Biao Luo

List of Publications by Year
in descending order

27 papers	2,431 citations	331259 21 h-index	610482 24 g-index
27 all docs	27 docs citations	27 times ranked	1201 citing authors

#	ARTICLE	IF	CITATIONS
1	Constrained Event-Triggered H_∞ Control Based on Adaptive Dynamic Programming With Concurrent Learning. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 357-369.	5.9	51
2	Event-triggered integral reinforcement learning for nonzero-sum games with asymmetric input saturation. Neural Networks, 2022, 152, 212-223.	3.3	15
3	Adaptive Dynamic Programming for Control: A Survey and Recent Advances. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 142-160.	5.9	280
4	Balancing Value Iteration and Policy Iteration for Discrete-Time Control. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3948-3958.	5.9	47
5	Event-Triggered Adaptive Dynamic Programming for Zero-Sum Game of Partially Unknown Continuous-Time Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3189-3199.	5.9	90
6	Integral reinforcement learning based event-triggered control with input saturation. Neural Networks, 2020, 131, 144-153.	3.3	19
7	Optimal Output Regulation for Model-Free Quanser Helicopter With Multistep Q-Learning. IEEE Transactions on Industrial Electronics, 2018, 65, 4953-4961.	5.2	76
8	Adaptive Q-Learning for Data-Based Optimal Output Regulation With Experience Replay. IEEE Transactions on Cybernetics, 2018, 48, 3337-3348.	6.2	108
9	Adaptive Constrained Optimal Control Design for Data-Based Nonlinear Discrete-Time Systems With Critic-Only Structure. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2099-2111.	7.2	86
10	Pinning synchronization of memristor-based neural networks with time-varying delays. Neural Networks, 2017, 93, 143-151.	3.3	46
11	Long short-term memory based on a reward/punishment strategy for recurrent neural networks. , 2017, , .		4
12	Policy Gradient Adaptive Dynamic Programming for Data-Based Optimal Control. IEEE Transactions on Cybernetics, 2017, 47, 3341-3354.	6.2	145
13	Data-based robust adaptive control for a class of unknown nonlinear constrained-input systems via integral reinforcement learning. Information Sciences, 2016, 369, 731-747.	4.0	70
14	Model-Free Optimal Tracking Control via Critic-Only Q-Learning. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2134-2144.	7.2	245
15	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.	3.7	21
16	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.	5.9	128
17	RBF neural network identifier based constrained optimal guidance for Mars entry vehicles. , 2015, , .		0
18	Adaptive Optimal Control of Highly Dissipative Nonlinear Spatially Distributed Processes With Neuro-Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 684-696.	7.2	115

#	Article	IF	Citations
19	Off-Policy Reinforcement Learning for <inline-formula> <tex-math notation="LaTeX">H_infty </tex-math></inline-formula> Control Design. IEEE Transactions on Cybernetics, 2015, 45, 65-76.	6.2	292
20	Reinforcement learning solution for HJB equation arising in constrained optimal control problem. Neural Networks, 2015, 71, 150-158.	3.3	97
21	Data-Driven <inline-formula> <tex-math notation="LaTeX">H_infty </tex-math></inline-formula> Control for Nonlinear Distributed Parameter Systems. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 2949-2961.	7.2	93
22	Data-based approximate policy iteration for affine nonlinear continuous-time optimal control design. Automatica, 2014, 50, 3281-3290.	3.0	228
23	Data-based Suboptimal Neuro-control Design with Reinforcement Learning for Dissipative Spatially Distributed Processes. Industrial & Engineering Chemistry Research, 2014, 53, 8106-8119.	1.8	32
24	Computationally efficient simultaneous policy update algorithm for nonlinear H_∞ state feedback control with Galerkin's method. International Journal of Robust and Nonlinear Control, 2013, 23, 991-1012.	2.1	55
25	Approximate Optimal Control Design for Nonlinear One-Dimensional Parabolic PDE Systems Using Empirical Eigenfunctions and Neural Network. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 1538-1549.	5.5	66
26	Online policy iteration algorithm for optimal control of linear hyperbolic PDE systems. Journal of Process Control, 2012, 22, 1161-1170.	1.7	22
27	Adaptive optimal control for an air-breathing hypersonic vehicle. , 2011, , .		0