

Derong Liu

List of Publications by Year in descending order

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531
papers

20,749
citations

6254

80
h-index

12946

131
g-index

575
all docs

575
docs citations

575
times ranked

6433
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive Dynamic Programming: An Introduction. IEEE Computational Intelligence Magazine, 2009, 4, 39-47.	3.2	711
2	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.	4.2	567
3	Policy Iteration Adaptive Dynamic Programming Algorithm for Discrete-Time Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 621-634.	11.3	547
4	A Comprehensive Review of Stability Analysis of Continuous-Time Recurrent Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1229-1262.	11.3	528
5	An iterative adaptive dynamic programming method for solving a class of nonlinear zero-sum differential games. Automatica, 2011, 47, 207-214.	5.0	373
6	Optimal control of unknown nonaffine nonlinear discrete-time systems based on adaptive dynamic programming. Automatica, 2012, 48, 1825-1832.	5.0	354
7	Value Iteration Adaptive Dynamic Programming for Optimal Control of Discrete-Time Nonlinear Systems. IEEE Transactions on Cybernetics, 2016, 46, 840-853.	9.5	339
8	Global Asymptotic Stability of Recurrent Neural Networks With Multiple Time-Varying Delays. IEEE Transactions on Neural Networks, 2008, 19, 855-873.	4.2	313
9	Reinforcement-Learning-Based Robust Controller Design for Continuous-Time Uncertain Nonlinear Systems Subject to Input Constraints. IEEE Transactions on Cybernetics, 2015, 45, 1372-1385.	9.5	291
10	Adaptive Critic Nonlinear Robust Control: A Survey. IEEE Transactions on Cybernetics, 2017, 47, 3429-3451.	9.5	287
11	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.	11.3	283
12	Adaptive Dynamic Programming for Control: A Survey and Recent Advances. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 142-160.	9.3	280
13	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.	4.2	279
14	Adaptive Dynamic Programming with Applications in Optimal Control. Advances in Industrial Control, 2017, , .	0.5	259
15	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.	9.5	253
16	Finite-Approximation-Error-Based Optimal Control Approach for Discrete-Time Nonlinear Systems. IEEE Transactions on Cybernetics, 2013, 43, 779-789.	9.5	252
17	Model-Free Optimal Tracking Control via Critic-Only Q-Learning. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2134-2144.	11.3	245
18	Data-based approximate policy iteration for affine nonlinear continuous-time optimal control design. Automatica, 2014, 50, 3281-3290.	5.0	228

#	ARTICLE	IF	CITATIONS
19	Online Synchronous Approximate Optimal Learning Algorithm for Multi-Player Non-Zero-Sum Games With Unknown Dynamics. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 1015-1027.	9.3	204
20	Finite-horizon neuro-optimal tracking control for a class of discrete-time nonlinear systems using adaptive dynamic programming approach. Neurocomputing, 2012, 78, 14-22.	5.9	203
21	Residential energy scheduling for variable weather solar energy based on adaptive dynamic programming. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 36-46.	13.1	197
22	Adaptive Dynamic Programming for Control. Communications and Control Engineering, 2013, , .	1.6	192
23	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.	5.2	188
24	Policy Iteration Algorithm for Online Design of Robust Control for a Class of Continuous-Time Nonlinear Systems. IEEE Transactions on Automation Science and Engineering, 2014, 11, 627-632.	5.2	187
25	A novel dual iterative Q-learning method for optimal battery management in smart residential environments. IEEE Transactions on Industrial Electronics, 2015, 62, 2509-2518.	7.9	183
26	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.	9.3	180
27	Finite-Approximation-Error-Based Discrete-Time Iterative Adaptive Dynamic Programming. IEEE Transactions on Cybernetics, 2014, 44, 2820-2833.	9.5	176
28	Data-Driven Neuro-Optimal Temperature Control of Water-Gas Shift Reaction Using Stable Iterative Adaptive Dynamic Programming. IEEE Transactions on Industrial Electronics, 2014, 61, 6399-6408.	7.9	166
29	Neural-network-based zero-sum game for discrete-time nonlinear systems via iterative adaptive dynamic programming algorithm. Neurocomputing, 2013, 110, 92-100.	5.9	163
30	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.	5.2	161
31	Delay-Dependent Guaranteed Cost Control for Uncertain Stochastic Fuzzy Systems With Multiple Time Delays. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 126-140.	5.0	160
32	Reinforcement learning for adaptive optimal control of unknown continuous-time nonlinear systems with input constraints. International Journal of Control, 2014, 87, 553-566.	1.9	159
33	Optimal constrained self-learning battery sequential management in microgrid via adaptive dynamic programming. IEEE/CAA Journal of Automatica Sinica, 2017, 4, 168-176.	13.1	150
34	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.	5.2	145
35	Policy Gradient Adaptive Dynamic Programming for Data-Based Optimal Control. IEEE Transactions on Cybernetics, 2017, 47, 3341-3354.	9.5	145
36	A Self-Learning Call Admission Control Scheme for CDMA Cellular Networks. IEEE Transactions on Neural Networks, 2005, 16, 1219-1228.	4.2	143

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37	Infinite Horizon Self-Learning Optimal Control of Nonaffine Discrete-Time Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 866-879.	11.3	135
38	Neural-network-based robust optimal control design for a class of uncertain nonlinear systems via adaptive dynamic programming. Information Sciences, 2014, 282, 167-179.	6.9	133
39	Mixed Iterative Adaptive Dynamic Programming for Optimal Battery Energy Control in Smart Residential Microgrids. IEEE Transactions on Industrial Electronics, 2017, 64, 4110-4120.	7.9	131
40	Fuzzy H_∞ Filter Design for a Class of Nonlinear Discrete-Time Systems With Multiple Time Delays. IEEE Transactions on Fuzzy Systems, 2007, 15, 453-469.	9.8	130
41	Adaptive Critic Learning Techniques for Engine Torque and Air-Fuel Ratio Control. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 988-993.	5.0	130
42	Event-Triggered Decentralized Tracking Control of Modular Reconfigurable Robots Through Adaptive Dynamic Programming. IEEE Transactions on Industrial Electronics, 2020, 67, 3054-3064.	7.9	130
43	Taguchi Method for Solving the Economic Dispatch Problem With Nonsmooth Cost Functions. IEEE Transactions on Power Systems, 2005, 20, 2006-2014.	6.5	129
44	Neural-Network-Based Distributed Adaptive Robust Control for a Class of Nonlinear Multiagent Systems With Time Delays and External Noises. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 750-758.	9.3	129
45	Intelligent Optimal Control With Critic Learning for a Nonlinear Overhead Crane System. IEEE Transactions on Industrial Informatics, 2018, 14, 2932-2940.	11.3	129
46	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.	9.3	129
47	Action dependent heuristic dynamic programming for home energy resource scheduling. International Journal of Electrical Power and Energy Systems, 2013, 48, 148-160.	5.5	128
48	An Approximate Optimal Control Approach for Robust Stabilization of a Class of Discrete-Time Nonlinear Systems With Uncertainties. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 713-717.	9.3	128
49	Event-Triggered Optimal Control With Performance Guarantees Using Adaptive Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 76-88.	11.3	125
50	Adaptive Dynamic Programming for Discrete-Time Zero-Sum Games. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 957-969.	11.3	123
51	Discrete-Time Local Value Iteration Adaptive Dynamic Programming: Convergence Analysis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 875-891.	9.3	121
52	A Novel Iterative θ -Adaptive Dynamic Programming for Discrete-Time Nonlinear Systems. IEEE Transactions on Automation Science and Engineering, 2014, 11, 1176-1190.	5.2	120
53	Neural-network-based online optimal control for uncertain nonlinear continuous-time systems with control constraints. IET Control Theory and Applications, 2013, 7, 2037-2047.	2.1	119
54	Neural-network-observer-based optimal control for unknown nonlinear systems using adaptive dynamic programming. International Journal of Control, 2013, 86, 1554-1566.	1.9	116

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55	An iterative adaptive dynamic programming algorithm for optimal control of unknown discrete-time nonlinear systems with constrained inputs. <i>Information Sciences</i> , 2013, 220, 331-342.	6.9	115
56	Robust Stability Analysis for Interval Cohen–Grossberg Neural Networks With Unknown Time-Varying Delays. <i>IEEE Transactions on Neural Networks</i> , 2008, 19, 1942-1955.	4.2	112
57	Optimal control for discrete-time affine non-linear systems using general value iteration. <i>IET Control Theory and Applications</i> , 2012, 6, 2725-2736.	2.1	111
58	Event-Driven Adaptive Robust Control of Nonlinear Systems With Uncertainties Through NDP Strategy. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017, 47, 1358-1370.	9.3	111
59	Generalized Policy Iteration Adaptive Dynamic Programming for Discrete-Time Nonlinear Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2015, 45, 1577-1591.	9.3	109
60	Adaptive ϵ -Learning for Data-Based Optimal Output Regulation With Experience Replay. <i>IEEE Transactions on Cybernetics</i> , 2018, 48, 3337-3348.	9.5	108
61	On Mixed Data and Event Driven Design for Adaptive-Critic-Based Nonlinear H_{∞} Control. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 993-1005.	11.3	108
62	Multibattery Optimal Coordination Control for Home Energy Management Systems via Distributed Iterative Adaptive Dynamic Programming. <i>IEEE Transactions on Industrial Electronics</i> , 2015, 62, 4203-4214.	7.9	106
63	Guaranteed cost neural tracking control for a class of uncertain nonlinear systems using adaptive dynamic programming. <i>Neurocomputing</i> , 2016, 198, 80-90.	5.9	102
64	Robust Exponential Stability of Recurrent Neural Networks With Multiple Time-Varying Delays. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2007, 54, 730-734.	2.2	101
65	An Introduction to Parallel Control and Management for High-Speed Railway Systems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2011, 12, 1473-1483.	8.0	100
66	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.	11.3	100
67	Sparsely interconnected neural networks for associative memories with applications to cellular neural networks. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 1994, 41, 295-307.	2.2	99
68	Global Asymptotic Stability and Robust Stability of a Class of Cohen–Grossberg Neural Networks With Mixed Delays. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2009, 56, 616-629.	5.4	98
69	Optimal distributed synchronization control for continuous-time heterogeneous multi-agent differential graphical games. <i>Information Sciences</i> , 2015, 317, 96-113.	6.9	97
70	Reinforcement learning solution for HJB equation arising in constrained optimal control problem. <i>Neural Networks</i> , 2015, 71, 150-158.	5.9	97
71	Data-based fault tolerant control for affine nonlinear systems through particle swarm optimized neural networks. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2020, 7, 954-964.	13.1	97
72	A Neural Network Method for Detection of Obstructive Sleep Apnea and Narcolepsy Based on Pupil Size and EEG. <i>IEEE Transactions on Neural Networks</i> , 2008, 19, 308-318.	4.2	94

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73	Discrete-Time Optimal Control via Local Policy Iteration Adaptive Dynamic Programming. IEEE Transactions on Cybernetics, 2017, 47, 3367-3379.	9.5	90
74	Event-Triggered Adaptive Dynamic Programming for Zero-Sum Game of Partially Unknown Continuous-Time Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3189-3199.	9.3	90
75	A self-learning scheme for residential energy system control and management. Neural Computing and Applications, 2013, 22, 259-269.	5.6	88
76	An iterative -optimal control scheme for a class of discrete-time nonlinear systems with unfixed initial state. Neural Networks, 2012, 32, 236-244.	5.9	87
77	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.	5.9	86
78	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.	11.3	86
79	Necessary and sufficient conditions for the Hurwitz and Schur stability of interval matrices. IEEE Transactions on Automatic Control, 1994, 39, 1251-1255.	5.7	84
80	Intelligent Critic Control With Disturbance Attenuation for Affine Dynamics Including an Application to a Microgrid System. IEEE Transactions on Industrial Electronics, 2017, 64, 4935-4944.	7.9	83
81	Event-Driven Nonlinear Discounted Optimal Regulation Involving a Power System Application. IEEE Transactions on Industrial Electronics, 2017, 64, 8177-8186.	7.9	83
82	Observer based adaptive dynamic programming for fault tolerant control of a class of nonlinear systems. Information Sciences, 2017, 384, 21-33.	6.9	83
83	Learning and Guaranteed Cost Control With Event-Based Adaptive Critic Implementation. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 6004-6014.	11.3	83
84	Neural Network Learning and Robust Stabilization of Nonlinear Systems With Dynamic Uncertainties. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1342-1351.	11.3	77
85	Energy consumption prediction of office buildings based on echo state networks. Neurocomputing, 2016, 216, 478-488.	5.9	76
86	Adaptive optimal control for a class of continuous-time affine nonlinear systems with unknown internal dynamics. Neural Computing and Applications, 2013, 23, 1843-1850.	5.6	75
87	Adaptive Dynamic Programming Algorithm for Renewable Energy Scheduling and Battery Management. Cognitive Computation, 2013, 5, 264-277.	5.2	75
88	Online approximate optimal control for affine non-linear systems with unknown internal dynamics using adaptive dynamic programming. IET Control Theory and Applications, 2014, 8, 1676-1688.	2.1	73
89	Neural-network-based adaptive optimal tracking control scheme for discrete-time nonlinear systems with approximation errors. Neurocomputing, 2015, 149, 106-115.	5.9	73
90	Numerical adaptive learning control scheme for discrete-time non-linear systems. IET Control Theory and Applications, 2013, 7, 1472-1486.	2.1	72

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91	Improving the Critic Learning for Event-Based Nonlinear H_{∞} Control Design. IEEE Transactions on Cybernetics, 2017, 47, 3417-3428.	9.5	72
92	Discounted Iterative Adaptive Critic Designs With Novel Stability Analysis for Tracking Control. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 1262-1272.	13.1	72
93	Event-Triggered Optimal Neuro-Controller Design With Reinforcement Learning for Unknown Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1866-1878.	9.3	71
94	Event-Triggered Adaptive Critic Control Design for Discrete-Time Constrained Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3158-3168.	9.3	71
95	Data-based robust adaptive control for a class of unknown nonlinear constrained-input systems via integral reinforcement learning. Information Sciences, 2016, 369, 731-747.	6.9	70
96	A supervised Actor-Critic approach for adaptive cruise control. Soft Computing, 2013, 17, 2089-2099.	3.6	69
97	Motif Discoveries in Unaligned Molecular Sequences Using Self-Organizing Neural Networks. IEEE Transactions on Neural Networks, 2006, 17, 919-928.	4.2	68
98	Action-dependent adaptive critic designs. , 0, , .		66
99	Data-driven controller design for general MIMO nonlinear systems via virtual reference feedback tuning and neural networks. Neurocomputing, 2016, 171, 815-825.	5.9	66
100	Lyapunov stability of two-dimensional digital filters with overflow nonlinearities. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1998, 45, 574-577.	0.1	65
101	An adaptive algorithm for call admission control in wireless networks. , 0, , .		65
102	Editorial: The Blossoming of the IEEE Transactions on Neural Networks. IEEE Transactions on Neural Networks, 2011, 22, 1850-1850.	4.2	64
103	Data-Based Controllability and Observability Analysis of Linear Discrete-Time Systems. IEEE Transactions on Neural Networks, 2011, 22, 2388-2392.	4.2	63
104	Two new operators in rough set theory with applications to fuzzy sets. Information Sciences, 2004, 166, 147-165.	6.9	62
105	Policy Iteration Q -Learning for Data-Based Two-Player Zero-Sum Game of Linear Discrete-Time Systems. IEEE Transactions on Cybernetics, 2021, 51, 3630-3640.	9.5	62
106	Lie algebraic stability analysis for switched systems with continuous-time and discrete-time subsystems. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2006, 53, 152-156.	2.2	59
107	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.	11.3	59
108	Data-based robust optimal control of continuous-time affine nonlinear systems with matched uncertainties. Information Sciences, 2016, 366, 121-133.	6.9	58

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109	Online approximate solution of HJI equation for unknown constrained-input nonlinear continuous-time systems. <i>Information Sciences</i> , 2016, 328, 435-454.	6.9	58
110	Output Tracking Control Based on Adaptive Dynamic Programming With Multistep Policy Evaluation. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 2155-2165.	9.3	56
111	Neuro-optimal control for a class of unknown nonlinear dynamic systems using SN-DHP technique. <i>Neurocomputing</i> , 2013, 121, 218-225.	5.9	55
112	Event-Triggered ADP for Tracking Control of Partially Unknown Constrained Uncertain Systems. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 9001-9012.	9.5	55
113	Wavelet Basis Function Neural Networks for Sequential Learning. <i>IEEE Transactions on Neural Networks</i> , 2008, 19, 523-528.	4.2	53
114	Discrete-time online learning control for a class of unknown nonaffine nonlinear systems using reinforcement learning. <i>Neural Networks</i> , 2014, 55, 30-41.	5.9	53
115	A novel policy iteration based deterministic Q-learning for discrete-time nonlinear systems. <i>Science China Information Sciences</i> , 2015, 58, 1-15.	4.3	53
116	Neural network robust tracking control with adaptive critic framework for uncertain nonlinear systems. <i>Neural Networks</i> , 2018, 97, 11-18.	5.9	53
117	A constructive algorithm for feedforward neural networks with incremental training. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2002, 49, 1876-1879.	0.1	52
118	Event-Triggered Adaptive Dynamic Programming for Unmatched Uncertain Nonlinear Continuous-Time Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 2939-2951.	11.3	52
119	Constrained Event-Triggered H^∞ Control Based on Adaptive Dynamic Programming With Concurrent Learning. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 357-369.	9.3	51
120	Multi-Agent Based Adaptive Consensus Control for Multiple Manipulators with Kinematic Uncertainties. , 2008, , .		50
121	Neural-network-based decentralized control of continuous-time nonlinear interconnected systems with unknown dynamics. <i>Neurocomputing</i> , 2015, 165, 90-98.	5.9	48
122	Online fault compensation control based on policy iteration algorithm for a class of affine nonlinear systems with actuator failures. <i>IET Control Theory and Applications</i> , 2016, 10, 1816-1823.	2.1	48
123	Decentralized guaranteed cost control of interconnected systems with uncertainties: A learning-based optimal control strategy. <i>Neurocomputing</i> , 2016, 214, 297-306.	5.9	48
124	Sliding-Mode Surface-Based Approximate Optimal Control for Uncertain Nonlinear Systems With Asymptotically Stable Critic Structure. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 2858-2869.	9.5	48
125	Pinning synchronization of memristor-based neural networks with time-varying delays. <i>Neural Networks</i> , 2017, 93, 143-151.	5.9	46
126	Event-based input-constrained nonlinear H^∞ state feedback with adaptive critic and neural implementation. <i>Neurocomputing</i> , 2016, 214, 848-856.	5.9	45

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127	Synthesis of fractional gaussian noise using linear approximation for generating self-similar network traffic. <i>Computer Communication Review</i> , 2000, 30, 4-17.	1.8	43
128	Model-Free Adaptive Optimal Control for Unknown Nonlinear Multiplayer Nonzero-Sum Game. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 879-892.	11.3	43
129	Criteria for robust absolute stability of time-varying nonlinear continuous-time systems. <i>Automatica</i> , 2002, 38, 627-637.	5.0	42
130	Guest Editorial - Special Issue on Adaptive Dynamic Programming and Reinforcement Learning in Feedback Control. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2008, 38, 896-897.	5.0	42
131	Centralized and decentralized event-triggered control for group consensus with fixed topology in continuous time. <i>Neurocomputing</i> , 2015, 161, 267-276.	5.9	42
132	Distributed control algorithm for bipartite consensus of the nonlinear time-delayed multi-agent systems with neural networks. <i>Neurocomputing</i> , 2016, 174, 928-936.	5.9	42
133	Continuous-Time Time-Varying Policy Iteration. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 4958-4971.	9.5	42
134	Event-Triggered Control of Discrete-Time Zero-Sum Games via Deterministic Policy Gradient Adaptive Dynamic Programming. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 4823-4835.	9.3	42
135	Fault detection and control co-design for discrete-time delayed fuzzy networked control systems subject to quantization and multiple packet dropouts. <i>Fuzzy Sets and Systems</i> , 2017, 306, 1-25.	2.7	41
136	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.	5.5	41
137	An Indirect Data-Driven Method for Trajectory Tracking Control of a Class of Nonlinear Discrete-Time Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 4121-4129.	7.9	41
138	Event-Based Constrained Robust Control of Affine Systems Incorporating an Adaptive Critic Mechanism. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017, 47, 1602-1612.	9.3	40
139	Adaptive dynamic programming for robust neural control of unknown continuous-time nonlinear systems. <i>IET Control Theory and Applications</i> , 2017, 11, 2307-2316.	2.1	40
140	Model-Free H_∞ Optimal Tracking Control of Constrained Nonlinear Systems via an Iterative Adaptive Learning Algorithm. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 4097-4108.	9.3	39
141	Dual Heuristic dynamic Programming for nonlinear discrete-time uncertain systems with state delay. <i>Neurocomputing</i> , 2014, 134, 222-229.	5.9	38
142	Deterministic policy gradient adaptive dynamic programming for model-free optimal control. <i>Neurocomputing</i> , 2020, 387, 40-50.	5.9	38
143	Neural robust stabilization via event-triggering mechanism and adaptive learning technique. <i>Neural Networks</i> , 2018, 102, 27-35.	5.9	37
144	Global Output Convergence of a Class of Continuous-Time Recurrent Neural Networks With Time-Varying Thresholds. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2004, 51, 161-167.	2.2	35

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145	CHAOTIFYING FUZZY HYPERBOLIC MODEL USING ADAPTIVE INVERSE OPTIMAL CONTROL APPROACH. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 3505-3517.	1.7	35
146	Adaptive dynamic programming based event-triggered control for unknown continuous-time nonlinear systems with input constraints. Neurocomputing, 2020, 396, 191-200.	5.9	35
147	Generalized value iteration for discounted optimal control with stability analysis. Systems and Control Letters, 2021, 147, 104847.	2.3	35
148	Nested auto-regressive processes for MPEG-encoded video traffic modeling. IEEE Transactions on Circuits and Systems for Video Technology, 2001, 11, 169-183.	8.3	34
149	Stable iterative adaptive dynamic programming algorithm with approximation errors for discrete-time nonlinear systems. Neural Computing and Applications, 2014, 24, 1355-1367.	5.6	34
150	Echo state network-based Q-learning method for optimal battery control of offices combined with renewable energy. IET Control Theory and Applications, 2017, 11, 915-922.	2.1	34
151	Multi-step heuristic dynamic programming for optimal control of nonlinear discrete-time systems. Information Sciences, 2017, 411, 66-83.	6.9	34
152	Stability analysis of systems with partial state saturation nonlinearities. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1996, 43, 230-232.	0.1	32
153	Cloning template design of cellular neural networks for associative memories. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1997, 44, 646-650.	0.1	32
154	Residential energy system control and management using adaptive dynamic programming. , 2011, , .		32
155	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.	3.6	32
156	Discrete-Time Local Value Iteration Adaptive Dynamic Programming: Admissibility and Termination Analysis. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2490-2502.	11.3	32
157	A Data-Based State Feedback Control Method for a Class of Nonlinear Systems. IEEE Transactions on Industrial Informatics, 2013, 9, 2284-2292.	11.3	31
158	Self-tuned local feedback gain based decentralized fault tolerant control for a class of large-scale nonlinear systems. Neurocomputing, 2017, 235, 147-156.	5.9	31
159	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.	5.6	30
160	Periodic Event-Triggered Suboptimal Control With Sampling Period and Performance Analysis. IEEE Transactions on Cybernetics, 2021, 51, 1253-1261.	9.5	29
161	Deep Learning-Based Trajectory Planning and Control for Autonomous Ground Vehicle Parking Maneuver. IEEE Transactions on Automation Science and Engineering, 2023, 20, 1633-1647.	5.2	29
162	New robust stability results for bidirectional associative memory neural networks with multiple time delays. Applied Mathematics and Computation, 2012, 218, 11472-11482.	2.2	28

#	ARTICLE	IF	CITATIONS
163	Feature selection and feature learning for high-dimensional batch reinforcement learning: A survey. International Journal of Automation and Computing, 2015, 12, 229-242.	4.5	28
164	Adaptive Synchronization of Delayed Memristive Neural Networks With Unknown Parameters. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 539-549.	9.3	28
165	Event-triggered constrained control with DHP implementation for nonaffine discrete-time systems. Information Sciences, 2020, 519, 110-123.	6.9	28
166	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.	9.3	28
167	Solving the N-bit parity problem using neural networks. Neural Networks, 1999, 12, 1321-1323.	5.9	27
168	TNNLS Call for Reviewers and Special Issues. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1-6.	11.3	27
169	Reliable observer-based H_∞ control for discrete-time fuzzy systems with time-varying delays and stochastic actuator faults via scaled small gain theorem. Neurocomputing, 2015, 147, 251-259.	5.9	27
170	Event-triggered adaptive dynamic programming for discrete-time multi-player games. Information Sciences, 2020, 506, 457-470.	6.9	27
171	Particle swarm optimized neural networks based local tracking control scheme of unknown nonlinear interconnected systems. Neural Networks, 2021, 134, 54-63.	5.9	27
172	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.	5.5	26
173	Adaptive near-optimal controllers for nonlinear decentralised feedback stabilisation problems. IET Control Theory and Applications, 2017, 11, 799-806.	2.1	26
174	Offline and Online Adaptive Critic Control Designs With Stability Guarantee Through Value Iteration. IEEE Transactions on Cybernetics, 2022, 52, 13262-13274.	9.5	26
175	CHAOTIFYING FUZZY HYPERBOLIC MODEL USING IMPULSIVE AND NONLINEAR FEEDBACK CONTROL APPROACHES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 2603-2610.	1.7	25
176	Discrete-Time Adaptive Dynamic Programming using Wavelet Basis Function Neural Networks. , 2007, , .		25
177	Detecting and Reacting to Changes in Sensing Units: The Active Classifier Case. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 353-362.	9.3	25
178	A neural-network-based online optimal control approach for nonlinear robust decentralized stabilization. Soft Computing, 2016, 20, 707-716.	3.6	25
179	Learning Control for Air Conditioning Systems via Human Expressions. IEEE Transactions on Industrial Electronics, 2021, 68, 7662-7671.	7.9	25
180	Asymptotic stability of systems operating on a closed hypercube. Systems and Control Letters, 1992, 19, 281-285.	2.3	24

#	ARTICLE	IF	CITATIONS
181	A new synthesis procedure for a class of cellular neural networks with space-invariant cloning template. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1998, 45, 1601-1605.	2.2	24
182	Robust absolute stability of time-varying nonlinear discrete-time systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 1129-1137.	0.1	24
183	Robust synchronization of memristive neural networks with strong mismatch characteristics via pinning control. Neurocomputing, 2018, 289, 144-154.	5.9	24
184	On the global output convergence of a class of recurrent neural networks with time-varying inputs. Neural Networks, 2005, 18, 171-178.	5.9	23
185	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.	9.3	23
186	Bounded robust control design for uncertain nonlinear systems using single-network adaptive dynamic programming. Neurocomputing, 2017, 266, 128-140.	5.9	23
187	Robustness analysis and design of a class of neural networks with sparse interconnecting structure. Neurocomputing, 1996, 12, 59-76.	5.9	22
188	Multiuser detection using the Taguchi method for DS-CDMA systems. IEEE Transactions on Wireless Communications, 2005, 4, 1594-1607.	9.2	22
189	Multiperson zero-sum differential games for a class of uncertain nonlinear systems. International Journal of Adaptive Control and Signal Processing, 2014, 28, 205-231.	4.1	22
190	Editorial: The IEEE Transactions on Neural Networks 2010 and Beyond. IEEE Transactions on Neural Networks, 2010, 21, 1-10.	4.2	21
191	Bipartite output consensus in networked multi-agent systems of high-order power integrators with signed digraph and input noises. International Journal of Systems Science, 2016, 47, 3116-3131.	5.5	21
192	Leader-Following Mean-Square Consensus of Stochastic Multiagent Systems With ROUs and RONs via Distributed Event-Triggered Impulsive Control. IEEE Transactions on Cybernetics, 2022, 52, 1836-1849.	9.5	21
193	A New Approach to Finite-Horizon Optimal Control for Discrete-Time Affine Nonlinear Systems via a Pseudolinear Method. IEEE Transactions on Automatic Control, 2022, 67, 2610-2617.	5.7	21
194	N-bit parity neural networks: new solutions based on linear programming. Neurocomputing, 2002, 48, 477-488.	5.9	20
195	Generalized Receding Horizon Control of Fuzzy Systems Based on Numerical Optimization Algorithm. IEEE Transactions on Fuzzy Systems, 2009, 17, 1336-1352.	9.8	20
196	Data-Based Optimal Control for Weakly Coupled Nonlinear Systems Using Policy Iteration. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 511-521.	9.3	20
197	Manifold Regularized Reinforcement Learning. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 932-943.	11.3	20
198	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.	7.2	20

#	ARTICLE	IF	CITATIONS
199	Consensus protocol for multi-agent continuous systems. Chinese Physics B, 2008, 17, 3531-3535.	1.4	19
200	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.	2.1	19
201	Integral reinforcement learning based event-triggered control with input saturation. Neural Networks, 2020, 131, 144-153.	5.9	19
202	Data-Based Nonaffine Optimal Tracking Control Using Iterative DHP Approach. IFAC-PapersOnLine, 2020, 53, 4246-4251.	0.9	19
203	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.	11.3	19
204	An Improved Maximum Likelihood Approach to Image Reconstruction Using Ordered Subsets and Data Subdivisions. IEEE Transactions on Nuclear Science, 2004, 51, 130-135.	2.0	18
205	Convergence analysis and application of fuzzy-HDP for nonlinear discrete-time HJB systems. Neurocomputing, 2015, 149, 124-131.	5.9	18
206	Online identifier-actor-critic algorithm for optimal control of nonlinear systems. Optimal Control Applications and Methods, 2017, 38, 317-335.	2.1	18
207	Special Issue on Deep Reinforcement Learning and Adaptive Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2038-2041.	11.3	18
208	Relaxed Stability Criteria for Neural Networks With Time-Varying Delay Using Extended Secondary Delay Partitioning and Equivalent Reciprocal Convex Combination Techniques. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4157-4169.	11.3	18
209	Observer-based event-triggered control for zero-sum games of input constrained multi-player nonlinear systems. Neural Networks, 2021, 144, 101-112.	5.9	18
210	Action dependent heuristic dynamic programming based residential energy scheduling with home energy inter-exchange. Energy Conversion and Management, 2015, 103, 553-561.	9.2	17
211	Particle Swarn Optimized Adaptive Dynamic Programming. , 2007, , .		16
212	Finite horizon optimal tracking control of partially unknown linear continuous-time systems using policy iteration. IET Control Theory and Applications, 2015, 9, 1791-1801.	2.1	16
213	Adaptive dynamic programming-based event-triggered optimal tracking control. International Journal of Robust and Nonlinear Control, 2021, 31, 7480-7497.	3.7	16
214	Neural-network-based discounted optimal control via an integrated value iteration with accuracy guarantee. Neural Networks, 2021, 144, 176-186.	5.9	16
215	Adaptive tracking control of leader-following linear multi-agent systems with external disturbances. International Journal of Systems Science, 2016, 47, 3167-3179.	5.5	15
216	Optimization of electricity consumption in office buildings based on adaptive dynamic programming. Soft Computing, 2017, 21, 6369-6379.	3.6	15

#	ARTICLE	IF	CITATIONS
217	An echo state network based approach to room classification of office buildings. <i>Neurocomputing</i> , 2019, 333, 319-328.	5.9	15
218	Improved value iteration for neural-network-based stochastic optimal control design. <i>Neural Networks</i> , 2020, 124, 280-295.	5.9	15
219	A Novel Value Iteration Scheme With Adjustable Convergence Rate. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2023, 34, 7430-7442.	11.3	15
220	Event-triggered integral reinforcement learning for nonzero-sum games with asymmetric input saturation. <i>Neural Networks</i> , 2022, 152, 212-223.	5.9	15
221	Adaptive Dynamic Programming-Based Event-Triggered Robust Control for Multiplayer Nonzero-Sum Games With Unknown Dynamics. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 5151-5164.	9.5	15
222	Identification of motifs with insertions and deletions in protein sequences using self-organizing neural networks. <i>Neural Networks</i> , 2005, 18, 835-842.	5.9	14
223	Epileptic Seizure Prediction by a System of Particle Filter Associated with a Neural Network. <i>Eurasip Journal on Advances in Signal Processing</i> , 2009, 2009, .	1.7	14
224	Data-based analysis of discrete-time linear systems in noisy environment: Controllability and observability. <i>Information Sciences</i> , 2014, 288, 314-329.	6.9	14
225	Direct adaptive control for a class of discrete-time unknown nonaffine nonlinear systems using neural networks. <i>International Journal of Robust and Nonlinear Control</i> , 2015, 25, 1844-1861.	3.7	14
226	On-Line Learning Control for Discrete Nonlinear Systems Via an Improved ADDHP Method. <i>Lecture Notes in Computer Science</i> , 2007, , 387-396.	1.3	14
227	Null controllability of systems with control constraints and state saturation. <i>Systems and Control Letters</i> , 1993, 20, 131-139.	2.3	13
228	Editorial A Successful Change From TNN to TNNLS and a Very Successful Year. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013, 24, 1-7.	11.3	13
229	Stability Analysis for a Class of Systems: From Model-Based Methods to Data-Driven Methods. <i>IEEE Transactions on Industrial Electronics</i> , 2014, 61, 6463-6471.	7.9	13
230	Adaptive synchronization of memristor-based neural networks with discontinuous activations. <i>Neurocomputing</i> , 2020, 381, 196-206.	5.9	13
231	Event-triggered decentralized optimal fault tolerant control for mismatched interconnected nonlinear systems through adaptive dynamic programming. <i>Optimal Control Applications and Methods</i> , 2021, 42, 1365-1384.	2.1	13
232	Neural-network-based reinforcement learning controller for nonlinear systems with non-symmetric dead-zone inputs. , 2009, , .		12
233	Adaptive dynamic programming with stable value iteration algorithm for discrete-time nonlinear systems. , 2012, , .		12
234	Neural network modeling and adaptive critic control of automotive fuel-injection systems. , 0, , .		11

#	ARTICLE	IF	CITATIONS
235	A fast method for generating self-similar network traffic. , 0, , .		10
236	Adaptive dynamic programming for optimal control of unknown nonlinear discrete-time systems. , 2011, , .		10
237	Data-based output feedback control using least squares estimation method for a class of nonlinear systems. International Journal of Robust and Nonlinear Control, 2014, 24, 3061-3075.	3.7	10
238	Neuro-Optimal Control for Discrete Stochastic Processes via a Novel Policy Iteration Algorithm. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3972-3985.	9.3	10
239	OPERON. , 2018, , .		10
240	Decentralized Sliding Mode Observer Based Dual Closed-Loop Fault Tolerant Control for Reconfigurable Manipulator against Actuator Failure. PLoS ONE, 2015, 10, e0129315.	2.5	10
241	Two approximation methods to synthesize the power spectrum of fractional Gaussian noise. Computational Statistics and Data Analysis, 2007, 52, 1047-1062.	1.2	9
242	Neural Sliding-Mode Control of Engine Torque. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 9453-9458.	0.4	9
243	Robust Exponential Synchronization for Memristor Neural Networks With Nonidentical Characteristics by Pinning Control. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, , 1-15.	9.3	9
244	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.	5.5	9
245	Event-triggered adaptive dynamic programming for multi-player zero-sum games with unknown dynamics. Soft Computing, 2021, 25, 2237-2251.	3.6	9
246	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.	3.7	9
247	A multipath interference cancellation technique for WCDMA downlink receivers. International Journal of Communication Systems, 2007, 20, 661-668.	2.5	8
248	Neurodynamic programming: a case study of the traveling salesman problem. Neural Computing and Applications, 2008, 17, 347-355.	5.6	8
249	Consensus value of multi-agent networked systems with time-delay. , 2009, , .		8
250	Data-based stability analysis of a class of nonlinear discrete-time systems. Information Sciences, 2013, 235, 36-44.	6.9	8
251	Policy iteration optimal tracking control for chaotic systems by using an adaptive dynamic programming approach. Chinese Physics B, 2015, 24, 030502.	1.4	8
252	DMPP: Differentiable multi-pruner and predictor for neural network pruning. Neural Networks, 2022, 147, 103-112.	5.9	8

#	ARTICLE	IF	CITATIONS
253	Exponential Stability Analysis of Neural Networks with Multiple Time Delays. Lecture Notes in Computer Science, 2005, , 142-148.	1.3	7
254	Robust Adaptive Fuzzy Output Control for Nonlinear Uncertain Systems. , 0, , .		7
255	Guest Editorial: Networking, Sensing, and Control for Networked Control Systems: Architectures, Algorithms, and Applications. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2007, 37, 157-159.	2.9	7
256	Clustering with a Weighted Sum Validity Function Using a Niching PSO Algorithm. , 2007, , .		7
257	LMI Based Global Asymptotic Stability Criterion for Recurrent Neural Networks with Infinite Distributed Delays. Lecture Notes in Computer Science, 2009, , 463-471.	1.3	7
258	NONLINEAR TORQUE AND AIR-TO-FUEL RATIO CONTROL OF SPARK IGNITION ENGINES USING NEURO-SLIDING MODE TECHNIQUES. International Journal of Neural Systems, 2011, 21, 213-224.	5.2	7
259	Editorial TNNLS Special Issues and Editorial Board Changes. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1-8.	11.3	7
260	Adaptive dynamic programming for infinite horizon optimal robust guaranteed cost control of a class of uncertain nonlinear systems. , 2015, , .		7
261	Distributed consensus tracking control for multiple simple-pendulum network systems. , 2016, , .		7
262	Optimal Tracking Control Scheme for Discrete-Time Nonlinear Systems with Approximation Errors. Lecture Notes in Computer Science, 2013, , 1-10.	1.3	7
263	Neural Network H _∞ Tracking Control of Nonlinear Systems Using GHJI Method. Lecture Notes in Computer Science, 2013, , 186-195.	1.3	7
264	Stability analysis of a class of systems with parameter uncertainties and with state saturation nonlinearities. International Journal of Robust and Nonlinear Control, 1995, 5, 505-519.	3.7	6
265	Call Admission Policies Based on Calculated Power Control Setpoints in SIR-Based Power-Controlled DS-CDMA Cellular Networks. Wireless Networks, 2004, 10, 473-483.	3.0	6
266	Controller Design for a Class of Nonlinear Systems Based on Fuzzy Hyperbolic Model. , 2006, , .		6
267	Constrained optimal control of affine nonlinear discrete-time systems using GHJB method. , 2009, , .		6
268	Neural-network-based optimal control for a class of nonlinear discrete-time systems with control constraints using the iterative GDHP algorithm. , 2011, , .		6
269	Finite-horizon neural optimal tracking control for a class of nonlinear systems with unknown dynamics. , 2012, , .		6
270	Editorial - Neural Networks and Learning Systems Come Together. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 1-6.	11.3	6

#	ARTICLE	IF	CITATIONS
271	Constrained online optimal control for continuous-time nonlinear systems using neuro-dynamic programming. , 2014, , .		6
272	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.	3.6	6
273	Output-based high-order bipartite consensus under directed antagonistic networks. , 2014, , .		6
274	Adaptive-critic-based event-driven nonlinear robust state feedback. , 2016, , .		6
275	Editorial Special Issue on Adaptive Dynamic Programming and Reinforcement Learning. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3944-3947.	9.3	6
276	ADHDP for the pH Value Control in the Clarifying Process of Sugar Cane Juice. Lecture Notes in Computer Science, 2008, , 796-805.	1.3	6
277	Finite Horizon Discrete-Time Approximate Dynamic Programming. , 2006, , .		6
278	An Efficient Impulsive Adaptive Dynamic Programming Algorithm for Stochastic Systems. IEEE Transactions on Cybernetics, 2023, 53, 5545-5559.	9.5	6
279	Memristive LIF Spiking Neuron Model and Its Application in Morse Code. Frontiers in Neuroscience, 2022, 16, 853010.	2.8	6
280	New results on exponential periodicity of delayed neural networks. , 0, , .		5
281	A self-learning adaptive critic approach for call admission control in wireless cellular networks. , 0, , .		5
282	Robust Stability Analysis of a Class of Hopfield Neural Networks with Multiple Delays. Lecture Notes in Computer Science, 2005, , 209-214.	1.3	5
283	An Extension of Lie Algebraic Stability Analysis for Switched Systems with Continuous-Time and Discrete-Time Subsystems. , 0, , .		5
284	Extended Lie Algebraic Stability Analysis for Switched Systems with Continuous-Time and Discrete-Time Subsystems. International Journal of Applied Mathematics and Computer Science, 2007, 17, 447-454.	1.5	5
285	Data-driven iterative adaptive dynamic programming algorithm for approximate optimal control of unknown nonlinear systems. , 2014, , .		5
286	Distributed algorithm for dissensus of a class of networked multiagent systems using output information. Soft Computing, 2018, 22, 273-282.	3.6	5
287	Robust Tracking Control of Uncertain Nonlinear Systems Using Adaptive Dynamic Programming. Lecture Notes in Computer Science, 2015, , 9-16.	1.3	5
288	Adaptive critic learning techniques for automotive engine control. , 2004, , .		5

#	ARTICLE	IF	CITATIONS
289	Value-Iteration-Based Neuro-Optimal Tracking Control for Affine Systems with Completely Unknown Dynamics. , 2020, , .		5
290	Call admission control algorithms for DS-CDMA cellular networks supporting multimedia services. , 0, , .		4
291	Adaptive critic designs for problems with known analytical form of cost function. , 0, , .		4
292	Stability Analysis for Switched Systems with Continuous-Time and Discrete-Time Subsystems: A Lie Algebraic Approach. , 0, , .		4
293	Decentralized H-infinity Control of Fuzzy Large-scale Systems. , 2006, , .		4
294	A Brief Overview of the Complex Biological and Engineering Networks. , 2007, , .		4
295	A biologically inspired adaptive nonlinear control strategy for applications to powertrain control. , 2009, , .		4
296	Neuro-Optimal Control of Unknown Nonaffine Nonlinear Systems with Saturating Actuators. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 574-579.	0.4	4
297	Adaptive Dynamic Programming for Solving Non-Zero-Sum Differential Games. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 586-591.	0.4	4
298	Long short-term memory based on a reward/punishment strategy for recurrent neural networks. , 2017, , .		4
299	A self-learning ship steering controller based on adaptive Critic Designs. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 5070-5075.	0.4	3
300	Synthesis approach for bidirectional associative memories based on the perceptron training algorithm. Neurocomputing, 2000, 35, 137-148.	5.9	3
301	A Novel Modulation and Demodulation Technique for the Downlink of Spread Spectrum Multipath Channels. IEEE Communications Letters, 2004, 8, 208-210.	4.1	3
302	A new compression algorithm for medical images using wavelet transform. , 0, , .		3
303	A Monte Carlo Particle Model Associated with Neural Networks for Tracking Problem. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 3421-3429.	5.4	3
304	Noise reduction for oil pipeline pressure time series based on wavelet filtering technology. , 2009, , .		3
305	Adaptive dynamic programming for a class of discrete-time non-affine nonlinear systems with time-delays. , 2010, , .		3
306	Finite horizon optimal control of discrete-time nonlinear systems with unfixed initial state using adaptive dynamic programming. Journal of Control Theory and Applications, 2011, 9, 381-390.	0.8	3

#	ARTICLE	IF	CITATIONS
307	Optimal Cooperative Spectrum Sensing in Cognitive Radio with Taguchi Method. , 2012, , .		3
308	A new optimal control method for discrete-time nonlinear systems with approximation error. , 2012, , .		3
309	Optimal multiband joint detection in cognitive radio networks with the Taguchi method. International Journal of Communication Systems, 2014, 27, 3619-3639.	2.5	3
310	Near-optimal online control of uncertain nonlinear continuous-time systems based on concurrent learning. , 2014, , .		3
311	Continuous-time group consensus using distributed event-triggered control. , 2015, , .		3
312	Data-driven room classification for office buildings based on echo state network. , 2015, , .		3
313	Approximate policy iteration with unsupervised feature learning based on manifold regularization. , 2015, , .		3
314	Overview of Adaptive Dynamic Programming. Advances in Industrial Control, 2017, , 1-33.	0.5	3
315	Value Iteration ADP for Discrete-Time Nonlinear Systems. Advances in Industrial Control, 2017, , 37-90.	0.5	3
316	Adaptive critic designs for solving event-based H_{∞} control problems. , 2017, , .		3
317	Connectivity preservation of second-order nonlinear multiagent systems with hybrid event-driven and time-driven control. International Journal of Systems Science, 2018, 49, 1368-1382.	5.5	3
318	Fault Tolerant Control for Nonlinear Systems Based on Adaptive Dynamic Programming with Particle Swarm Optimization. , 2019, , .		3
319	Temperature Control in Water-Gas Shift Reaction with Adaptive Dynamic Programming. Lecture Notes in Computer Science, 2012, , 478-487.	1.3	3
320	Necessary and sufficient conditions for the stability of interval matrices. , 0, , .		2
321	Asymptotic stability of systems with partial state saturation nonlinearities. , 0, , .		2
322	A new learning algorithm for feedforward neural networks. , 0, , .		2
323	A new learning control approach suitable for problems with finite action space. , 0, , .		2
324	Call admission control for CDMA cellular networks using adaptive critic designs. , 2003, , .		2

#	ARTICLE	IF	CITATIONS
325	Applications of fuzzy decision-making in pipeline leak localization. , 0, , .		2
326	An Orthogonal Array Optimization for the Economic Dispatch with Nonsmooth Cost Functions. , 0, , .		2
327	Vision-Guided Mobile Robot Navigation. , 0, , .		2
328	Architecture of Next Generation Network with Information Sharing. , 0, , .		2
329	Disturbance Decoupling Control for a Class of Nonlinear Time-Delay System. , 2006, , .		2
330	Automotive Engine Torque and Air-Fuel Ratio Control Using Dual Heuristic Dynamic Programming. , 2006, , .		2
331	Temperature Control in Precalculator with Dual Heuristic Dynamic Programming. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	2
332	Dual Heuristic Programming Based Neurocontroller for Vibration Isolation Control. , 2008, , .		2
333	∈-Adaptive Dynamic Programming for discrete-time systems. , 2008, , .		2
334	Robust Impulsive Synchronization for a Class of Unified Chaotic Systems with Parameter Uncertainty. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 15114-15118.	0.4	2
335	A novel LMI approach to global impulsive exponential synchronization of chaotic delayed neural networks. , 2009, , .		2
336	Optimal control for discrete-time nonlinear systems with unfixed initial state using adaptive dynamic programming. , 2011, , .		2
337	End-to-End cryptographic voting: Potentials and limitations. , 2013, , .		2
338	Optimal self-learning battery control in smart residential grids by iterative Q-learning algorithm. , 2014, , .		2
339	Online optimal control for VTOL aircraft system based on DHP algorithm. , 2014, , .		2
340	Robust optimal control for a class of nonlinear dynamic systems using single network adaptive dynamic programming. , 2014, , .		2
341	Unmanned aerial vehicles (UAV) heading optimal tracking control using online kernel-based HDP algorithm. , 2014, , .		2
342	Adaptive tracking control of leader-following multi-agent systems. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
343	Data-driven virtual reference controller design for high-order nonlinear systems via neural network. , 2015, , .		2
344	Discrete-Time Two-Player Zero-Sum Games for Nonlinear Systems Using Iterative Adaptive Dynamic Programming. Lecture Notes in Computer Science, 2016, , 269-276.	1.3	2
345	An adaptive dynamic programming based method for optimization of electricity consumption in office buildings. , 2016, , .		2
346	Data-based self-learning optimal control for continuous-time unknown nonlinear systems with disturbance. , 2016, , .		2
347	Learning Algorithms for Differential Games of Continuous-Time Systems. Advances in Industrial Control, 2017, , 417-480.	0.5	2
348	Discrete-time optimal zero-sum games for nonlinear systems via adaptive dynamic programming. , 2017, , .		2
349	A Tracking Control Method based on Event-Triggered Adaptive Dynamic Programming. , 2019, , .		2
350	Observer-based Event-triggered Robust Control for Input Constrained Uncertain Nonlinear Systems. , 2021, , .		2
351	Distributed Control for Nonlinear Time-Delayed Multi-Agent Systems with Connectivity Preservation Using Neural Networks. Lecture Notes in Computer Science, 2015, , 34-42.	1.3	2
352	Classification of Obstructive Sleep Apnea by Neural Networks. Lecture Notes in Computer Science, 2007, , 1299-1308.	1.3	2
353	Observer-Based Adaptive Output Feedback Control for Nonaffine Nonlinear Discrete-Time Systems Using Reinforcement Learning. Lecture Notes in Computer Science, 2013, , 631-638.	1.3	2
354	Integral Policy Iteration for Zero-Sum Games with Completely Unknown Nonlinear Dynamics. Lecture Notes in Computer Science, 2013, , 225-232.	1.3	2
355	Observer-Based H Tracking Control Scheme and Its Application to Robot Arms. IFAC-PapersOnLine, 2020, 53, 536-541.	0.9	2
356	Adaptive Dynamic Programming for a Class of Nonlinear Control Systems with General Separable Performance Index. Lecture Notes in Computer Science, 2008, , 128-137.	1.3	2
357	Robustness analysis and design of sparsely interconnected neural networks. , 0, , .		1
358	Analysis and synthesis of sparsely connected feedback neural networks. , 0, , .		1
359	Robustness analysis of a class of neural networks. , 0, , .		1
360	A heuristic approach for measurement-based admission control with variable-size window. , 0, , .		1

#	ARTICLE	IF	CITATIONS
361	Asymptotic Stability of a Class of Linear Discrete Systems with Multiple Independent Variables. Circuits, Systems, and Signal Processing, 2003, 22, 307.	2.0	1
362	Partial parallel interference cancellation for CDMA systems employing antenna arrays. , 0, , .		1
363	A generalized fuzzy hyperbolic modeling and control scheme. , 0, , .		1
364	Chaotification of Nonlinear Systems Described by the Fuzzy Hyperbolic Model. , 0, , .		1
365	Gradient-Based Methods for Simultaneous Blind Separation of Mixed Source Signals. , 0, , .		1
366	A self-organizing neural network approach for the identification of motifs with insertions and deletions in protein sequences. , 0, , .		1
367	A self-organizing neural network structure for motif identification in dna sequences. , 0, , .		1
368	Path Planning for Mobile Robots Using Straight Lines. , 0, , .		1
369	A Weighted Sum Validity Function for Clustering With BPSO Algorithm. , 2006, , .		1
370	Global Asymptotic Stability of Recurrent Neural Networks with Time Varying Delays. , 2007, , .		1
371	Wavelet Basis Function Neural Networks. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	1
372	Neural Network Strategy for Sampling of Particle Filters on the Tracking Problem. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	1
373	An adaptive control method for a class of uncertain nonlinear systems with ferromagnetic hysteresis nonlinearity. , 2008, , .		1
374	Epileptic Seizures Predicted by Modified Particle Filters. , 2008, , .		1
375	T-S fuzzy modeling and control for a class of chaotic (hyperchaotic) systems with uncertain parameters. , 2008, , .		1
376	Discrete-Time ϵ -Adaptive Dynamic Programming Algorithm Using Neural Networks. , 2008, , .		1
377	Misfire detection based on engine speed using wavelet. , 2009, , .		1
378	Adaptive dynamic programming algorithm for discrete-time systems with ϵ -error bound and discount factor in the performance cost. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
379	A novel control scheme for a class of nonlinear systems with time delays based on fuzzy hyperbolic model. , 2009, , .		1
380	Parameter approximate dynamic optimization for PSO systems. , 2009, , .		1
381	An iterative ADP approach for solving a class of nonlinear zero-sum differential games. , 2010, , .		1
382	Adaptive tracking control of a class of nonlinear time-delay systems with NN actuator saturation compensation. , 2010, , .		1
383	Output synchronization of multiple mobile agents. , 2010, , .		1
384	Data based predictive control using neural networks and stochastic approximation. , 2011, , .		1
385	Adaptive optimal control for a class of nonlinear partially uncertain dynamic systems via policy iteration. , 2012, , .		1
386	H ∞ control of unknown discrete-time nonlinear systems with control constraints using adaptive dynamic programming. , 2012, , .		1
387	Online learning optimal control for decentralized stabilization of nonlinear interconnected systems. , 2013, , .		1
388	Adaptive optimal control for nonlinear systems with control constraints using GDHP technique. , 2013, , .		1
389	Optimal Feedback Control for Continuous-Time Systems via ADP. Communications and Control Engineering, 2013, , 223-255.	1.6	1
390	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
391	IEEE Press Series on Computational Intelligence. , 2013, , 614-614.		1
392	Decentralized control for a class of nonlinear interconnected systems using integral policy iteration. , 2014, , .		1
393	A Truthful Multi-Channel Double Auction Mechanism for Heterogeneous Spectrums. Wireless Personal Communications, 2014, 77, 1677-1697.	2.7	1
394	Data-Based Characteristics Analysis for Linear Discrete-Time Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 4993-4998.	0.4	1
395	Guest editorial for special issue on autonomous control of unmanned aerial vehicles. IEEE/CAA Journal of Automatica Sinica, 2015, 2, 1-1.	13.1	1
396	Optimal self-learning cooperative control for continuous-time heterogeneous multi-agent systems. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
397	A novel self-learning optimal control approach for decentralized guaranteed cost control of a class of complex nonlinear systems. , 2015, , .		1
398	Continuous-Time Distributed Adaptive Dynamic Programming for Heterogeneous Multiagent Optimal Synchronization Control. , 2016, , 275-304.		1
399	Iterative Q-learning-based nonlinear optimal tracking control. , 2016, , .		1
400	Optimal self-learning control scheme for discrete-time nonlinear systems using local value iteration. , 2016, , .		1
401	Adaptive dynamic programming for residential energy scheduling with solar energy. , 2016, , .		1
402	Distributed control of second-order nonlinear time-delayed multiagent systems with disturbance using neural networks. , 2016, , .		1
403	Adaptive dynamic programming based fault compensation control for nonlinear systems with actuator failures. , 2016, , .		1
404	Generalized policy iteration adaptive dynamic programming algorithm for optimal tracking control of a class of nonlinear systems. , 2016, , .		1
405	Adaptive Dynamic Programming for Optimal Control of Coal Gasification Process. Advances in Industrial Control, 2017, , 537-569.	0.5	1
406	Finite Approximation Error-Based Value Iteration ADP. Advances in Industrial Control, 2017, , 91-149.	0.5	1
407	Optimal Control of Unknown Continuous-Time Nonaffine Nonlinear Systems. Advances in Industrial Control, 2017, , 309-344.	0.5	1
408	Adaptive dynamic programming based decentralized tracking control for unknown large-scale systems. , 2017, , .		1
409	Neural network adaptive critic control with disturbance rejection. , 2017, , .		1
410	Event-Triggered Adaptive Dynamic Programming for Continuous-Time Nonlinear Two-Player Zero-Sum Game. Lecture Notes in Computer Science, 2018, , 15-25.	1.3	1
411	Adaptive Event-Based Control for Discrete-Time Nonaffine Systems with Constrained Inputs. , 2018, , .		1
412	Sparsely interconnected artificial neural networks for associative memories. Lecture Notes in Computer Science, 1993, , 155-160.	1.3	1
413	Self-learning Control Schemes for Two-Person Zero-Sum Differential Games of Continuous-Time Nonlinear Systems with Saturating Controllers. Lecture Notes in Computer Science, 2012, , 534-543.	1.3	1
414	Adaptive critic designs for decentralised robust control of nonlinear interconnected systems via event-triggering mechanism. International Journal of Systems Science, 2022, 53, 1031-1047.	5.5	1

#	ARTICLE	IF	CITATIONS
415	Model-Free Control of Time-Delay Systems via Policy Gradient Based Adaptive Learning Algorithm. , 2020, , .		1
416	Necessary and sufficient conditions for robust absolute stability of time-varying nonlinear continuous-time systems. , 0, , .		1
417	Theory and applications of sparsely interconnected feedback neural networks. , 0, , .		0
418	Stability analysis of two-dimensional nonlinear systems using Lyapunov's second method. , 0, , .		0
419	Feedback neural nets for associative memories-an overview and some new results. , 0, , .		0
420	Correction to "Necessary and Sufficient Conditions for the Hurwitz and Schur Stability of Interval M. IEEE Transactions on Automatic Control, 1996, 41, 311.	5.7	0
421	Some properties for improved information storage and retrieval in Hopfield-type neural networks. , 0, , .		0
422	Associative memory design via perceptron learning. , 0, , .		0
423	Design of cellular neural networks with space-invariant cloning template. , 0, , .		0
424	An adaptive critic approach for self-learning stock trading. , 0, , .		0
425	A new traffic model for MPEG encoded videos in ATM networks. , 0, , .		0
426	Neural network-based adaptive critic designs for self-learning control. , 0, , .		0
427	Criteria for asymptotic stability of a class of discrete systems with multiple independent variables. , 0, , .		0
428	Learning control of failure avoidance problems with known analytical form of cost function. , 0, , .		0
429	Output convergence analysis of continuous-time recurrent neural networks. , 0, , .		0
430	Roughness of fuzzy sets based on two new operators. , 0, , .		0
431	A new condition for the global robust exponential periodicity of interval neural networks with delays. , 0, , .		0
432	A new coding scheme for packets in CDMA-based wireless ad hoc networks. , 2004, , .		0

#	ARTICLE	IF	CITATIONS
433	An interference immune modulation and demodulation technique for the downlink of spread spectrum communication systems. , 2004, , .		0
434	Anticontrol of the fuzzy hyperbolic model. , 2004, , .		0
435	Orthogonal array optimization method for multiuser detection in DS-CDMA systems. , 0, , .		0
436	Sequential blind extraction of mixed source signals with guaranteed convergence. , 0, , .		0
437	Fuzzy hyperbolic H_{∞} filter design for a class of nonlinear continuous-time dynamic systems. , 2004, , .		0
438	Fuzzy H_{∞} Filtering of Discrete-Time Nonlinear Systems with Multiple Time Delays. , 0, , .		0
439	A new technique for WCDMA downlink interference cancellation. , 0, , .		0
440	Finite horizon discrete-time approximate dynamic programming. , 2006, , .		0
441	Global exponential stability of generalized neural networks with time-varying delays. , 0, , .		0
442	Automotive Engine Torque and Air-Fuel Ratio Control Using Dual Heuristic Dynamic Programming. , 0, , .		0
443	Delay-Dependent Guaranteed Cost Control for Uncertain Stochastic Fuzzy Systems with Time-Delay. , 0, , .		0
444	Detection Algorithm and Application Based on Work Status Evaluator. , 2006, , .		0
445	Sequential blind extraction of instantaneous mixtures with arbitrary rank. , 0, , .		0
446	Seizure Prediction Using a Dynamic Model with Hidden Variable. , 2008, , .		0
447	The consensus protocol for multi-agent systems based on the algebraic connectivity. , 2008, , .		0
448	Novel Delay-Dependent Exponential Stability of a Class of Fuzzy Cellular Neural Networks with Time-Varying Delays. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 2472-2477.	0.4	0
449	Non-quadratic stabilization of discrete-time 2-D T-S fuzzy systems based on new relaxed conditions. , 2009, , .		0
450	A Superstring Galaxy Associative Memory Model with Expecting Fault-Tolerant Fields. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
451	Delay-dependent passivity analysis of a class of uncertain stochastic recurrent neural networks. , 2009, , .		0
452	Data-based approach for the control of a class of nonlinear affine systems. , 2012, , .		0
453	Heuristic dynamic programming-based H ∞ control of discrete-time affine nonlinear systems. , 2012, , .		0
454	CIS Publication Spotlight [Publication Spotlight]. IEEE Computational Intelligence Magazine, 2012, 7, 11-12.	3.2	0
455	CIS Publication Spotlight [Publication Spotlight]. IEEE Computational Intelligence Magazine, 2012, 7, 11-12.	3.2	0
456	Special issue on intelligent control and information processing. Soft Computing, 2013, 17, 1967-1969.	3.6	0
457	Optimal Tracking Control for Discrete-Time Systems. Communications and Control Engineering, 2013, , 109-160.	1.6	0
458	Optimal State Feedback Control of Nonlinear Systems with Time Delays. Communications and Control Engineering, 2013, , 161-199.	1.6	0
459	Stable iterative optimal control for discrete-time nonlinear systems using numerical controller. , 2013, , .		0
460	Convergence analysis of continuous-time systems based on feedforward neural networks. , 2013, , .		0
461	Neuro-optimal learning control scheme for gasification process with unknown system model. , 2013, , .		0
462	A Report on the IEEE World Congress on Computational Intelligence 2014 (IEEE WCCI 2014) [Conference Reports]. IEEE Computational Intelligence Magazine, 2014, 9, 11-14.	3.2	0
463	Tracking control of discrete-time affine nonlinear systems based on kernel-HDP algorithm. , 2014, , .		0
464	Optimal learning control for discrete-time nonlinear systems using generalized policy iteration based adaptive dynamic programming. , 2014, , .		0
465	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
466	Reinforcement-Learning-Based Online Learning Control for Discrete-Time Unknown Nonaffine Nonlinear Systems. , 2014, , 49-81.		0
467	CIS Publication Spotlight [Publication Spotlight]. IEEE Computational Intelligence Magazine, 2014, 9, 15-18.	3.2	0
468	Robust stabilization of discrete-time uncertain nonlinear systems using neuro-optimal control strategy. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
469	CIS Publication Spotlight [Publication Spotlight]. IEEE Computational Intelligence Magazine, 2015, 10, 5-7.	3.2	0
470	Online critic-identifier-actor algorithm for optimal control of nonlinear systems. , 2015, , .		0
471	Farewell Editorial: Smooth Transition of IEEE TNNLS. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 2986-2986.	11.3	0
472	Neural-network-based finite horizon optimal control for partially unknown linear continuous-time systems. , 2015, , .		0
473	Bipartite output consensus of power integrator multi-agent systems with input noises. , 2015, , .		0
474	Optimal cooperative control for residential multi-battery systems using iterative adaptive dynamic programming. , 2015, , .		0
475	Discrete-time optimal control scheme based on Q-learning algorithm. , 2016, , .		0
476	Improvement of reliable H _∞ control for discrete-time fuzzy systems with time-varying delays. , 2016, , .		0
477	Data-based robust control for unknown nonlinear systems. , 2016, , .		0
478	Observer based policy iteration algorithm for fault tolerant control of nonlinear systems with actuator faults. , 2016, , .		0
479	Policy iteration for optimal control of weakly coupled nonlinear systems with completely unknown dynamics. , 2016, , .		0
480	Prediction of energy consumption in office buildings based on echo state network. , 2016, , .		0
481	Self-learning optimal guaranteed cost control of input-affine continuous-time nonlinear systems under uncertain environment. , 2016, , .		0
482	Neural-network-based robust optimal control of uncertain nonlinear systems using model-free policy iteration algorithm. , 2016, , .		0
483	Data-Based Optimal Tracking Control of Nonaffine Nonlinear Discrete-Time Systems. Lecture Notes in Computer Science, 2016, , 573-581.	1.3	0
484	Decentralized Control of Continuous-Time Interconnected Nonlinear Systems. Advances in Industrial Control, 2017, , 387-415.	0.5	0
485	Adaptive Dynamic Programming for Optimal Residential Energy Management. Advances in Industrial Control, 2017, , 483-535.	0.5	0
486	Data-Based Neuro-Optimal Temperature Control of Water Gas Shift Reaction. Advances in Industrial Control, 2017, , 571-590.	0.5	0

#	ARTICLE	IF	CITATIONS
487	Policy Iteration for Optimal Control of Discrete-Time Nonlinear Systems. Advances in Industrial Control, 2017, , 151-175.	0.5	0
488	Generalized Policy Iteration ADP for Discrete-Time Nonlinear Systems. Advances in Industrial Control, 2017, , 177-221.	0.5	0
489	Error Bounds of Adaptive Dynamic Programming Algorithms. Advances in Industrial Control, 2017, , 223-264.	0.5	0
490	Online Optimal Control of Continuous-Time Affine Nonlinear Systems. Advances in Industrial Control, 2017, , 267-307.	0.5	0
491	Robust and Optimal Guaranteed Cost Control of Continuous-Time Nonlinear Systems. Advances in Industrial Control, 2017, , 345-386.	0.5	0
492	Synchronization of Memristor-Based Time-Delayed Neural Networks via Pinning Control. Lecture Notes in Computer Science, 2017, , 699-708.	1.3	0
493	Optimal management of office energy consumption via Q-learning algorithm. , 2017, , .		0
494	Data-based robust near-optimal decentralized stabilization of unknown large-scale systems. , 2017, , .		0
495	Adaptive Critic H ∞ Control of Nonlinear Systems With Disturbance and Input Constraints. , 2018, , .		0
496	Cooperative Adaptive Control for Consensus of Leader-Following General Linear Multi-Agent Systems in Directed Communication Topology. , 2018, , .		0
497	Adaptive-Learning-Based H ∞ Optimal Tracking Control Design for a Class of Constrained Nonlinear Systems. , 2018, , .		0
498	Seasonal Scheduling of Office Electricity Use via Adaptive Dynamic Programming. , 2018, , .		0
499	Local Tracking Control for Unknown Interconnected Systems via Neuro-Dynamic Programming. Lecture Notes in Computer Science, 2018, , 258-268.	1.3	0
500	Data-driven policy learning strategy for nonlinear robust control with unknown perturbation. , 2018, , .		0
501	Adaptive Dynamic Programming for Optimal Control of Nonlinear Distributed Parameter Systems. , 2018, , 335-359.		0
502	Data-based Optimal Control for Discrete-time Systems via Deep Deterministic Policy Gradient Adaptive Dynamic Programming. , 2019, , .		0
503	A Combined Policy Gradient and Q-learning Method for Data-driven Optimal Control Problems. , 2019, , .		0
504	Pinning Control for Synchronization of Drive-Response Memristive Neural Networks with Nonidentical Parameters. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
505	Event-Triggered Adaptive Control for Discrete-Time Zero-Sum Games*. , 2019, , .		0
506	Distributed Adaptive Dynamic Programming Algorithm for Office Energy Control with Multiple Batteries. , 2019, , .		0
507	Observer Based Event-triggered Fault Compensation Control for Nonlinear Systems via Adaptive Dynamic Programming. , 2020, , .		0
508	Decentralized Tracking Control for Modular Reconfigurable Robots Using Data-Based Concurrent Learning. , 2021, , .		0
509	Finite Horizon Optimal Tracking Control for a Class of Discrete-Time Nonlinear Systems. Lecture Notes in Computer Science, 2011, , 620-629.	1.3	0
510	Generalized Hamilton-Jacobi-Isaacs Formulation-Based Neural Network H ∞ Control for Constrained Input Nonlinear Systems. Lecture Notes in Computer Science, 2012, , 218-225.	1.3	0
511	Nearly Optimal Control for Nonlinear Systems with Dead-Zone Control Input Based on the Iterative ADP Approach. Lecture Notes in Computer Science, 2012, , 127-134.	1.3	0
512	Other Applications of ADP. Communications and Control Engineering, 2013, , 395-422.	1.6	0
513	Discrete-Time Nonlinear Generalized Policy Iteration for Optimal Control Using Neural Networks. Lecture Notes in Computer Science, 2014, , 389-396.	1.3	0
514	A New Discrete-Time Iterative Adaptive Dynamic Programming Algorithm Based on Q-Learning. Lecture Notes in Computer Science, 2015, , 43-52.	1.3	0
515	Decentralized Stabilization for Nonlinear Systems with Unknown Mismatched Interconnections. Lecture Notes in Computer Science, 2016, , 185-192.	1.3	0
516	Optimal Constrained Neuro-Dynamic Programming Based Self-learning Battery Management in Microgrids. Lecture Notes in Computer Science, 2016, , 193-201.	1.3	0
517	Neural Dynamic Programming for Event-Based Nonlinear Adaptive Robust Stabilization. Lecture Notes in Computer Science, 2016, , 149-157.	1.3	0
518	Partially-Directed-Topology-Based Consensus Control for Linear Multi-agent Systems. Lecture Notes in Computer Science, 2017, , 147-156.	1.3	0
519	Local Policy Iteration Adaptive Dynamic Programming for Discrete-Time Nonlinear Systems. Lecture Notes in Computer Science, 2017, , 148-153.	1.3	0
520	Neuro-control of Nonlinear Systems with Unknown Input Constraints. Lecture Notes in Computer Science, 2017, , 778-788.	1.3	0
521	An Event-Triggered Heuristic Dynamic Programming Algorithm for Discrete-Time Nonlinear Systems. Lecture Notes in Computer Science, 2017, , 741-748.	1.3	0
522	Local Near-Optimal Control for Interconnected Systems with Time-Varying Delays. Lecture Notes in Computer Science, 2019, , 458-468.	1.3	0

#	ARTICLE	IF	CITATIONS
523	Approximate Optimal Control of Nonlinear Systems with Mismatched Perturbations Based on Asymptotically Stable Critic Neural Network. , 2020, , .		0
524	Generalized Policy Iteration-based Reinforcement Learning Algorithm for Optimal Control of Unknown Discrete-time Systems. , 2021, , .		0
525	Event-Triggered Control of Multi-Player Zero-Sum Games via Adaptive Dynamic Programming. , 2021, , .		0
526	Fault Tolerant Tracking Control Through Particle Swarm Optimization Based Policy Iteration. , 2020, , .		0
527	Observer-Based Event-Triggered Tracking Control of Multi-Player Nonlinear Systems via Adaptive Dynamic Programming. , 2021, , .		0
528	Event-Triggered Robust Control for Uncertain Nonlinear Systems with Input Constraints. , 2021, , .		0
529	Integral Reinforcement Learning-Based Optimal Control for Nonzero-Sum Games of Multi-Player Input-Constrained Nonlinear Systems. , 2021, , .		0
530	Event-triggered Control for Zero-sum Games Based on Critic-identifier Architecture with Particle Swarm Optimization. , 2021, , .		0
531	Applications of robust stability results to the analysis of multidimensional discrete-time systems. , 0, , .		0