory and Applications, 2016, 10, 1816-1823.	1.2	48
288	Tracking control of affine nonlinear discrete-time systems based on Gaussian-kernel-based ADP. , 2016, , .		1
289	Efficient model-based reinforcement learning for approximate online optimal control. Automatica, 2016, 74, 247-258.	3.0	71
290	Data-driven optimal control of operational indices for a class of industrial processes. IET Control Theory and Applications, 2016, 10, 1348-1356.	1.2	17
291	Data-driven policy iteration algorithm for optimal control of continuous-time Itô stochastic systems with Markovian jumps. IET Control Theory and Applications, 2016, 10, 1431-1439.	1.2	29
292	Iterative GDHP-based approximate optimal tracking control for a class of discrete-time nonlinear systems. Neurocomputing, 2016, 214, 775-784.	3.5	44
293	Convergence analysis of GrDHP-based optimal control for discrete-time nonlinear system. , 2016, , .		1
294	Adaptive dynamic programming based fault compensation control for nonlinear systems with actuator failures. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
295	Finite and infinite horizon optimal triggering of networked control systems. , 2016, , .		1
296	Analyzing policy iteration in optimal control. , 2016, , .		3
297	Application of various control schemes on hydraulic actuated automotive cooling systems. Intelligent Decision Technologies, 2016, 10, 37-47.	0.6	0
298	A new iterative algorithm for solving H^∞ control problem of continuous-time Markovian jumping linear systems based on online implementation. International Journal of Robust and Nonlinear Control, 2016, 26, 3737-3754.	2.1	31
299	A neural-network-based online optimal control approach for nonlinear robust decentralized stabilization. Soft Computing, 2016, 20, 707-716.	2.1	25
300	Neuro-optimal tracking control for a class of discrete-time nonlinear systems via generalized value iteration adaptive dynamic programming approach. Soft Computing, 2016, 20, 697-706.	2.1	32
301	Feedback Solution to Optimal Switching Problems With Switching Cost. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2009-2019.	7.2	17
302	Neural Control for Driving a Mobile Robot Integrating Stereo Vision Feedback. Neural Processing Letters, 2016, 43, 425-444.	2.0	5
303	Stability and monotone convergence of generalised policy iteration for discrete-time linear quadratic regulations. International Journal of Control, 2016, 89, 437-450.	1.2	14
304	Theoretical and Numerical Analysis of Approximate Dynamic Programming with Approximation Errors. Journal of Guidance, Control, and Dynamics, 2016, 39, 301-311.	1.6	50
305	Stabilized adaptive controller based on direct IFâ€“THEN knowledge of electronic systems for PWM drivers. Electrical Engineering, 2016, 98, 77-85.	1.2	8
306	Model-based reinforcement learning for approximate optimal regulation. Automatica, 2016, 64, 94-104.	3.0	158
307	Data-Driven Zero-Sum Neuro-Optimal Control for a Class of Continuous-Time Unknown Nonlinear Systems With Disturbance Using ADP. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 444-458.	7.2	198
308	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
309	Stochastic Optimal Regulation of Nonlinear Networked Control Systems by Using Event-Driven Adaptive Dynamic Programming. IEEE Transactions on Cybernetics, 2016, 47, 1-14.	6.2	36
310	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
311	Value Iteration Adaptive Dynamic Programming for Optimal Control of Discrete-Time Nonlinear Systems. IEEE Transactions on Cybernetics, 2016, 46, 840-853.	6.2	339
312	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

#	ARTICLE	IF	CITATIONS
313	A Theoretical Foundation of Goal Representation Heuristic Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2513-2525.	7.2	57
314	Infinite-time stochastic linear quadratic optimal control for unknown discrete-time systems using adaptive dynamic programming approach. Neurocomputing, 2016, 171, 379-386.	3.5	23
315	Online adaptive optimal control for continuous-time nonlinear systems with completely unknown dynamics. International Journal of Control, 2016, 89, 99-112.	1.2	106
316	Approximate guaranteed cost fault-tolerant control of unknown nonlinear systems with time-varying actuator faults. Nonlinear Dynamics, 2016, 83, 269-282.	2.7	23
317	Optimal Design of Residual-Driven Dynamic Compensator Using Iterative Algorithms With Guaranteed Convergence. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 548-558.	5.9	12
318	Off-Policy Actor-Critic Structure for Optimal Control of Unknown Systems With Disturbances. IEEE Transactions on Cybernetics, 2016, 46, 1041-1050.	6.2	180
319	Modeling and Nonlinear Optimal Control of Weak/Islanded Grids Using FACTS Device in a Game Theoretic Approach. IEEE Transactions on Control Systems Technology, 2016, 24, 158-171.	3.2	26
320	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
321	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
322	Online identifier-actor-critic algorithm for optimal control of nonlinear systems. Optimal Control Applications and Methods, 2017, 38, 317-335.	1.3	18
323	Error Bound Analysis of Q^* -Function for Discounted Optimal Control Problems With Policy Iteration. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1207-1216.	5.9	23
324	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
325	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
326	A novel optimal tracking control scheme for a class of discrete-time nonlinear systems using generalised policy iteration adaptive dynamic programming algorithm. International Journal of Systems Science, 2017, 48, 525-534.	3.7	26
327	Adaptive Event-Triggered Control Based on Heuristic Dynamic Programming for Nonlinear Discrete-Time Systems. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1594-1605.	7.2	153
328	Discrete-Time Deterministic Q^* -Learning: A Novel Convergence Analysis. IEEE Transactions on Cybernetics, 2017, 47, 1224-1237.	6.2	159
329	Mixed Iterative Adaptive Dynamic Programming for Optimal Battery Energy Control in Smart Residential Microgrids. IEEE Transactions on Industrial Electronics, 2017, 64, 4110-4120.	5.2	131
330	H ∞ control with constrained input for completely unknown nonlinear systems using data-driven reinforcement learning method. Neurocomputing, 2017, 237, 226-234.	3.5	39

#	ARTICLE	IF	CITATIONS
331	Overview of Adaptive Dynamic Programming. <i>Advances in Industrial Control</i> , 2017, , 1-33.	0.4	3
332	Learning Algorithms for Differential Games of Continuous-Time Systems. <i>Advances in Industrial Control</i> , 2017, , 417-480.	0.4	2
333	Adaptive Dynamic Programming for Optimal Residential Energy Management. <i>Advances in Industrial Control</i> , 2017, , 483-535.	0.4	0
334	Value Iteration ADP for Discrete-Time Nonlinear Systems. <i>Advances in Industrial Control</i> , 2017, , 37-90.	0.4	3
335	Finite Approximation Error-Based Value Iteration ADP. <i>Advances in Industrial Control</i> , 2017, , 91-149.	0.4	1
336	Policy Iteration for Optimal Control of Discrete-Time Nonlinear Systems. <i>Advances in Industrial Control</i> , 2017, , 151-175.	0.4	0
337	Generalized Policy Iteration ADP for Discrete-Time Nonlinear Systems. <i>Advances in Industrial Control</i> , 2017, , 177-221.	0.4	0
338	Error Bounds of Adaptive Dynamic Programming Algorithms. <i>Advances in Industrial Control</i> , 2017, , 223-264.	0.4	0
339	Lyapunov stability-based control and identification of nonlinear dynamical systems using adaptive dynamic programming. <i>Soft Computing</i> , 2017, 21, 4465-4480.	2.1	15
340	Neural-network-based control scheme for a class of nonlinear systems with actuator faults via data-driven reinforcement learning method. <i>Neurocomputing</i> , 2017, 239, 1-8.	3.5	25
341	Discrete-Time Local Value Iteration Adaptive Dynamic Programming: Admissibility and Termination Analysis. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017, 28, 2490-2502.	7.2	32
342	Decentralized Inverse Optimal Control for Trajectory Tracking. <i>Studies in Systems, Decision and Control</i> , 2017, , 55-68.	0.8	0
343	Neural-network-based synchronous iteration learning method for multi-player zero-sum games. <i>Neurocomputing</i> , 2017, 242, 73-82.	3.5	40
344	Optimal control for discrete-time systems with actuator saturation. <i>Optimal Control Applications and Methods</i> , 2017, 38, 1071-1080.	1.3	12
345	Transient Stability Enhancement of Power Grid With Integrated Wide Area Control of Wind Farms and Synchronous Generators. <i>IEEE Transactions on Power Systems</i> , 2017, 32, 4818-4831.	4.6	89
346	Observer-critic structure-based adaptive dynamic programming for decentralised tracking control of unknown large-scale nonlinear systems. <i>International Journal of Systems Science</i> , 2017, 48, 1978-1989.	3.7	41
347	Novel iterative neural dynamic programming for data-based approximate optimal control design. <i>Automatica</i> , 2017, 81, 240-252.	3.0	147
348	Improved Sliding Mode Design for Load Frequency Control of Power System Integrated an Adaptive Learning Strategy. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 6742-6751.	5.2	172

#	ARTICLE	IF	CITATIONS
349	Off-Policy Reinforcement Learning for Synchronization in Multiagent Graphical Games. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2434-2445.	7.2	140
350	Multi-step heuristic dynamic programming for optimal control of nonlinear discrete-time systems. Information Sciences, 2017, 411, 66-83.	4.0	34
351	Real-time neural inverse optimal control for indoor air temperature and humidity in a direct expansion (DX) air conditioning (A/C) system. International Journal of Refrigeration, 2017, 79, 196-206.	1.8	9
352	Event-Triggered Optimal Control for Partially Unknown Constrained-Input Systems via Adaptive Dynamic Programming. IEEE Transactions on Industrial Electronics, 2017, 64, 4101-4109.	5.2	170
353	Ensemble of Markovian stochastic dynamic programming models in different time scales for long term hydropower scheduling. Electric Power Systems Research, 2017, 150, 129-136.	2.1	13
354	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
355	Observer based adaptive dynamic programming for fault tolerant control of a class of nonlinear systems. Information Sciences, 2017, 384, 21-33.	4.0	83
356	Relations between Model Predictive Control and Reinforcement Learning. IFAC-PapersOnLine, 2017, 50, 4920-4928.	0.5	84
357	Adaptive dynamic programming based decentralized tracking control for unknown large-scale systems. , 2017, , .		1
358	Adaptive near-optimal neuro controller for continuous-time nonaffine nonlinear systems with constrained input. Neural Networks, 2017, 93, 195-204.	3.3	18
359	Theoretical analysis of stabilizing value iteration with approximation errors. , 2017, , .		1
360	Towards enabling deep learning techniques for adaptive dynamic programming. , 2017, , .		2
361	Adaptive Critic Nonlinear Robust Control: A Survey. IEEE Transactions on Cybernetics, 2017, 47, 3429-3451.	6.2	287
362	Optimal Triggering of Networked Control Systems. IEEE Transactions on Neural Networks and Learning Systems, 2017, 29, 1-11.	7.2	6
363	Decentralized adaptive tracking control scheme for nonlinear large-scale interconnected systems via adaptive dynamic programming. Neurocomputing, 2017, 225, 1-10.	3.5	48
364	Discrete-Time Optimal Control via Local Policy Iteration Adaptive Dynamic Programming. IEEE Transactions on Cybernetics, 2017, 47, 3367-3379.	6.2	90
365	Event-Triggered Adaptive Dynamic Programming for Continuous-Time Systems With Control Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1941-1952.	7.2	163
366	A Data-Driven Dual-Rate Control Method for a Heat Exchanging Process. IEEE Transactions on Industrial Electronics, 2017, 64, 4158-4168.	5.2	21

#	ARTICLE	IF	CITATIONS
367	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
368	A NN-Based Hybrid Intelligent Algorithm for a Discrete Nonlinear Uncertain Optimal Control Problem. Neural Processing Letters, 2017, 45, 457-473.	2.0	12
369	Policy Gradient Adaptive Dynamic Programming for Data-Based Optimal Control. IEEE Transactions on Cybernetics, 2017, 47, 3341-3354.	6.2	145
370	Adaptive optimal tracking control for a class of nonlinear systems with fully unknown parameters. , 2017, , .		1
371	A Consensus Approach to Dynamic Programming. IFAC-PapersOnLine, 2017, 50, 8435-8440.	0.5	2
372	Stacked adaptive dynamic programming with unknown system model. IFAC-PapersOnLine, 2017, 50, 4150-4155.	0.5	6
373	Value iteration based approximate dynamic programming for mobile robot trajectory tracking with persistent inputs. , 2017, , .		2
374	Hamiltonian-driven adaptive dynamic programming for nonlinear discrete-time dynamic systems. , 2017, , .		0
375	Discrete-time generalized policy iteration ADP algorithm with approximation errors. , 2017, , .		0
376	A Brief Review of Neural Networks Based Learning and Control and Their Applications for Robots. Complexity, 2017, 2017, 1-14.	0.9	43
377	Discrete-time optimal zero-sum games for nonlinear systems via adaptive dynamic programming. , 2017, , .		2
378	Designing model-free control law for slowly varying nonlinear systems based on reinforcement learning. , 2017, , .		1
379	Decentralized optimal control for modular and reconfigurable robots based on adaptive dynamic programming. , 2017, , .		0
380	Adaptive optimal tracking control for continuous-time systems using identifier-critic based dynamic programming. , 2017, , .		3
381	Data-Driven Flotation Industrial Process Operational Optimal Control Based on Reinforcement Learning. IEEE Transactions on Industrial Informatics, 2018, 14, 1974-1989.	7.2	112
382	Suboptimal robust stabilization of discrete-time mismatched nonlinear system. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 352-359.	8.5	7
383	Robust ADP Design for Continuous-Time Nonlinear Systems With Output Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2127-2138.	7.2	60
384	A novel triggering condition of event-triggered control based on heuristic dynamic programming for discrete-time systems. Optimal Control Applications and Methods, 2018, 39, 1467-1478.	1.3	19

#	ARTICLE	IF	CITATIONS
385	General value iteration based single network approach for constrained optimal controller design of partially-unknown continuous-time nonlinear systems. <i>Journal of the Franklin Institute</i> , 2018, 355, 2610-2630.	1.9	10
386	The neuro-dynamic scheme for solving general form of discrete time optimal control problems. <i>Applied Intelligence</i> , 2018, 48, 3178-3191.	3.3	0
387	Value iteration based integral reinforcement learning approach for H ∞ controller design of continuous-time nonlinear systems. <i>Neurocomputing</i> , 2018, 285, 51-59.	3.5	20
388	Iterative computational approach to the solution of the Hamilton-Jacobi-Bellman-Isaacs equation in nonlinear optimal control. <i>Control Theory and Technology</i> , 2018, 16, 38-48.	1.0	2
389	A novel stable value iteration-based approximate dynamic programming algorithm for discrete-time nonlinear systems. <i>Chinese Physics B</i> , 2018, 27, 010203.	0.7	2
390	Optimal Guaranteed Cost Sliding Mode Control for Constrained-Input Nonlinear Systems With Matched and Unmatched Disturbances. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 2112-2126.	7.2	67
391	Model-free Adaptive Dynamic Programming Based Near-optimal Decentralized Tracking Control of Reconfigurable Manipulators. <i>International Journal of Control, Automation and Systems</i> , 2018, 16, 478-490.	1.6	43
392	Research on interactive steering control strategy between driver and AFS in different game equilibrium strategies and information patterns. <i>Vehicle System Dynamics</i> , 2018, 56, 1344-1374.	2.2	34
393	Optimal and Autonomous Control Using Reinforcement Learning: A Survey. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 2042-2062.	7.2	512
394	Online reinforcement learning for a class of partially unknown continuous-time nonlinear systems via value iteration. <i>Optimal Control Applications and Methods</i> , 2018, 39, 1011-1028.	1.3	17
395	Online optimal solutions for multi-player nonzero-sum game with completely unknown dynamics. <i>Neurocomputing</i> , 2018, 283, 87-97.	3.5	50
396	Linear-quadratic optimal control for unknown mean-field stochastic discrete-time system via adaptive dynamic programming approach. <i>Neurocomputing</i> , 2018, 282, 16-24.	3.5	17
397	Iterative ADP learning algorithms for discrete-time multi-player games. <i>Artificial Intelligence Review</i> , 2018, 50, 75-91.	9.7	57
398	Stability Analysis of Optimal Adaptive Control Using Value Iteration With Approximation Errors. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 3119-3126.	3.6	45
399	Tracking Control for Linear Discrete-Time Networked Control Systems With Unknown Dynamics and Dropout. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 4607-4620.	7.2	86
400	Energy Function Inspired Value Priority Based Global Wide-Area Control of Power Grid. <i>IEEE Transactions on Smart Grid</i> , 2018, 9, 552-563.	6.2	16
401	Actor-Critic Off-Policy Learning for Optimal Control of Multiple-Model Discrete-Time Systems. <i>IEEE Transactions on Cybernetics</i> , 2018, 48, 29-40.	6.2	44
402	Discrete-Time Local Value Iteration Adaptive Dynamic Programming: Convergence Analysis. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018, 48, 875-891.	5.9	121

#	ARTICLE	IF	CITATIONS
403	Decentralized Control for Large-Scale Nonlinear Systems With Unknown Mismatched Interconnections via Policy Iteration. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1725-1735.	5.9	129
404	Comprehensive comparison of online ADP algorithms for continuous-time optimal control. Artificial Intelligence Review, 2018, 49, 531-547.	9.7	66
405	Adaptive Dynamic Programming for Discrete-Time Zero-Sum Games. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 957-969.	7.2	123
406	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
407	Distributed Optimal Consensus Control for Multiagent Systems With Input Delay. IEEE Transactions on Cybernetics, 2018, 48, 1747-1759.	6.2	51
408	Output-Feedback Control of Unknown Linear Discrete-Time Systems With Stochastic Measurement and Process Noise via Approximate Dynamic Programming. IEEE Transactions on Cybernetics, 2018, 48, 1977-1988.	6.2	15
409	An iterative relaxation approach to the solution of the Hamilton-Jacobi-Bellman-Isaacs equation in nonlinear optimal control. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 360-366.	8.5	17
410	Data-Driven Finite-Horizon Approximate Optimal Control for Discrete-Time Nonlinear Systems Using Iterative HDP Approach. IEEE Transactions on Cybernetics, 2018, 48, 2948-2961.	6.2	62
411	Adaptive Constrained Optimal Control Design for Data-Based Nonlinear Discrete-Time Systems With Critic-Only Structure. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2099-2111.	7.2	86
412	Data-driven adaptive dynamic programming schemes for non-zero-sum games of unknown discrete-time nonlinear systems. Neurocomputing, 2018, 275, 649-658.	3.5	33
413	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
414	Three bounded proofs for nonlinear multi-input multi-output approximate dynamic programming based on the Lyapunov stability theory. Optimal Control Applications and Methods, 2018, 39, 35-50.	1.3	5
415	Optimal Finite-Time Tracking Control for a Class of Unknown Nonlinear System Based on Input-Output Data. , 2018, , .		2
416	Neural Inverse Optimal Control Applied to Quadrotor UAV. , 2018, , .		3
417	Constrained and Stabilizing Stacked Adaptive Dynamic Programming and a Comparison with Model Predictive Control. , 2018, , .		6
418	Optimal Tracking Control of Heterogeneous Multi-agent Systems with Switching Topology Via Actor-Critic Neural Networks. , 2018, , .		4
419	A Summary on Some Typical Adaptive Dynamic Programming Schemes. , 2018, , .		0
420	FOCS: Planning by Fusion of Optimal Control & Search and its Application to Navigation. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
421	ADP-Based Model Reference Adaptive Control Design for Unknown Discrete-Time Nonlinear Systems. , 2018, , .		1
422	Approximate dynamic programming solution for the optimal nitrogen oxides/particulate matter trade-off control of a WAPS engine. Advances in Mechanical Engineering, 2018, 10, 168781401775178.	0.8	1
423	A Multigraph-Based Selective Update Method for the Efficient Solution of Dynamic Programming. , 2018, , .		3
424	Model-Free Linear Discrete-Time System H [∞] Control Using Input-Output Data. , 2018, , .		5
425	Nash Tracking Controls of Multi-input Nonzero-Sum Game System with Reinforcement Learning. , 2018, , .		0
426	Inverse Optimal Control Using A Neural Multi-Step Predictor For T1DM Treatment. , 2018, , .		4
427	Decentralized reliable guaranteed cost control for large-scale nonlinear systems using actor-critic network. Neurocomputing, 2018, 320, 121-128.	3.5	17
428	Onboard State Dependent LQR for Agile Quadrotors. , 2018, , .		30
429	Development of Reinforcement Learning Algorithm for 2-DOF Helicopter Model. , 2018, , .		5
430	Linear Optimal Control of Miniature Munition Based on Reinforcement Learning*. , 2018, , .		0
431	Adaptive dynamic programming for security of networked control systems with actuator saturation. Information Sciences, 2018, 460-461, 51-64.	4.0	18
432	Data-driven optimal tracking control for discrete-time systems with delays using adaptive dynamic programming. Journal of the Franklin Institute, 2018, 355, 5649-5666.	1.9	33
433	Optimization Scheduling of Multi-Battery Energy Storage System and Interruptible Load With Iterative Adaptive Dynamic Programming. , 2018, , .		4
434	Optimal guaranteed cost control of uncertain non-linear systems using adaptive dynamic programming with concurrent learning. IET Control Theory and Applications, 2018, 12, 1025-1035.	1.2	15
435	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
436	Learning Without External Reward [Research Frontier]. IEEE Computational Intelligence Magazine, 2018, 13, 48-54.	3.4	21
437	Neural inverse optimal control for discrete-time impulsive systems. Neurocomputing, 2018, 314, 101-108.	3.5	28
438	Stability Analysis of Optimal Adaptive Control Under Value Iteration Using a Stabilizing Initial Policy. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4522-4527.	7.2	49

#	ARTICLE	IF	CITATIONS
439	Approximate Dynamic Programming. Communications and Control Engineering, 2018, , 17-42.	1.0	0
440	Adaptive dynamic programming-based stabilization of nonlinear systems with unknown actuator saturation. Nonlinear Dynamics, 2018, 93, 2089-2103.	2.7	34
441	Computational Considerations. Communications and Control Engineering, 2018, , 227-263.	1.0	0
442	Linear quadratic tracking control of unknown discrete-time systems using value iteration algorithm. Neurocomputing, 2018, 314, 86-93.	3.5	19
443	Novel Adaptive Saturated Attitude Tracking Control of Rigid Spacecraft with Guaranteed Transient and Steady-State Performance. Journal of Aerospace Engineering, 2018, 31, .	0.8	13
444	Analysis of extremum value theorems for function spaces in optimal control under numerical uncertainty. IMA Journal of Mathematical Control and Information, 2019, 36, 1015-1032.	1.1	2
445	Learning-Based Adaptive Attitude Control of Spacecraft Formation With Guaranteed Prescribed Performance. IEEE Transactions on Cybernetics, 2019, 49, 4004-4016.	6.2	129
446	Neural-Network-Based Output-Feedback Control Under Round-Robin Scheduling Protocols. IEEE Transactions on Cybernetics, 2019, 49, 2372-2384.	6.2	187
447	Functional Nonlinear Model Predictive Control Based on Adaptive Dynamic Programming. IEEE Transactions on Cybernetics, 2019, 49, 4206-4218.	6.2	56
448	ADP-Based Supplementary Design for Load Frequency Control of Power Systems. Studies in Systems, Decision and Control, 2019, , 281-304.	0.8	1
449	Robust Optimal Control of Nonlinear Systems with Matched Uncertainties. Studies in Systems, Decision and Control, 2019, , 45-84.	0.8	0
450	Overview of Robust Adaptive Critic Control Design. Studies in Systems, Decision and Control, 2019, , 1-43.	0.8	0
451	Control-Limited Adaptive Dynamic Programming for Multi-Battery Energy Storage Systems. IEEE Transactions on Smart Grid, 2019, 10, 4235-4244.	6.2	53
452	Approximate Dynamic Programming For Linear Systems with State and Input Constraints. , 2019, , .		11
453	Learning Output Reference Model Tracking for Higher-Order Nonlinear Systems with Unknown Dynamics. Algorithms, 2019, 12, 121.	1.2	8
454	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
455	Actor-Critic-Identifier Structure-Based Decentralized Neuro-Optimal Control of Modular Robot Manipulators With Environmental Collisions. IEEE Access, 2019, 7, 96148-96165.	2.6	13
456	Optimal Consensus Control for Heterogeneous Nonlinear Multiagent Systems with Partially Unknown Dynamics. International Journal of Control, Automation and Systems, 2019, 17, 2400-2413.	1.6	8

#	ARTICLE	IF	CITATIONS
457	Stochastic Control Approach for Distributed Generation Units Interacting on Graphs. , 2019, , 77-98.		0
458	Approximate Optimal tracking Control for Nonlinear Discrete-time Switched Systems via Approximate Dynamic Programming. , 2019, , .		1
459	Data-based Optimal Control for Discrete-time Systems via Deep Deterministic Policy Gradient Adaptive Dynamic Programming. , 2019, , .		0
460	Parameterized value iteration for output reference model tracking of a high order nonlinear aerodynamic system*. , 2019, , .		1
461	Adaptive Dynamic Programming Approach on Optimal Control for Affinely Pseudo- Linearized Nonlinear System. IEEE Access, 2019, 7, 75132-75142.	2.6	5
462	Improving The Low-Voltage Ride-Through Capacity of a DFIG Using Neural Inverse Optimal Field Oriented Control. , 2019, , .		1
463	Online discrete-time LQR controller design with integral action for bulk Bucket Wheel Reclaimer operational processes via Action-Dependent Heuristic Dynamic Programming. ISA Transactions, 2019, 90, 294-310.	3.1	9
464	Decentralized robust zero-sum neuro-optimal control for modular robot manipulators in contact with uncertain environments: theory and experimental verification. Nonlinear Dynamics, 2019, 97, 503-524.	2.7	27
465	Neural-network-based output-feedback control with stochastic communication protocols. Automatica, 2019, 106, 221-229.	3.0	77
466	Adaptive Dynamic Programming Using Lyapunov Function Constraints. , 2019, 3, 901-906.		6
467	Toward self-driving processes: A deep reinforcement learning approach to control. AIChE Journal, 2019, 65, e16689.	1.8	90
468	Finite-Horizon Optimal Tracking Guidance for Aircraft Based on Approximate Dynamic Programming. Mathematical Problems in Engineering, 2019, 2019, 1-12.	0.6	2
469	Data-driven finite-horizon optimal tracking control scheme for completely unknown discrete-time nonlinear systems. Neurocomputing, 2019, 356, 206-216.	3.5	20
470	Sensitivity analysis for an optimal control problem of chemical processes based on a smoothing cost penalty function approach. Chemical Engineering Research and Design, 2019, 146, 221-238.	2.7	5
471	Power Management Strategy for the 48 V Mild Hybrid Electric Vehicle Based on the Charge-Sustaining Control. International Journal of Automotive Technology, 2019, 20, 37-49.	0.7	7
472	Stable value iteration for two-player zero-sum game of discrete-time nonlinear systems based on adaptive dynamic programming. Neurocomputing, 2019, 340, 180-195.	3.5	15
473	Optimal fixed-point tracking control for discrete-time nonlinear systems via ADP. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 657-666.	8.5	36
474	Near-optimal control of nonlinear dynamical systems: A brief survey. Annual Reviews in Control, 2019, 47, 71-80.	4.4	43

#	ARTICLE	IF	CITATIONS
475	Graph-based algorithms for the efficient solution of optimization problems involving monotone functions. Computational Optimization and Applications, 2019, 73, 101-128.	0.9	4
476	Approximate Nash Solutions for Multiplayer Mixed-Zero-Sum Game With Reinforcement Learning. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2739-2750.	5.9	55
477	Iterative Unit-based Adaptive Dynamic Programming with Application to Fluid Catalytic Cracker Unit. , 2019, , .		0
478	Parallel Adaptive Critic Designs of Optimal Control for Ice-Storage Air Conditioning Systems. , 2019, , .		0
479	A Combined Policy Gradient and Q-learning Method for Data-driven Optimal Control Problems. , 2019, , .		0
480	Reinforcement Learning with Sparse Bellman Error Extrapolation for Infinite-Horizon Approximate Optimal Regulation. , 2019, , .		2
481	Event-Triggered Adaptive Control for Discrete-Time Zero-Sum Games*. , 2019, , .		0
482	Reinforcement learning based compliance control of a robotic walk assist device. Advanced Robotics, 2019, 33, 1281-1292.	1.1	14
483	Finite-Horizon Adaptive Dynamic Programming for Collaborative Target Tracking in Energy Harvesting Wireless Sensor Networks. , 2019, , .		1
484	State Estimation and Stabilization of Discrete-Time Systems with Uncertain Nonlinearities and Disturbances. Automation and Remote Control, 2019, 80, 1976-1995.	0.4	6
485	Energy Consumption Optimization for Public Buildings by Using Data-driven Heuristic Dynamic Programming Algorithm. , 2019, , .		2
486	Optimal State Tracking Control for Linear Discrete-time Systems Via Value Iteration. , 2019, , .		0
487	Adaptive actor-critic structure for parametrized controllers. IFAC-PapersOnLine, 2019, 52, 652-657.	0.5	3
488	Neural Inverse Optimal Control Implementation for Induction Motors via Rapid Control Prototyping. IEEE Transactions on Power Electronics, 2019, 34, 5981-5992.	5.4	27
489	Data-driven optimal tracking control of discrete-time multi-agent systems with two-stage policy iteration algorithm. Information Sciences, 2019, 481, 189-202.	4.0	74
490	Near-Nash Equilibrium Control Strategy for Discrete-Time Nonlinear Systems With Round-Robin Protocol. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2478-2492.	7.2	17
491	The State Following Approximation Method. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1716-1730.	7.2	12
492	Ascent trajectory tracking method using time-varying quadratic adaptive dynamic programming. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 4154-4165.	0.7	3

#	ARTICLE	IF	CITATIONS
493	The Foldable Drone: A Morphing Quadrotor That Can Squeeze and Fly. IEEE Robotics and Automation Letters, 2019, 4, 209-216.	3.3	178
494	Neuro-Optimal Tracking Control for Continuous Stirred Tank Reactor With Input Constraints. IEEE Transactions on Industrial Informatics, 2019, 15, 4516-4524.	7.2	32
495	Output Tracking Control Based on Adaptive Dynamic Programming With Multistep Policy Evaluation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2155-2165.	5.9	56
496	Efficient reinforcement learning in continuous state and action spaces with Dyna and policy approximation. Frontiers of Computer Science, 2019, 13, 106-126.	1.6	10
497	Data-Based Adaptive Dynamic Programming for a Class of Discrete-Time Systems With Multiple Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 432-441.	5.9	45
498	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
499	Model-Free H^∞ Optimal Tracking Control of Constrained Nonlinear Systems via an Iterative Adaptive Learning Algorithm. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4097-4108.	5.9	39
500	Event-Triggered Adaptive Critic Control Design for Discrete-Time Constrained Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3158-3168.	5.9	71
501	Tensor Product-Based Model Transformation and Optimal Controller Design for High Order Nonlinear Singularly Perturbed Systems. Asian Journal of Control, 2020, 22, 486-499.	1.9	6
502	Optimal Output Regulation of Linear Discrete-Time Systems With Unknown Dynamics Using Reinforcement Learning. IEEE Transactions on Cybernetics, 2020, 50, 3147-3156.	6.2	78
503	An Improved N -Step Value Gradient Learning Adaptive Dynamic Programming Algorithm for Online Learning. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1155-1169.	7.2	24
504	Fuzzy adaptive dynamic programming-based optimal leader-following consensus for heterogeneous nonlinear multi-agent systems. Neural Computing and Applications, 2020, 32, 8763-8781.	3.2	18
505	Adaptive linear quadratic regulator for continuous-time systems with uncertain dynamics. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 833-841.	8.5	5
506	Discrete-Time Impulsive Adaptive Dynamic Programming. IEEE Transactions on Cybernetics, 2020, 50, 4293-4306.	6.2	73
507	Convergence of Recurrent Neuro-Fuzzy Value-Gradient Learning With and Without an Actor. IEEE Transactions on Fuzzy Systems, 2020, 28, 658-672.	6.5	3
508	New Methods for Optimal Operational Control of Industrial Processes Using Reinforcement Learning on Two Time Scales. IEEE Transactions on Industrial Informatics, 2020, 16, 3085-3099.	7.2	32
509	Invariant Adaptive Dynamic Programming for Discrete-Time Optimal Control. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3959-3971.	5.9	30
510	Adaptive Dynamics Programming for H^∞ Control of Continuous-Time Unknown Nonlinear Systems via Generalized Fuzzy Hyperbolic Models. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3996-4008.	5.9	33

#	ARTICLE	IF	CITATIONS
511	Adaptive optimal tracking control for nonlinear continuous-time systems with time delay using value iteration algorithm. <i>Neurocomputing</i> , 2020, 396, 172-178.	3.5	16
512	Balancing Value Iteration and Policy Iteration for Discrete-Time Control. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 3948-3958.	5.9	47
513	Event-Triggered Optimal Control With Performance Guarantees Using Adaptive Dynamic Programming. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020, 31, 76-88.	7.2	125
514	ADP-Based Online Tracking Control of Partially Uncertain Time-Delayed Nonlinear System and Application to Wheeled Mobile Robots. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 3182-3194.	6.2	44
515	GrHDP Solution for Optimal Consensus Control of Multiagent Discrete-Time Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 2362-2374.	5.9	41
516	Value Iteration-Based H^∞ Controller Design for Continuous-Time Nonlinear Systems Subject to Input Constraints. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 3986-3995.	5.9	25
517	Trust-Based Social Networks with Computing, Caching and Communications: A Deep Reinforcement Learning Approach. <i>IEEE Transactions on Network Science and Engineering</i> , 2020, 7, 66-79.	4.1	66
518	Self-Learning Optimal Regulation for Discrete-Time Nonlinear Systems Under Event-Driven Formulation. <i>IEEE Transactions on Automatic Control</i> , 2020, 65, 1272-1279.	3.6	148
519	Data-Based Online Optimal Temperature Tracking Control in Continuous Microwave Heating System by Adaptive Dynamic Programming. <i>Neural Processing Letters</i> , 2020, 51, 167-191.	2.0	11
520	A novel optimal bipartite consensus control scheme for unknown multi-agent systems via model-free reinforcement learning. <i>Applied Mathematics and Computation</i> , 2020, 369, 124821.	1.4	66
521	Online model-free controller for flexible wing aircraft: a policy iteration-based reinforcement learning approach. <i>International Journal of Intelligent Robotics and Applications</i> , 2020, 4, 21-43.	1.6	6
522	Data-Driven Output-Feedback LQ Secure Control for Unknown Cyber-Physical Systems Against Sparse Actuator Attacks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 5708-5720.	5.9	19
523	Reinforcement Learning-Based Optimal Stabilization for Unknown Nonlinear Systems Subject to Inputs With Uncertain Constraints. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020, 31, 4330-4340.	7.2	100
524	H^∞ Tracking Control of Discrete-Time System With Delays via Data-Based Adaptive Dynamic Programming. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 4078-4085.	5.9	40
525	Model-free Optimal Tracking Control for an Aircraft Skin Inspection Robot with Constrained-input and Input Time-delay via Integral Reinforcement Learning. <i>International Journal of Control, Automation and Systems</i> , 2020, 18, 245-257.	1.6	7
526	Multilayer perception based reinforcement learning supervisory control of energy systems with application to a nuclear steam supply system. <i>Applied Energy</i> , 2020, 259, 114193.	5.1	22
527	Neural H2 Control Using Reinforcement Learning for Unknown Nonlinear Systems. , 2020, , .		3
528	Data-based optimal coordination control of continuous-time nonlinear multi-agent systems via adaptive dynamic programming method. <i>Journal of the Franklin Institute</i> , 2020, 357, 10312-10328.	1.9	4

#	ARTICLE	IF	CITATIONS
529	Online policy iteration ADP-based attitude-tracking control for hypersonic vehicles. Aerospace Science and Technology, 2020, 106, 106233.	2.5	37
530	Fault tolerant tracking control for nonlinear systems with actuator failures through particle swarm optimization-based adaptive dynamic programming. Applied Soft Computing Journal, 2020, 97, 106766.	4.1	20
531	Convergence analysis of the deep neural networks based globalized dual heuristic programming. Automatica, 2020, 122, 109222.	3.0	9
532	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
533	Optimal Walking Assistance Control of Lower Limb Exoskeleton Using Adaptive Learning Approach. , 2020, , .		2
534	Mutual Learning: Part II –Reinforcement Learning. , 2020, , .		3
535	Adaptive dynamic programming-based decentralised control for large-scale nonlinear systems subject to mismatched interconnections with unknown time-delay. International Journal of Systems Science, 2020, 51, 2883-2898.	3.7	9
536	Data-Based Optimal Synchronization Control for Discrete-Time Nonlinear Heterogeneous Multiagent Systems. IEEE Transactions on Cybernetics, 2022, 52, 2477-2490.	6.2	10
537	Online Optimal Adaptive Control of a Class of Uncertain Nonlinear Discrete-time Systems. , 2020, , .		1
538	Understanding the mechanism of humanâ€“computer game: a distributed reinforcement learning perspective. International Journal of Systems Science, 2020, 51, 2837-2848.	3.7	4
539	Discrete-Time H_{∞} Neural Control Using Reinforcement Learning. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4879-4889.	7.2	15
540	A Parallel Framework of Adaptive Dynamic Programming Algorithm With Off-Policy Learning. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 3578-3587.	7.2	13
541	Robust Stabilization of a Class of Nonlinear Systems via Aperiodic Sensing and Actuation. IEEE Access, 2020, 8, 157403-157417.	2.6	5
542	Fault Tolerant Control Using Reinforcement Learning and Particle Swarm Optimization. IEEE Access, 2020, 8, 168802-168811.	2.6	12
543	Adaptive Dynamic Programming Based on Multi-dimensional Taylor Network for Time-Delay Nonlinear System with Uncertainties. , 2020, , .		0
544	An improved iterative computational approach to the solution of the Hamiltonâ€“Jacobi equation in optimal control problems of affine nonlinear systems with application. International Journal of Systems Science, 2020, 51, 2625-2634.	3.7	3
545	Neural H_{∞} Control Using Continuous-Time Reinforcement Learning. IEEE Transactions on Cybernetics, 2022, 52, 4485-4494.	6.2	23
546	Distributed Optimal Coordination Control for Continuous-Time Nonlinear Multi-Agent Systems With Input Constraints. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
547	Real-Time Optimal Operation Control of Micro Energy Grid Coupling With Electricity- Thermal -Gas Considering Prosumer Characteristics. IEEE Access, 2020, 8, 216566-216579.	2.6	5
548	Control of a Rotary Flexible Joint Experiment based on Reinforcement Learning. , 2020, , .		0
549	Off-policy based adaptive dynamic programming method for nonzero-sum games on discrete-time system. Journal of the Franklin Institute, 2020, 357, 8059-8081.	1.9	7
550	Diagonal recurrent neural network observer-based adaptive control for unknown nonlinear systems. Transactions of the Institute of Measurement and Control, 2020, 42, 2833-2856.	1.1	6
551	State and mode feedback control strategy for discrete-time Markovian jump linear systems with time-varying controllable mode transition probability matrix. International Journal of Robust and Nonlinear Control, 2020, 30, 3501-3519.	2.1	4
552	A Q-learning predictive control scheme with guaranteed stability. European Journal of Control, 2020, 56, 167-178.	1.6	8
553	Data-based composite control design with critic intelligence for a wastewater treatment platform. Artificial Intelligence Review, 2020, 53, 3773-3785.	9.7	13
554	From inverse optimal control to inverse reinforcement learning: A historical review. Annual Reviews in Control, 2020, 50, 119-138.	4.4	46
555	Data-based fault tolerant control for affine nonlinear systems through particle swarm optimized neural networks. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 954-964.	8.5	97
556	Data-Driven Nonlinear Near-Optimal Regulation Based on Multi-Dimensional Taylor Network Dynamic Programming. IEEE Access, 2020, 8, 36476-36484.	2.6	8
557	An Action Dependent Heuristic Dynamic Programming Approach for Algal Bloom Prediction With Time-Varying Parameters. IEEE Access, 2020, 8, 26235-26246.	2.6	5
558	Neuro-fuzzy inverse optimal control incorporating a multistep predictor as applied to T1DM patients. , 2020, , 1-24.		0
559	Online model-free reinforcement learning for the automatic control of a flexible wing aircraft. IET Control Theory and Applications, 2020, 14, 73-84.	1.2	13
560	Deterministic policy gradient adaptive dynamic programming for model-free optimal control. Neurocomputing, 2020, 387, 40-50.	3.5	38
561	Distributed Optimal Observer Design of Networked Systems via Adaptive Critic Design. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6976-6985.	5.9	4
562	H ∞ Control for Discrete-Time Multi-Player Systems via Off-Policy Q-Learning. IEEE Access, 2020, 8, 28831-28846.	2.6	3
563	Integrated adaptive dynamic programming for data-driven optimal controller design. Neurocomputing, 2020, 403, 143-152.	3.5	8
564	Optimal tracking control for non-zero-sum games of linear discrete-time systems via off-policy reinforcement learning. Optimal Control Applications and Methods, 2020, 41, 1233-1250.	1.3	9

#	ARTICLE	IF	CITATIONS
565	An Autonomous Path Controller in a System on Chip for Shrimp Robot. Electronics (Switzerland), 2020, 9, 441.	1.8	5
566	Optimal Transmission Power Scheduling of Networked Control Systems Via Fuzzy Adaptive Dynamic Programming. IEEE Transactions on Fuzzy Systems, 2021, 29, 1629-1639.	6.5	15
567	Real-time Neural Inverse Optimal Control for Low-Voltage Rid-Through enhancement of Double Fed Induction Generator based Wind Turbines. ISA Transactions, 2021, 113, 111-126.	3.1	4
568	Sliding-Mode Surface-Based Approximate Optimal Control for Uncertain Nonlinear Systems With Asymptotically Stable Critic Structure. IEEE Transactions on Cybernetics, 2021, 51, 2858-2869.	6.2	48
569	Model-Based Actor-Critic Learning for Optimal Tracking Control of Robots With Input Saturation. IEEE Transactions on Industrial Electronics, 2021, 68, 5046-5056.	5.2	14
570	Data-Driven Iterative Adaptive Critic Control Toward an Urban Wastewater Treatment Plant. IEEE Transactions on Industrial Electronics, 2021, 68, 7362-7369.	5.2	135
571	Generalized value iteration for discounted optimal control with stability analysis. Systems and Control Letters, 2021, 147, 104847.	1.3	35
572	Particle swarm optimized neural networks based local tracking control scheme of unknown nonlinear interconnected systems. Neural Networks, 2021, 134, 54-63.	3.3	27
573	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
574	Fault-Tolerant Optimal Control for Discrete-Time Nonlinear System Subjected to Input Saturation: A Dynamic Event-Triggered Approach. IEEE Transactions on Cybernetics, 2021, 51, 2956-2968.	6.2	42
575	Discrete-Time Non-Zero-Sum Games With Completely Unknown Dynamics. IEEE Transactions on Cybernetics, 2021, 51, 2929-2943.	6.2	45
576	Infinite time linear quadratic stackelberg game problem for unknown stochastic discrete-time systems via adaptive dynamic programming approach. Asian Journal of Control, 2021, 23, 937-948.	1.9	11
577	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
578	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
579	Further Results on Optimal Tracking Control for Nonlinear Systems With Nonzero Equilibrium via Adaptive Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 1900-1910.	7.2	16
580	Online Reinforcement Learning Control by Direct Heuristic Dynamic Programming: From Time-Driven to Event-Driven. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4139-4144.	7.2	5
581	A Nearer Optimal and Faster Trained Value Iteration ADP for Discrete-Time Nonlinear Systems. IEEE Access, 2021, 9, 14933-14944.	2.6	2
582	Data Driven State Reconstruction of Dynamical System Based on Approximate Dynamic Programming and Reinforcement Learning. IEEE Access, 2021, 9, 73299-73306.	2.6	2

#	ARTICLE	IF	CITATIONS
583	Event-Triggered ADP for Tracking Control of Partially Unknown Constrained Uncertain Systems. IEEE Transactions on Cybernetics, 2022, 52, 9001-9012.	6.2	55
584	Value iteration with deep neural networks for optimal control of input-affine nonlinear systems. SICE Journal of Control Measurement and System Integration, 2021, 14, 140-149.	0.4	0
585	Event-Triggered Near-Optimal Control of Discrete-Time Constrained Nonlinear Systems With Application to a Boiler-Turbine System. IEEE Transactions on Industrial Informatics, 2022, 18, 3926-3935.	7.2	29
586	Exploring the Landscapes and Emerging Trends of Reinforcement Learning from 1990 to 2020: A Bibliometric Analysis. Lecture Notes in Computer Science, 2021, , 365-377.	1.0	0
587	Mixed Density Methods for Approximate Dynamic Programming. Studies in Systems, Decision and Control, 2021, , 139-172.	0.8	1
588	Offline and Online Adaptive Critic Control Designs With Stability Guarantee Through Value Iteration. IEEE Transactions on Cybernetics, 2022, 52, 13262-13274.	6.2	26
589	Event-Triggered Control of Nonlinear Discrete-Time System With Unknown Dynamics Based on HDP. IEEE Transactions on Cybernetics, 2022, 52, 6046-6058.	6.2	44
590	A Novel Resilient Control Scheme for a Class of Markovian Jump Systems With Partially Unknown Information. IEEE Transactions on Cybernetics, 2022, 52, 8191-8200.	6.2	9
591	Broad Learning With Reinforcement Learning Signal Feedback: Theory and Applications. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 2952-2964.	7.2	16
592	Neuro-inspired Control. , 2021, , 1441-1447.		0
593	Adaptive Learning Based Output-Feedback Optimal Control of CT Two-Player Zero-Sum Games. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1437-1441.	2.2	9
594	Optimal Adaptive Control of Uncertain Nonlinear Continuous-Time Systems With Input and State Delays. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3195-3204.	7.2	7
595	Policy Gradient Adaptive Critic Designs for Model-Free Optimal Tracking Control With Experience Replay. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3692-3703.	5.9	28
596	Reinforcement Learning-Based Cooperative Optimal Output Regulation via Distributed Adaptive Internal Model. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 5229-5240.	7.2	36
598	Optimal control of nonlinear systems with dynamic programming. International Journal of Nonlinear Sciences and Numerical Simulation, 2021, 22, 145-168.	0.4	1
599	Event-triggered design for discrete-time nonlinear systems with control constraints. Nonlinear Dynamics, 2021, 103, 2645-2657.	2.7	12
600	Learning-based control for discrete-time constrained nonzero-sum games. CAAI Transactions on Intelligence Technology, 2021, 6, 203-213.	3.4	7
601	Large-scale dynamic system optimization using dual decomposition method with approximate dynamic programming. Systems and Control Letters, 2021, 150, 104894.	1.3	4

#	ARTICLE	IF	CITATIONS
602	Neural-Network-Based Control for Discrete-Time Nonlinear Systems with Input Saturation Under Stochastic Communication Protocol. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 766-778.	8.5	58
603	Distributed inverse optimal control for discrete-time nonlinear multi-agent systems. , 2021, , .		0
604	Event-triggered decentralized optimal fault tolerant control for mismatched interconnected nonlinear systems through adaptive dynamic programming. Optimal Control Applications and Methods, 2021, 42, 1365-1384.	1.3	13
605	Virtual guide automatic berthing control of marine ships based on heuristic dynamic programming iteration method. Neurocomputing, 2021, 437, 289-299.	3.5	14
606	Identification and optimal control of nonlinear systems using recurrent neural networks and reinforcement learning: An overview. Neurocomputing, 2021, 438, 145-154.	3.5	66
607	Intelligent Control of a Permanent Magnet DC Motor. , 2021, , .		0
608	A real-time tracking controller for piezoelectric actuators based on reinforcement learning and inverse compensation. Sustainable Cities and Society, 2021, 69, 102822.	5.1	9
609	Event-triggered optimal control for nonlinear stochastic systems via adaptive dynamic programming. Nonlinear Dynamics, 2021, 105, 387-401.	2.7	23
610	Neural-network-based stochastic linear quadratic optimal tracking control scheme for unknown discrete-time systems using adaptive dynamic programming. Control Theory and Technology, 2021, 19, 315-327.	1.0	3
611	Policy Iteration Algorithm for Constrained Cost Optimal Control of Discrete-Time Nonlinear System. , 2021, , .		0
612	A novel adaptive dynamic programming based on tracking error for nonlinear discrete-time systems. Automatica, 2021, 129, 109687.	3.0	61
613	Neural inverse optimal control applied to design therapeutic options for patients with COVID-19. , 2021, , .		3
614	Discounted near-optimal regulation of constrained nonlinear systems via generalized value iteration. International Journal of Robust and Nonlinear Control, 2021, 31, 8481-8503.	2.1	9
615	Treatment for T1DM patients by a neuro-fuzzy inverse optimal controller including multi-step prediction. ISA Transactions, 2021, , .	3.1	3
616	Event-triggered optimal tracking control of multiplayer unknown nonlinear systems via adaptive critic designs. International Journal of Robust and Nonlinear Control, 2022, 32, 29-51.	2.1	9
617	Distributed optimal control for continuous-time nonaffine nonlinear interconnected systems. International Journal of Control, 2022, 95, 3462-3476.	1.2	8
618	Reinforcement-Learning-Based Adaptive Optimal Flight Control with Output Feedback and Input Constraints. Journal of Guidance, Control, and Dynamics, 2021, 44, 1685-1691.	1.6	11
619	Neural control of an induction motor with regenerative braking as electric vehicle architecture. Engineering Applications of Artificial Intelligence, 2021, 104, 104275.	4.3	17

#	ARTICLE	IF	CITATIONS
620	Event-Triggered Optimized Control for Nonlinear Delayed Stochastic Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 3808-3821.	3.5	19
621	Adaptive-critic-based hybrid intelligent optimal tracking for a class of nonlinear discrete-time systems. Engineering Applications of Artificial Intelligence, 2021, 105, 104443.	4.3	18
622	Echo state network-based online optimal control for discrete-time nonlinear systems. Applied Mathematics and Computation, 2021, 409, 126324.	1.4	3
623	Neural optimal tracking control of constrained nonaffine systems with a wastewater treatment application. Neural Networks, 2021, 143, 121-132.	3.3	39
624	Distributed Inverse Optimal Control for Discrete-Time Nonlinear Multi-Agent Systems. , 2021, 5, 2096-2101.		9
625	Neural-network-based discounted optimal control via an integrated value iteration with accuracy guarantee. Neural Networks, 2021, 144, 176-186.	3.3	16
626	Optimal output synchronization of heterogeneous multi-agent systems using measured input-output data. Information Sciences, 2022, 582, 462-479.	4.0	21
627	Event-Triggered Optimal Parallel Tracking Control for Discrete-Time Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3772-3784.	5.9	43
628	Online Optimal Adaptive Control of Partially Uncertain Nonlinear Discrete-Time Systems Using Multilayer Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4840-4850.	7.2	5
629	Reinforcement Learning Control of Robotic Knee With Human-in-the-Loop by Flexible Policy Iteration. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 5873-5887.	7.2	19
630	Adaptive Optimal Control for Unknown Constrained Nonlinear Systems With a Novel Quasi-Model Network. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 2867-2878.	7.2	3
631	Event-Triggered Optimal Control for the Continuous Stirred Tank Reactor System. IEEE Transactions on Artificial Intelligence, 2022, 3, 228-237.	3.4	8
632	Policy Gradient Adaptive Critic Design With Dynamic Prioritized Experience Replay for Wastewater Treatment Process Control. IEEE Transactions on Industrial Informatics, 2022, 18, 3150-3158.	7.2	31
633	Data-based optimal tracking of autonomous nonlinear switching systems. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 227-238.	8.5	14
634	A Survey of Near-Optimal Control of Nonlinear Systems. Studies in Systems, Decision and Control, 2020, , 1-20.	0.8	4
637	Dynamic Optimization Using Analytic and Evolutionary Approaches: A Comparative Review. Intelligent Systems Reference Library, 2013, , 1-28.	1.0	5
638	Temperature Control in Water-Gas Shift Reaction with Adaptive Dynamic Programming. Lecture Notes in Computer Science, 2012, , 478-487.	1.0	3
639	An Improved Method in Receding Horizon Control with Updating of Terminal Cost Function. , 2009, , 365-393.		5

#	ARTICLE	IF	CITATIONS
640	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
641	Approximate Dynamic Programming with Gaussian Processes for Optimal Control of Continuous-Time Nonlinear Systems. <i>IFAC-PapersOnLine</i> , 2020, 53, 6715-6722.	0.5	1
642	A New Powered Lower Limb Prosthesis Control Framework Based on Adaptive Dynamic Programming. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017, 28, 2215-2220.	7.2	63
643	Model-Free Reinforcement Learning by Embedding an Auxiliary System for Optimal Control of Nonlinear Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 1520-1534.	7.2	8
644	Data-based Optimal Control for Discrete-time Zero-sum Games of 2-D Systems Using Adaptive Critic Designs. <i>Zidonghua Xuebao/Acta Automatica Sinica</i> , 2009, 35, 682-692.	0.3	16
645	An Optimal Control Scheme for a Class of Discrete-time Nonlinear Systems with Time Delays Using Adaptive Dynamic Programming. <i>Zidonghua Xuebao/Acta Automatica Sinica</i> , 2010, 36, 121-129.	0.3	49
646	A Novel Approach to Control of Autonomous Microgrid Systems. <i>International Journal of Energy Engineering</i> , 2015, , 125-136.	0.3	7
647	Data-Based Iterative DHP Optimal Tracking Control with a Wastewater Treatment Application. , 2021, , .		0
648	Fault Diagnosis for Underactuated Surface Vessel. , 2021, , .		0
649	Learning-based T -HDP() for optimal control of a class of nonlinear discrete-time systems. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 2624-2643.	2.1	4
650	Neural-network-based control for discrete-time nonlinear systems with denial-of-service attack: The adaptive event-triggered case. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 2760-2779.	2.1	88
651	Optimal control of Markovian jump systems via a neural network-based ADP iterative algorithm. <i>Neurocomputing</i> , 2022, 468, 441-451.	3.5	3
652	Event-triggered constrained control using explainable global dual heuristic programming for nonlinear discrete-time systems. <i>Neurocomputing</i> , 2022, 468, 452-463.	3.5	5
653	PH Optimal Control in the Clarifying Process of Sugar Cane Juice Based on DHP. <i>Lecture Notes in Computer Science</i> , 2010, , 301-308.	1.0	0
654	Finite-Horizon Optimal Control Using Neural Networks with an Application to Orbit Transfer Problems. , 2011, , .		0
655	Intelligent Constrained Optimal Control of Aerospace Vehicles with Model Uncertainties. , 2012, , 59-90.		0
656	Adaptive Learning in Continuous Environment Using Actor-Critic Design and Echo-State Networks. <i>Lecture Notes in Computer Science</i> , 2012, , 320-329.	1.0	1
657	Learning Control of Dynamical Systems Based on Markov Decision Processes: Research Frontiers and Outlooks. <i>Zidonghua Xuebao/Acta Automatica Sinica</i> , 2012, 38, 673-687.	0.3	2

#	ARTICLE	IF	CITATIONS
658	Several Special Optimal Feedback Control Designs Based on ADP. Communications and Control Engineering, 2013, , 257-307.	1.0	0
660	Graphical Games: Distributed Multiplayer Games on Graphs. Communications and Control Engineering, 2014, , 181-217.	1.0	1
661	A New Discrete-Time Iterative Adaptive Dynamic Programming Algorithm Based on Q-Learning. Lecture Notes in Computer Science, 2015, , 43-52.	1.0	0
662	Neural Control for a Differential Drive Wheeled Mobile Robot Integrating Stereo Vision Feedback. Computacion Y Sistemas, 2015, 19, .	0.2	5
663	Joint Optimization of Thermostatically Controlled Appliance and Electric Vehicle Based on Adaptive Dynamic Programming. , 2016, , .		0
665	Principle of Adaptive Dynamic Programming. Studies in Systems, Decision and Control, 2018, , 1-17.	0.8	0
666	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
667	Nonlinear Neuro-Optimal Tracking Control via Stable Iterative Q-Learning Algorithm. Studies in Systems, Decision and Control, 2018, , 111-131.	0.8	2
668	Intelligent optimal control for simultaneous attack problem. , 2017, , .		0
669	Approximate Dynamic Programming for Large-scale Unit Commitment Problems. DEStech Transactions on Environment Energy and Earth Science, 2018, , .	0.0	2
670	Optimal Controls for Dual-Driven Load System with Synchronously Approximate Dynamic Programming Method. Lecture Notes in Electrical Engineering, 2019, , 319-327.	0.3	0
671	Off-Policy Neuro-Optimal Control for Unknown Complex-Valued Nonlinear Systems. Studies in Systems, Decision and Control, 2019, , 113-126.	0.8	1
672	Data-driven Nonlinear MIMO ADP Method and Its Application in PMSM Control. International Journal of Scientific Research in Science, Engineering and Technology, 2019, , 175-186.	0.1	0
673	A Study on Numerical Solutions of Hamilton-Jacobi-Bellman Equations Based on Successive Approximation Approach. SICE Journal of Control Measurement and System Integration, 2020, 13, 157-163.	0.4	1
674	On-policy Approximate Dynamic Programming for Optimal Control of non-linear systems. , 2020, , .		0
675	Online and hard constrained adaptive dynamic programming algorithm for energy storage control in smart buildings. Optimal Control Applications and Methods, 2023, 44, 1074-1091.	1.3	2
676	Adaptive dynamic programming for nonaffine nonlinear optimal control problem with state constraints. Neurocomputing, 2022, 484, 128-141.	3.5	33
678	Fast numerical solution of optimal control problems for switched systems: An application to path planning. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
679	Temperatrue Control of Microwave Heating System by Adaptive Dynamic Programming. , 2020, , .		2
680	Mutual Q-learning. , 2020, , .		3
681	Observer-Based Adaptive Synchronization Control of Unknown Discrete-Time Nonlinear Heterogeneous Systems. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 681-693.	7.2	9
682	Mixed Driven Iterative Adaptive Critic Control Design Towards Nonaffine Discrete-Time Plants. IFAC-PapersOnLine, 2020, 53, 3803-3808.	0.5	2
683	Tuning heuristics and convergence analysis of reinforcement learning algorithm for online data-based optimal control design. Research, Society and Development, 2020, 9, e188922128.	0.0	2
684	Safe Curriculum Learning for Optimal Flight Control of Unmanned Aerial Vehicles with Uncertain System Dynamics. , 2020, , .		0
685	A Hybrid Adaptive Control Architecture for Grid-Connected Inverter With Optimal Policy Generation. IEEE Transactions on Industry Applications, 2022, 58, 855-867.	3.3	4
686	Intermittent Event-Triggered Optimal Leader-Following Consensus for Nonlinear Multi-Agent Systems Via Actor-Critic Algorithm. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3992-4006.	7.2	10
687	Event-triggered optimal control for discrete-time multi-player non-zero-sum games using parallel control. Information Sciences, 2022, 584, 519-535.	4.0	14
688	Improved Adaptive Critic for Neural Optimal Control of Constrained Nonlinear Discrete-Time Systems. , 2020, , .		0
689	Value-Iteration-Based Neuro-Optimal Tracking Control for Affine Systems with Completely Unknown Dynamics. , 2020, , .		5
691	Model-Free Off-Policy Iterative Adaptive Dynamic Programming for Nitrate-Nitrogen Concentration Control. , 2021, , .		0
692	Generalized Policy Iteration-based Reinforcement Learning Algorithm for Optimal Control of Unknown Discrete-time Systems. , 2021, , .		0
693	Neural Network Tracking Controls of SCARA Manipulator System. , 2021, , .		2
694	Online Optimal Control of Discrete-Time Systems Based on Globalized Dual Heuristic Programming with Eligibility Traces. , 2021, , .		3
695	A Lyapunov-based version of the value iteration algorithm formulated as a discrete-time switched affine system. International Journal of Control, 0, , 1-16.	1.2	1
696	Adaptive critic designs for decentralised robust control of nonlinear interconnected systems via event-triggering mechanism. International Journal of Systems Science, 2022, 53, 1031-1047.	3.7	1
697	Stabilization and optimization of discrete-time Markovian jump linear systems via mode feedback control. IEEE Transactions on Automatic Control, 2021, , 1-1.	3.6	5

#	ARTICLE	IF	CITATIONS
698	Distributed Cooperative Neural Inverse Optimal Control of Microgrids for Island and Grid-Connected Operations. IEEE Transactions on Smart Grid, 2022, 13, 928-940.	6.2	5
699	Adaptive Critic for Event-Triggered Unknown Nonlinear Optimal Tracking Design With Wastewater Treatment Applications. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 6276-6288.	7.2	24
700	Real-Time Leak Location of Long-Distance Pipeline Using Adaptive Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2021, PP, 1-10.	7.2	6
701	Multi-H ∞ 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
702	Neuro-Optimal Trajectory Tracking With Value Iteration of Discrete-Time Nonlinear Dynamics. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 4237-4248.	7.2	12
703	Optimal operation of multi-micro energy grids under distribution network in Southwest China. Applied Energy, 2022, 309, 118461.	5.1	8
704	Value iteration and adaptive optimal output regulation with assured convergence rate. Control Engineering Practice, 2022, 121, 105042.	3.2	76
705	Zero-sum Neuro-optimal Control of Modular and Reconfigurable Robots with External Collisions via Critic Only Policy Iteration. , 2020, , .		0
706	Parallel control for optimal tracking via adaptive dynamic programming. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 1662-1674.	8.5	80
707	A Novel Value Iteration Scheme With Adjustable Convergence Rate. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 7430-7442.	7.2	15
708	The intelligent critic framework for advanced optimal control. Artificial Intelligence Review, 2022, 55, 1-22.	9.7	131
709	Goal representation adaptive critic design for discrete-time uncertain systems subjected to input constraints: The event-triggered case. Neurocomputing, 2022, 492, 676-688.	3.5	19
710	Tracking Control for a Quadrotor via Dynamic Surface Control and Adaptive Dynamic Programming. International Journal of Control, Automation and Systems, 2022, 20, 349-363.	1.6	9
711	Indirect Shared Control Through Non-Zero Sum Differential Game for Cooperative Automated Driving. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15980-15992.	4.7	14
713	Stability and Admissibility Analysis for Zero-Sum Games Under General Value Iteration Formulation. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 8707-8718.	7.2	8
714	Data-Based Output Synchronization of Multi-Agent Systems With Actuator Faults. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 11013-11020.	7.2	4
715	Quantized optimal output feedback control and optimal triggering signal co ϵ design for unknown discrete ϵ -time nonlinear systems. Optimal Control Applications and Methods, 2022, 43, 962-978.	1.3	2
716	Optimal Operation for Reduced Energy Consumption of an Air Conditioning System Using Neural Inverse Optimal Control. Mathematics, 2022, 10, 695.	1.1	1

#	ARTICLE	IF	CITATIONS
717	Event-triggered-based adaptive dynamic programming for distributed formation control of multi-UAV. Journal of the Franklin Institute, 2022, 359, 3671-3691.	1.9	33
718	Off-Policy: Model-Free Optimal Synchronization Control for Complex Dynamical Networks. Neural Processing Letters, 2022, 54, 2941-2958.	2.0	1
719	A gradient-based algorithm for non-smooth constrained optimization problems governed by discrete-time nonlinear equations with application to long-term hydrothermal optimal scheduling control. Journal of Computational and Applied Mathematics, 2022, , 114335.	1.1	1
720	Human-behavior learning: A new complementary learning perspective for optimal decision making controllers. Neurocomputing, 2022, 489, 157-166.	3.5	7
721	An axis extract method for rotational parts based on point cloud normal lines. , 2021, , .		1
722	A New Constrained Cost Value Iteration for Optimal Control of Discrete-Time Nonlinear Systems. , 2021, , .		0
723	Self-Learning Optimal Control with Performance Analysis using Event-Triggered Adaptive Dynamic Programming. , 2021, , .		1
724	An inertia wheel pendulum control method based on actor-critic learning algorithm. , 2021, , .		0
725	Parallel Control-Based Event-Triggered Optimal Control for Constrained Discrete-Time Nonlinear Systems. , 2021, , .		0
726	Event-Triggered Intelligent Critic Design for Constrained Nonaffine Nonzero-Sum Games. , 2021, , .		0
727	PID Parameter Tuning Based On Adaptive Dynamic Programming. , 2021, , .		0
728	Adaptive Observer-Based Inverse Optimal Control of a Class of Second-Order Euler-Lagrange Systems. , 2021, , .		0
729	Hybrid Reinforcement Learning for Optimal Control of Non-Linear Switching System. IEEE Transactions on Neural Networks and Learning Systems, 2022, PP, 1-10.	7.2	3
730	Receding-Horizon Reinforcement Learning Approach for Kinodynamic Motion Planning of Autonomous Vehicles. IEEE Transactions on Intelligent Vehicles, 2022, 7, 556-568.	9.4	20
731	Model-free event-triggered optimal control with performance guarantees via goal representation heuristic dynamic programming. Nonlinear Dynamics, 0, , 1.	2.7	4
732	Trajectory Tracking Control for Under-Actuated Hovercraft Using Differential Flatness and Reinforcement Learning-Based Active Disturbance Rejection Control. Journal of Systems Science and Complexity, 2022, 35, 502-521.	1.6	11
733	Event-Triggered Near-Optimal Control for Unknown Discrete-Time Nonlinear Systems Using Parallel Control. IEEE Transactions on Cybernetics, 2023, 53, 1890-1904.	6.2	17
734	Control-based drug tailoring schemes towards personalized influenza treatment. , 2022, , 109-128.		0

#	ARTICLE	IF	CITATIONS
735	Adaptive Dynamic Programming-Based Cooperative Motion/Force Control for Modular Reconfigurable Manipulators: A Joint Task Assignment Approach. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 10944-10954.	7.2	19
736	Costate-Supplement ADP for Model-Free Optimal Control of Discrete-Time Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 45-59.	7.2	4
737	Dual ML-ADHDP method for heterogeneous discrete-time nonlinear multi-agent systems with unknown dynamics and time delay. Journal of the Franklin Institute, 2022, 359, 5634-5657.	1.9	2
738	Neural network-based flight control systems: Present and future. Annual Reviews in Control, 2022, 53, 97-137.	4.4	20
739	Optimized tracking control based on reinforcement learning for a class of high-order unknown nonlinear dynamic systems. Information Sciences, 2022, 606, 368-379.	4.0	10
740	Model-Free Optimal Tracking Control of Nonlinear Input-Affine Discrete-Time Systems via an Iterative Deterministic Q-Learning Algorithm. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 999-1012.	7.2	12
741	Value Iteration-based affine nonlinear optimal control involving admissibility discussion. International Journal of Robust and Nonlinear Control, 2022, 32, 7290-7303.	2.1	6
742	Adaptive Dynamic Programming and Its Application to Economic Dispatch in Microgrid: A Brief Overview. Journal of Advances in Applied & Computational Mathematics, 0, 9, 13-31.	0.1	1
744	Event-triggered-based cooperative game optimal tracking control for modular robot manipulator with constrained input. Nonlinear Dynamics, 2022, 109, 2759-2779.	2.7	7
745	Optimal output tracking control of linear discrete-time systems with unknown dynamics by adaptive dynamic programming and output feedback. International Journal of Systems Science, 2022, 53, 3426-3448.	3.7	2
746	Discounted Iterative Adaptive Critic Designs With Novel Stability Analysis for Tracking Control. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 1262-1272.	8.5	72
747	Novel optimal trajectory tracking for nonlinear affine systems with an advanced critic learning structure. Neural Networks, 2022, 154, 131-140.	3.3	1
748	Multi-agent differential game based cooperative synchronization control using a data-driven method. Frontiers of Information Technology and Electronic Engineering, 2022, 23, 1043-1056.	1.5	5
749	An event-triggered neural critic technique for nonzero-sum game design with control constraints. International Journal of Systems Science, 2023, 54, 237-250.	3.7	1
750	Monte Carlo-based reinforcement learning control for unmanned aerial vehicle systems. Neurocomputing, 2022, 507, 282-291.	3.5	4
752	Convergence of Dynamic Programming on the Semidefinite Cone for Discrete-Time Infinite-Horizon LQR. IEEE Transactions on Automatic Control, 2022, 67, 5661-5668.	3.6	1
753	Neural network-based event-triggered integral reinforcement learning for constrained tracking control with experience replay. Neurocomputing, 2022, 513, 25-35.	3.5	6
754	Decentralized Scheduling and Dynamic Pricing for Edge Computing: A Mean Field Game Approach. IEEE/ACM Transactions on Networking, 2023, 31, 965-978.	2.6	1

#	ARTICLE	IF	CITATIONS
755	Regulation with Guaranteed Convergence Rate for Continuous-Time Systems with Completely Unknown Dynamics in the Presence of Disturbance. IEEE Access, 2022, , 1-1.	2.6	0
756	Model-Based Policy Iterations for Nonlinear Systems via Controlled Hamiltonian Dynamics. IEEE Transactions on Automatic Control, 2023, 68, 2683-2698.	3.6	2
757	Nearly Optimal Control for Mixed Zero-Sum Game Based on Off-Policy Integral Reinforcement Learning. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 2793-2804.	7.2	2
758	Supplementary Control for Quantized Discrete-Time Nonlinear Systems Under Goal Representation Heuristic Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 3202-3214.	7.2	7
759	Online Adaptive Optimal Control Algorithm of a Partial Unknown System with Adding Experience Replay and Safety Check. Lecture Notes in Electrical Engineering, 2022, , 681-696.	0.3	0
760	A note on diagnosis and performance degradation detection in automatic control systems towards functional safety and cyber security. , 2022, 1, 2022004.		0
761	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
762	Adaptive optimal tracking control with novel event-triggered formulation for a type of nonlinear systems. International Journal of Adaptive Control and Signal Processing, 2022, 36, 3004-3022.	2.3	2
763	Multi-event-triggered adaptive critic control with guaranteed cost for discrete-time nonlinear nonzero-sum games. International Journal of Robust and Nonlinear Control, 2022, 32, 10292-10308.	2.1	3
764	Learning-Based N-Step Heuristic Dynamic Programming for Affine Nonlinear Optimal Regulation. , 2022, , .		0
765	Event-Based Approximate Neuro-Optimal Tracking Control Design Involving a Wastewater Treatment Application. , 2022, , .		1
766	Model-based and Model-free Optimal Control of Biomechanical SIP Model. , 2022, , .		2
767	Adaptive learning control for triggered switched systems based on unknown direction control gain function. International Journal of Control, 2024, 97, 175-186.	1.2	1
768	Optimal decision strategy for discrete-time Markovian jump linear systems. International Journal of Systems Science, 2023, 54, 565-582.	3.7	1
769	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
770	Region-based approximation in approximate dynamic programming. International Journal of Control, 2024, 97, 306-315.	1.2	0
771	Optimal consensus of a class of discrete-time linear multi-agent systems via value iteration with guaranteed admissibility. Neurocomputing, 2023, 516, 1-10.	3.5	5
772	Optimal design of a driver assistance controller based on surrounding vehicle's social behavior game model. Applied Mathematical Modelling, 2023, 114, 646-670.	2.2	3

#	ARTICLE	IF	CITATIONS
773	Distributed Mechanism Design in Continuous Space for Federated Learning Over Vehicular Networks. IEEE Transactions on Vehicular Technology, 2023, 72, 4196-4206.	3.9	1
774	Online Pricing Incentive to Sample Fresh Information. IEEE Transactions on Network Science and Engineering, 2023, 10, 514-526.	4.1	0
775	Hybrid Q-learning for data-based optimal control of non-linear switching system. Journal of Systems Engineering and Electronics, 2022, 33, 1186-1194.	1.1	0
776	Variants of Bellman equation on reinforcement learning problems. , 2022, , .		1
777	Discounted Near-Optimal Control of Affine Systems via a Progressive Cost Evolution Formulation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2023, 70, 1535-1539.	2.2	2
778	Pinning consensus control for switched multi-agent systems: A switched adaptive dynamic programming method. Nonlinear Analysis: Hybrid Systems, 2023, 48, 101319.	2.1	2
779	Finite-Horizon Robust Event-Triggered Control for Nonlinear Multi-agent Systems with State Delay. Neural Processing Letters, 0, , .	2.0	0
780	Hippocampus experience inference for safety critical control of unknown multi-agent linear systems. ISA Transactions, 2023, 137, 646-655.	3.1	1
781	Trilayer Stackelberg game for nonlinear systems using adaptive dynamic programming. Journal of the Franklin Institute, 2023, 360, 1523-1539.	1.9	1
782	Economic Dispatch for Smart Buildings with Load Demand of High Volatility Based on Quasi-Quadratic Online Adaptive Dynamic Programming. Mathematics, 2022, 10, 4701.	1.1	1
783	Optimal Control of Nonlinear Systems Using Experience Inference Human-Behavior Learning. IEEE/CAA Journal of Automatica Sinica, 2023, 10, 90-102.	8.5	6
784	Optimal Drug Dosage Control Strategy of Immune Systems Using Reinforcement Learning. IEEE Access, 2023, 11, 1269-1279.	2.6	0
785	Optimal Adaptive Output Regulation of Uncertain Nonlinear Discrete-time Systems using Lifelong Concurrent Learning. , 2022, , .		4
786	Optimal trajectory tracking control for a class of nonlinear nonaffine systems via generalized Nâ€step value gradient learning. International Journal of Robust and Nonlinear Control, 2023, 33, 3471-3490.	2.1	5
787	Approximate infinite-horizon predictive control. , 2022, , .		0
788	A Survey on Reinforcement Learning based Adaptive Optimal Control Design. , 2022, , .		0
789	Adaptive Dynamic Programming for Networked Control Systems Under Communication Constraints: A Survey of Trends and Techniques. , 0, , 85-98.		57
790	Impulsive Neural Control to Schedule Antivirals and Immunomodulators for COVID-19. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
791	Data-Driven Hybrid Intelligent Optimal Tracking Design with Industrial Applications. , 2023, , 241-270.		0
792	On the Critic Intelligence for Discrete-Time Advanced Optimal Control Design. , 2023, , 1-28.		0
793	Near-Optimal Regulation with Asymmetric Constraints via Generalized Value Iteration. , 2023, , 89-117.		0
794	Iterative Adaptive Critic Control Towards an Urban Wastewater Treatment Plant. , 2023, , 197-217.		0
795	Adaptive Critic with Improved Cost for Discounted Tracking and Novel Stability Proof. , 2023, , 173-196.		0
796	Constrained-Cost Adaptive Dynamic Programming for Optimal Control of Discrete-Time Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 3251-3264.	7.2	2
797	Self-Learning Optimal Regulation with Event-Driven Iterative Adaptive Critic. , 2023, , 53-88.		0
798	Nonaffine Neuro-Optimal Tracking Control with Accuracy and Stability Guarantee. , 2023, , 119-145.		0
799	Data-Driven Optimal Trajectory Tracking via a Novel Self-Learning Approach. , 2023, , 147-171.		0
800	Event-Triggered Adaptive Optimal Regulation of Constrained Affine Systems. , 2023, , 29-52.		0
801	Approximate Optimal Tracking Control for a Class of Discrete-time Nonlinear Systems based on GDHP Iterative Algorithm. , 2022, , .		0
802	Event-triggered near-optimal tracking control based on adaptive dynamic programming for discrete-time systems. Neurocomputing, 2023, 537, 187-197.	3.5	3
803	Reward inference of discrete-time expert's controllers: A complementary learning approach. Information Sciences, 2023, 631, 396-411.	4.0	3
804	Data-driven tracking control design with reinforcement learning involving a wastewater treatment application. Engineering Applications of Artificial Intelligence, 2023, 123, 106242.	4.3	3
805	Event-based online learning control design with eligibility trace for discrete-time unknown nonlinear systems. Engineering Applications of Artificial Intelligence, 2023, 123, 106240.	4.3	1
806	On Model Identification Based Optimal Control and Its Applications to Multi-Agent Learning and Control. Mathematics, 2023, 11, 906.	1.1	26
807	Value Iteration and Data-Driven Optimal Output Regulation of Linear Continuous-Time Systems. , 2022, , .		0
808	Online actor-critic algorithm to solve the approximate optimal adaptive control of continuous-time system with state delay. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
809	Reinforcement Learning Control With Knowledge Shaping. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 3156-3167.	7.2	1
810	State of the Art of Adaptive Dynamic Programming and Reinforcement Learning. , 2022, 1, 93-110.		2
811	Event-Triggered Optimal Tracking Control Design With DHP Formulation for Discrete-Time Nonlinear Nonzero-Sum Games. , 2022, , .		0
812	Adaptive Optimal Flight Control for a Fixed-wing Unmanned Aerial Vehicle using Incremental Value Iteration. , 2023, , .		0
813	Process Proportional-Integral PI Control with Deep Reinforcement Learning. , 2023, , .		0
818	Synthesis of a Feedback Controller by the Network Operator Method for a Mobile Robot Rosbot in Gazebo Environment. , 0, , .		0
825	GrAVITree: Graph-based Approximate Value Function In a Tree. , 2023, , .		0
828	\$\$\$H_{\infty}\$ Control Using Reinforcement Learning. Advances in Industrial Control, 2023, , 11-63.	0.4	0
832	Design of Dissolved Oxygen Online Controller Based on Adaptive Dynamic Programming Theory. Communications in Computer and Information Science, 2023, , 47-61.	0.4	0
835	Incremental Generalized Policy Iteration for Adaptive Attitude Tracking Control of a Spacecraft. , 2023, , .		0
841	Anti-disturbance Optimal Control of Nonlinear Systems Based on Multi-source Disturbances. , 2023, , .		0
842	Optimal Scaled Average Consensus Control of Discrete-Time Multi-Agent Systems Based on Adaptive Dynamic Programming. , 2023, , .		0
845	Multiplayer Stackelberg-Nash Game for Discrete-Time Nonlinear System. Lecture Notes in Electrical Engineering, 2023, , 727-742.	0.3	0
849	Adaptive Dynamic Programming-Based Active Disturbance Rejection Control for Autonomous Vehicle Tracking. , 2023, , .		0
856	Data-Driven Optimal Control for Lateral Stability of Vehicle in Straight-Line Driving via Adaptive Dynamic Programming. , 2023, , .		0
857	Quantisation Effects in Adversarial Cyber-Physical Games. Lecture Notes in Computer Science, 2023, , 153-171.	1.0	0