

Ding Wang

List of Publications by Year in Descending Order

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

167 papers	5,819 citations	45 h-index	73 g-index
197 ext. papers	7,594 ext. citations	5.2 avg, IF	6.77 L-index

#	Paper	IF	Citations
167	A Novel Value Iteration Scheme With Adjustable Convergence Rate.. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022 , PP,	10.3	3
166	Dynamic Transfer Reference Point Oriented MOEA/D Involving Local Objective-Space Knowledge. <i>IEEE Transactions on Evolutionary Computation</i> , 2022 , 1-1	15.6	1
165	The intelligent critic framework for advanced optimal control. <i>Artificial Intelligence Review</i> , 2022 , 55, 1-22	9.7	16
164	System Stability of Learning-Based Linear Optimal Control With General Discounted Value Iteration.. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022 , PP,	10.3	2
163	Dynamic multi-objective intelligent optimal control toward wastewater treatment processes. <i>Science China Technological Sciences</i> , 2022 , 65, 569	3.5	1
162	Stability and Admissibility Analysis for Zero-Sum Games Under General Value Iteration Formulation.. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022 , PP,	10.3	1
161	Online Value Iteration for Intelligent Discounted Tracking Design of Constrained Systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2022 , 1-1	3.5	1
160	Adaptive Critic for Event-Triggered Unknown Nonlinear Optimal Tracking Design With Wastewater Treatment Applications.. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	2
159	Neuro-Optimal Trajectory Tracking With Value Iteration of Discrete-Time Nonlinear Dynamics. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	4
158	Intelligent optimal tracking with asymmetric constraints of a nonlinear wastewater treatment system. <i>International Journal of Robust and Nonlinear Control</i> , 2021 , 31, 6773-6787	3.6	10
157	Data-Driven Iterative Adaptive Critic Control Toward an Urban Wastewater Treatment Plant. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 7362-7369	8.9	47
156	Generalized value iteration for discounted optimal control with stability analysis. <i>Systems and Control Letters</i> , 2021 , 147, 104847	2.4	11
155	A novel decomposition-based multiobjective evolutionary algorithm using improved multiple adaptive dynamic selection strategies. <i>Information Sciences</i> , 2021 , 556, 472-494	7.7	10
154	Adaptive Decentralized Asymptotic Tracking Control for Large-Scale Nonlinear Systems With Unknown Strong Interconnections. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 1-14	7	9
153	Offline and Online Adaptive Critic Control Designs With Stability Guarantee Through Value Iteration. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	6
152	Adaptive-critic-based hybrid intelligent optimal tracking for a class of nonlinear discrete-time systems. <i>Engineering Applications of Artificial Intelligence</i> , 2021 , 105, 104443	7.2	4
151	Adaptive neural tracking control of high-order nonlinear systems with quantized input. <i>Neurocomputing</i> , 2021 , 456, 156-167	5.4	1

150	Neural optimal tracking control of constrained nonaffine systems with a wastewater treatment application. <i>Neural Networks</i> , 2021 , 143, 121-132	9.1	13
149	Neural-network-based discounted optimal control via an integrated value iteration with accuracy guarantee. <i>Neural Networks</i> , 2021 , 144, 176-186	9.1	4
148	Time-/Event-Triggered Adaptive Neural Asymptotic Tracking Control for Nonlinear Systems With Full-State Constraints and Application to a Single-Link Robot. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	3
147	Adaptive Optimal Control for Unknown Constrained Nonlinear Systems With a Novel Quasi-Model Network. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	2
146	Policy Gradient Adaptive Critic Design with Dynamic Prioritized Experience Replay for Wastewater Treatment Process Control. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	2
145	An Approximate Neuro-Optimal Solution of Discounted Guaranteed Cost Control Design. <i>IEEE Transactions on Cybernetics</i> , 2020 ,	10.2	18
144	Data-based composite control design with critic intelligence for a wastewater treatment platform. <i>Artificial Intelligence Review</i> , 2020 , 53, 3773-3785	9.7	7
143	Event-triggered constrained control with DHP implementation for nonaffine discrete-time systems. <i>Information Sciences</i> , 2020 , 519, 110-123	7.7	12
142	Improved value iteration for neural-network-based stochastic optimal control design. <i>Neural Networks</i> , 2020 , 124, 280-295	9.1	7
141	Mixed Driven Iterative Adaptive Critic Control Design Towards Nonaffine Discrete-Time Plants. <i>IFAC-PapersOnLine</i> , 2020 , 53, 3803-3808	0.7	1
140	Data-Based Nonaffine Optimal Tracking Control Using Iterative DHP Approach. <i>IFAC-PapersOnLine</i> , 2020 , 53, 4246-4251	0.7	6
139	Neural critic learning toward robust dynamic stabilization. <i>International Journal of Robust and Nonlinear Control</i> , 2020 , 30, 2020-2032	3.6	10
138	Adaptive Neural Output-Feedback Controller Design of Switched Nonlower Triangular Nonlinear Systems With Time Delays. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 4084-4093	10.3	53
137	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	7.3	14
136	Event-Triggered Adaptive Critic Control Design for Discrete-Time Constrained Nonlinear Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 3158-3168	7.3	35
135	Asymptotically stable critic designs for approximate optimal stabilization of nonlinear systems subject to mismatched external disturbances. <i>Neurocomputing</i> , 2020 , 396, 201-208	5.4	6
134	Intelligent Critic Control With Robustness Guarantee of Disturbed Nonlinear Plants. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 2740-2748	10.2	15
133	Neuro-Optimal Control for Discrete Stochastic Processes via a Novel Policy Iteration Algorithm. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 3972-3985	7.3	3

132	Self-Learning Optimal Regulation for Discrete-Time Nonlinear Systems Under Event-Driven Formulation. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 1272-1279	5.9	80
131	Robust Policy Learning Control of Nonlinear Plants With Case Studies for a Power System Application. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 1733-1741	11.9	12
130	Self-Learning Robust Control Synthesis and Trajectory Tracking of Uncertain Dynamics. <i>IEEE Transactions on Cybernetics</i> , 2020 ,	10.2	6
129	Approximate neural optimal control with reinforcement learning for a torsional pendulum device. <i>Neural Networks</i> , 2019 , 117, 1-7	9.1	21
128	Advanced policy learning near-optimal regulation. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2019 , 6, 743-749	7.9	8
127	Adaptive Neural State-Feedback Tracking Control of Stochastic Nonlinear Switched Systems: An Average Dwell-Time Method. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 1076-1087	10.3	145
126	ADP-Based Supplementary Design for Load Frequency Control of Power Systems. <i>Studies in Systems, Decision and Control</i> , 2019 , 281-304	0.8	0
125	Robust Optimal Control of Nonlinear Systems with Matched Uncertainties. <i>Studies in Systems, Decision and Control</i> , 2019 , 45-84	0.8	
124	Observer-Based Online Adaptive Regulation for a Class of Uncertain Nonlinear Systems. <i>Studies in Systems, Decision and Control</i> , 2019 , 85-115	0.8	
123	Adaptive Tracking Control of Nonlinear Systems Subject to Matched Uncertainties. <i>Studies in Systems, Decision and Control</i> , 2019 , 117-144	0.8	
122	Event-Triggered Robust Stabilization Incorporating an Adaptive Critic Mechanism. <i>Studies in Systems, Decision and Control</i> , 2019 , 145-172	0.8	
121	Event-Triggered Nonlinear (H_{∞}) Control Design via an Improved Critic Learning Strategy. <i>Studies in Systems, Decision and Control</i> , 2019 , 229-255	0.8	
120	Intelligent Critic Control with Disturbance Attenuation for a Micro-Grid System. <i>Studies in Systems, Decision and Control</i> , 2019 , 257-280	0.8	
119	Robust Stabilization and Trajectory Tracking of General Uncertain Nonlinear Systems. <i>Studies in Systems, Decision and Control</i> , 2019 , 199-227	0.8	
118	Overview of Robust Adaptive Critic Control Design. <i>Studies in Systems, Decision and Control</i> , 2019 , 1-43	0.8	
117	An Improved Adaptive Optimal Regulation Framework with Robust Control Synthesis. <i>Studies in Systems, Decision and Control</i> , 2019 , 173-197	0.8	
116	Control-Limited Adaptive Dynamic Programming for Multi-Battery Energy Storage Systems. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 4235-4244	10.7	32
115	A Novel Neural-Network-Based Adaptive Control Scheme for Output-Constrained Stochastic Switched Nonlinear Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 418-432	7.3	77

114	Neural robust stabilization via event-triggering mechanism and adaptive learning technique. <i>Neural Networks</i> , 2018 , 102, 27-35	9.1	29
113	Adaptive Neural Output-Feedback Control for a Class of Nonlower Triangular Nonlinear Systems With Unmodeled Dynamics. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 3658-3668	10.3	95
112	Learning and Guaranteed Cost Control With Event-Based Adaptive Critic Implementation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 6004-6014	10.3	49
111	Connectivity preservation of second-order nonlinear multiagent systems with hybrid event-driven and time-driven control. <i>International Journal of Systems Science</i> , 2018 , 49, 1368-1382	2.3	1
110	Intelligent Optimal Control With Critic Learning for a Nonlinear Overhead Crane System. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 2932-2940	11.9	65
109	Distributed algorithm for dissensus of a class of networked multiagent systems using output information. <i>Soft Computing</i> , 2018 , 22, 273-282	3.5	2
108	Event-Based Robust Control for Uncertain Nonlinear Systems Using Adaptive Dynamic Programming. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 37-50	10.3	97
107	Data-Based Optimal Control for Weakly Coupled Nonlinear Systems Using Policy Iteration. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 511-521	7.3	15
106	Connectivity preserved nonlinear time-delayed multiagent systems using neural networks and event-based mechanism. <i>Neural Computing and Applications</i> , 2018 , 29, 361-369	4.8	4
105	Decentralized Control for Large-Scale Nonlinear Systems With Unknown Mismatched Interconnections via Policy Iteration. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 1725-1735	7.3	59
104	Manifold Regularized Reinforcement Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 932-943	10.3	15
103	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	10.3	56
102	Decentralized adaptive optimal stabilization of nonlinear systems with matched interconnections. <i>Soft Computing</i> , 2018 , 22, 2705-2715	3.5	15
101	Adaptive-Critic-Based Robust Trajectory Tracking of Uncertain Dynamics and Its Application to a Spring-Mass-Damper System. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 654-663	8.9	43
100	Model-Free Adaptive Control for Unknown Nonlinear Zero-Sum Differential Game. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 1633-1646	10.2	50
99	Neural network robust tracking control with adaptive critic framework for uncertain nonlinear systems. <i>Neural Networks</i> , 2018 , 97, 11-18	9.1	28
98	Data-Driven Finite-Horizon Approximate Optimal Control for Discrete-Time Nonlinear Systems Using Iterative HDP Approach. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 2948-2961	10.2	36
97	Neural Network Learning and Robust Stabilization of Nonlinear Systems With Dynamic Uncertainties. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 1342-1351	10.3	41

96	Local Tracking Control for Unknown Interconnected Systems via Neuro-Dynamic Programming. <i>Lecture Notes in Computer Science</i> , 2018 , 258-268	0.9	
95	Error Bound Analysis of Q^* -Function for Discounted Optimal Control Problems With Policy Iteration. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 1207-1216	7.3	13
94	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	7.3	75
93	Overview of Adaptive Dynamic Programming. <i>Advances in Industrial Control</i> , 2017 , 1-33	0.3	2
92	Decentralized Control of Continuous-Time Interconnected Nonlinear Systems. <i>Advances in Industrial Control</i> , 2017 , 387-415	0.3	
91	Learning Algorithms for Differential Games of Continuous-Time Systems. <i>Advances in Industrial Control</i> , 2017 , 417-480	0.3	2
90	Data-Based Neuro-Optimal Temperature Control of Water Gas Shift Reaction. <i>Advances in Industrial Control</i> , 2017 , 571-590	0.3	
89	Value Iteration ADP for Discrete-Time Nonlinear Systems. <i>Advances in Industrial Control</i> , 2017 , 37-90	0.3	2
88	Policy Iteration for Optimal Control of Discrete-Time Nonlinear Systems. <i>Advances in Industrial Control</i> , 2017 , 151-175	0.3	
87	Error Bounds of Adaptive Dynamic Programming Algorithms. <i>Advances in Industrial Control</i> , 2017 , 223-264	0.3	13
86	Online Optimal Control of Continuous-Time Affine Nonlinear Systems. <i>Advances in Industrial Control</i> , 2017 , 267-307	0.3	
85	Optimal Control of Unknown Continuous-Time Nonaffine Nonlinear Systems. <i>Advances in Industrial Control</i> , 2017 , 309-344	0.3	1
84	Robust and Optimal Guaranteed Cost Control of Continuous-Time Nonlinear Systems. <i>Advances in Industrial Control</i> , 2017 , 345-386	0.3	
83	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	7.3	21
82	Intelligent Critic Control With Disturbance Attenuation for Affine Dynamics Including an Application to a Microgrid System. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 4935-4944	8.9	53
81	Adaptive near-optimal controllers for non-linear decentralised feedback stabilisation problems. <i>IET Control Theory and Applications</i> , 2017 , 11, 799-806	2.5	21
80	Improving the Critic Learning for Event-Based Nonlinear H_{∞} Control Design. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 3417-3428	10.2	45
79	Developing nonlinear adaptive optimal regulators through an improved neural learning mechanism. <i>Science China Information Sciences</i> , 2017 , 60, 1	3.4	11

78	Novel iterative neural dynamic programming for data-based approximate optimal control design. <i>Automatica</i> , 2017 , 81, 240-252	5.7	95
77	Adaptive tracking control for a class of continuous-time uncertain nonlinear systems using the approximate solution of HJB equation. <i>Neurocomputing</i> , 2017 , 260, 432-442	5.4	18
76	Event-Driven Nonlinear Discounted Optimal Regulation Involving a Power System Application. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 8177-8186	8.9	51
75	Bounded robust control design for uncertain nonlinear systems using single-network adaptive dynamic programming. <i>Neurocomputing</i> , 2017 , 266, 128-140	5.4	16
74	A novel neural optimal control framework with nonlinear dynamics: Closed-loop stability and simulation verification. <i>Neurocomputing</i> , 2017 , 266, 353-360	5.4	11
73	Neural-network-based adaptive guaranteed cost control of nonlinear dynamical systems with matched uncertainties. <i>Neurocomputing</i> , 2017 , 245, 46-54	5.4	25
72	Adaptive Dynamic Programming with Applications in Optimal Control. <i>Advances in Industrial Control</i> , 2017 ,	0.3	111
71	Robust adaptive critic control design with network-based event-triggered formulation. <i>Nonlinear Dynamics</i> , 2017 , 90, 2023-2035	5	23
70	Neural network adaptive critic control with disturbance rejection 2017 ,		1
69	Robust Control of Uncertain Nonlinear Systems Based on Adaptive Dynamic Programming. <i>Lecture Notes in Computer Science</i> , 2017 , 787-796	0.9	
68	Long short-term memory based on a reward/punishment strategy for recurrent neural networks 2017 ,		2
67	Adaptive critic designs for solving event-based H _∞ control problems 2017 ,		1
66	Adaptive Critic Nonlinear Robust Control: A Survey. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 3429-3451	10.2	166
65	Policy Gradient Adaptive Dynamic Programming for Data-Based Optimal Control. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 3341-3354	10.2	84
64	Adaptation-Oriented Near-Optimal Control and Robust Synthesis of an Overhead Crane System. <i>Lecture Notes in Computer Science</i> , 2017 , 42-50	0.9	3
63	Event-Triggered Adaptive Dynamic Programming for Uncertain Nonlinear Systems. <i>Communications in Computer and Information Science</i> , 2017 , 13-26	0.3	1
62	Neural-Network-Based Distributed Adaptive Robust Control for a Class of Nonlinear Multiagent Systems With Time Delays and External Noises. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 750-758	7.3	94
61	An Approximate Optimal Control Approach for Robust Stabilization of a Class of Discrete-Time Nonlinear Systems With Uncertainties. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 713-717	7.3	95

60	Event-based input-constrained nonlinear H _∞ state feedback with adaptive critic and neural implementation. <i>Neurocomputing</i> , 2016 , 214, 848-856	5.4	38
59	Model-Free Optimal Tracking Control via Critic-Only Q-Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 2134-44	10.3	165
58	Distributed control of second-order nonlinear time-delayed multiagent systems with disturbance using neural networks 2016 ,		1
57	Decentralized guaranteed cost control of interconnected systems with uncertainties: A learning-based optimal control strategy. <i>Neurocomputing</i> , 2016 , 214, 297-306	5.4	39
56	Data-based robust optimal control of continuous-time affine nonlinear systems with matched uncertainties. <i>Information Sciences</i> , 2016 , 366, 121-133	7.7	36
55	A neural-network-based online optimal control approach for nonlinear robust decentralized stabilization. <i>Soft Computing</i> , 2016 , 20, 707-716	3.5	20
54	Experience Replay for Optimal Control of Nonzero-Sum Game Systems With Unknown Dynamics. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 854-65	10.2	126
53	Bipartite output consensus in networked multi-agent systems of high-order power integrators with signed digraph and input noises. <i>International Journal of Systems Science</i> , 2016 , 47, 3116-3131	2.3	17
52	Guaranteed cost neural tracking control for a class of uncertain nonlinear systems using adaptive dynamic programming. <i>Neurocomputing</i> , 2016 , 198, 80-90	5.4	69
51	Data-Based Adaptive Critic Designs for Nonlinear Robust Optimal Control With Uncertain Dynamics. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 1544-1555	7.3	142
50	Data-driven controller design for general MIMO nonlinear systems via virtual reference feedback tuning and neural networks. <i>Neurocomputing</i> , 2016 , 171, 815-825	5.4	50
49	Distributed control algorithm for bipartite consensus of the nonlinear time-delayed multi-agent systems with neural networks. <i>Neurocomputing</i> , 2016 , 174, 928-936	5.4	30
48	Decentralized Stabilization for Nonlinear Systems with Unknown Mismatched Interconnections. <i>Lecture Notes in Computer Science</i> , 2016 , 185-192	0.9	
47	Neural Dynamic Programming for Event-Based Nonlinear Adaptive Robust Stabilization. <i>Lecture Notes in Computer Science</i> , 2016 , 149-157	0.9	
46	Adaptive-critic-based event-driven nonlinear robust state feedback 2016 ,		4
45	Centralized and decentralized event-triggered control for group consensus with fixed topology in continuous time. <i>Neurocomputing</i> , 2015 , 161, 267-276	5.4	37
44	Neural-network-based decentralized control of continuous-time nonlinear interconnected systems with unknown dynamics. <i>Neurocomputing</i> , 2015 , 165, 90-98	5.4	35
43	Reinforcement-Learning-Based Robust Controller Design for Continuous-Time Uncertain Nonlinear Systems Subject to Input Constraints. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 1372-85	10.2	177

42	Error bounds of adaptive dynamic programming algorithms for solving undiscounted optimal control problems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 1323-34	10.3	43
41	Adaptive dynamic programming for infinite horizon optimal robust guaranteed cost control of a class of uncertain nonlinear systems 2015 ,		5
40	Approximate policy iteration with unsupervised feature learning based on manifold regularization 2015 ,		2
39	Feature selection and feature learning for high-dimensional batch reinforcement learning: A survey. <i>International Journal of Automation and Computing</i> , 2015 , 12, 229-242	3.5	22
38	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	3.6	11
37	Continuous-time group consensus using distributed event-triggered control 2015 ,		3
36	A novel self-learning optimal control approach for decentralized guaranteed cost control of a class of complex nonlinear systems 2015 ,		1
35	Model-Free Optimal Control for Affine Nonlinear Systems With Convergence Analysis. <i>IEEE Transactions on Automation Science and Engineering</i> , 2015 , 12, 1461-1468	4.9	51
34	Distributed Control for Nonlinear Time-Delayed Multi-Agent Systems with Connectivity Preservation Using Neural Networks. <i>Lecture Notes in Computer Science</i> , 2015 , 34-42	0.9	2
33	Policy Iteration Algorithm for Online Design of Robust Control for a Class of Continuous-Time Nonlinear Systems. <i>IEEE Transactions on Automation Science and Engineering</i> , 2014 , 11, 627-632	4.9	133
32	Decentralized stabilization for a class of continuous-time nonlinear interconnected systems using online learning optimal control approach. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 418-28	10.3	199
31	Data-driven iterative adaptive dynamic programming algorithm for approximate optimal control of unknown nonlinear systems 2014 ,		2
30	Neural-network-based online HJB solution for optimal robust guaranteed cost control of continuous-time uncertain nonlinear systems. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 2834-47	10.2	182
29	Integral Reinforcement Learning for Linear Continuous-Time Zero-Sum Games With Completely Unknown Dynamics. <i>IEEE Transactions on Automation Science and Engineering</i> , 2014 , 11, 706-714	4.9	99
28	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2014 , 44, 1015-1027	7.3	136
27	Neural-network-based robust optimal control design for a class of uncertain nonlinear systems via adaptive dynamic programming. <i>Information Sciences</i> , 2014 , 282, 167-179	7.7	94
26	Full-range adaptive cruise control based on supervised adaptive dynamic programming. <i>Neurocomputing</i> , 2014 , 125, 57-67	5.4	70
25	Reinforcement-Learning-Based Online Learning Control for Discrete-Time Unknown Nonaffine Nonlinear Systems 2014 , 49-81		

24	Output-based high-order bipartite consensus under directed antagonistic networks 2014 ,		4
23	Reinforcement learning for adaptive optimal control of unknown continuous-time nonlinear systems with input constraints. <i>International Journal of Control</i> , 2014 , 87, 553-566	1.5	115
22	Decentralized control for a class of nonlinear interconnected systems using integral policy iteration 2014 ,		1
21	Constrained online optimal control for continuous-time nonlinear systems using neuro-dynamic programming 2014 ,		2
20	Discrete-time online learning control for a class of unknown nonaffine nonlinear systems using reinforcement learning. <i>Neural Networks</i> , 2014 , 55, 30-41	9.1	42
19	Approximate optimal solution of the DTHJB equation for a class of nonlinear affine systems with unknown dead-zone constraints. <i>Soft Computing</i> , 2014 , 18, 349-357	3.5	4
18	Neural-network-based zero-sum game for discrete-time nonlinear systems via iterative adaptive dynamic programming algorithm. <i>Neurocomputing</i> , 2013 , 110, 92-100	5.4	121
17	Optimal Control of Unknown Nonlinear Discrete-Time Systems Using the Iterative Globalized Dual Heuristic Programming Algorithm 2013 , 52-77		9
16	Adaptive Dynamic Programming for Control. <i>Communications and Control Engineering</i> , 2013 ,	0.6	145
15	Terrain recognition improves the performance of neural-machine interface for locomotion mode recognition 2013 ,		9
14	A neural-network-based iterative GDHP approach for solving a class of nonlinear optimal control problems with control constraints. <i>Neural Computing and Applications</i> , 2013 , 22, 219-227	4.8	25
13	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	7.7	99
12	Dual iterative adaptive dynamic programming for a class of discrete-time nonlinear systems with time-delays. <i>Neural Computing and Applications</i> , 2013 , 23, 1851-1863	4.8	26
11	Neuro-optimal control for a class of unknown nonlinear dynamic systems using SN-DHP technique. <i>Neurocomputing</i> , 2013 , 121, 218-225	5.4	52
10	Optimal Tracking Control for Discrete-Time Systems. <i>Communications and Control Engineering</i> , 2013 , 109-160	0.6	
9	Neural-network-observer-based optimal control for unknown nonlinear systems using adaptive dynamic programming. <i>International Journal of Control</i> , 2013 , 86, 1554-1566	1.5	90
8	Data-based Self-learning Optimal Control: Research Progress and Prospects. <i>Zidonghua Xuebao/Acta Automatica Sinica</i> , 2013 , 39, 1858		26
7	Neural-Network-Based Optimal Control for a Class of Unknown Discrete-Time Nonlinear Systems Using Globalized Dual Heuristic Programming. <i>IEEE Transactions on Automation Science and Engineering</i> , 2012 , 9, 628-634	4.9	104

6	Finite-horizon neuro-optimal tracking control for a class of discrete-time nonlinear systems using adaptive dynamic programming approach. <i>Neurocomputing</i> , 2012 , 78, 14-22	5.4	157
5	Finite-horizon neural optimal tracking control for a class of nonlinear systems with unknown dynamics 2012 ,		3
4	Optimal control of unknown nonaffine nonlinear discrete-time systems based on adaptive dynamic programming. <i>Automatica</i> , 2012 , 48, 1825-1832	5.7	265
3	A data-based neural policy learning strategy towards robust tracking control design for uncertain dynamic systems. <i>International Journal of Systems Science</i> ,1-14	2.3	1
2	Discounted near-optimal regulation of constrained nonlinear systems via generalized value iteration. <i>International Journal of Robust and Nonlinear Control</i> ,	3.6	3
1	Adaptive critic optimization to decentralized event-triggered control of continuous-time nonlinear interconnected systems. <i>Optimal Control Applications and Methods</i> ,	1.7	2