Guoxing Wen

List of Publications by Year
in descending order

31 papers	1,627 citations

448610

19 h-index	29 g-index

536525

31 all docs	31 docs citations

31 times ranked	1092 citing authors

#	ARTICLE	IF	CITATIONS
1	Time-Varying Optimal Formation Control for Second-Order Multiagent Systems Based on Neural Network Observer and Reinforcement Learning. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 3144-3155.	7.2	17
2	Game-Based Backstepping Design for Strict-Feedback Nonlinear Multi-Agent Systems Based on Reinforcement Learning. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 817-830.	7.2	12
3	Optimized Backstepping Tracking Control Using Reinforcement Learning for a Class of Stochastic Nonlinear Strict-Feedback Systems. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 1291-1303.	7.2	23
4	Optimized Backstepping Consensus Control Using Reinforcement Learning for a Class of Nonlinear Strict-Feedback-Dynamic Multi-Agent Systems. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 1524-1536.	7.2	27
5	Optimized Backstepping Tracking Control Using Reinforcement Learning for Quadrotor Unmanned Aerial Vehicle System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5004-5015.	5.9	24
6	Adaptive Tracking Control for Perturbed Strict-Feedback Nonlinear Systems Based on Optimized Backstepping Technique. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 853-865.	7.2	47
7	Optimized Leader-Follower Consensus Control Using Reinforcement Learning for a Class of Second-Order Nonlinear Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5546-5555.	5.9	19
8	Decentralized adaptive formation control based on sliding mode strategy for a class of second-order nonlinear unknown dynamic multi-agent systems. International Journal of Adaptive Control and Signal Processing, 2022, 36, 1045-1058.	2.3	7
9	Adaptive Neural Network Sliding Mode Control for a Class of SISO Nonlinear Systems. Mathematics, 2022, 10, 1182.	1.1	1
10	Reinforcement learning-based optimized backstepping control of nonlinear strict feedback system with unknown control gain function. Optimal Control Applications and Methods, 2022, 43, 1358-1378.	1.3	4
11	Reinforcement learning-based optimised control for a class of second-order nonlinear dynamic systems. International Journal of Systems Science, 2022, 53, 3154-3164.	3.7	3
12	Optimized tracking control based on reinforcement learning for a class of high-order unknown nonlinear dynamic systems. Information Sciences, 2022, 606, 368-379.	4.0	10
13	Simplified Optimized Backstepping Control for a Class of Nonlinear Strict-Feedback Systems With Unknown Dynamic Functions. IEEE Transactions on Cybernetics, 2021, 51, 4567-4580.	6.2	114
14	Command-filter-based adaptive finite-time consensus control for nonlinear strict-feedback multi-agent systems with dynamic leader. Information Sciences, 2021, 565, 17-31.	4.0	29
15	Adaptive Neural Network Optimized Control Using Reinforcement Learning of Critic-Actor Architecture for a Class of Non-Affine Nonlinear Systems. IEEE Access, 2021, 9, 141758-141765.	2.6	3
16	Optimized Formation Control Using Simplified Reinforcement Learning for a Class of Multiagent Systems With Unknown Dynamics. IEEE Transactions on Industrial Electronics, 2020, 67, 7879-7888.	5.2	70
17	Simplified optimized control using reinforcement learning algorithm for a class of stochastic nonlinear systems. Information Sciences, 2020, 517, 230-243.	4.0	48
18	Adaptive Neural Network Leader-Follower Formation Control for a Class of Second-Order Nonlinear Multi-Agent Systems With Unknown Dynamics. IEEE Access, 2020, 8, 148149-148156.	2.6	11

#	Article	IF	Citations
19	Adaptive neural network control for time-varying state constrained nonlinear stochastic systems with input saturation. Information Sciences, 2020, 527, 191-209.	4.0	49
20	Adaptive neural network output feedback control for stochastic nonlinear systems with full state constraints. ISA Transactions, 2020, 101, 60-68.	3.1	64
21	Adaptive Tracking Control of Surface Vessel Using Optimized Backstepping Technique. IEEE Transactions on Cybernetics, 2019, 49, 3420-3431.	6.2	138
22	Formation control with obstacle avoidance of second-order multi-agent systems under directed communication topology. Science China Information Sciences, 2019, 62, 1.	2.7	50
23	Optimized Adaptive Nonlinear Tracking Control Using Actorâ€"Critic Reinforcement Learning Strategy. IEEE Transactions on Industrial Informatics, 2019, 15, 4969-4977.	7.2	104
24	Neural networkâ€"based reconfiguration control for spacecraft formation in obstacle environments. International Journal of Robust and Nonlinear Control, 2018, 28, 2442-2456.	2.1	33
25	Optimized Multi-Agent Formation Control Based on an Identifierâ€"Actorâ€"Critic Reinforcement Learning Algorithm. IEEE Transactions on Fuzzy Systems, 2018, 26, 2719-2731.	6.5	115
26	Formation Control With Obstacle Avoidance for a Class of Stochastic Multiagent Systems. IEEE Transactions on Industrial Electronics, 2018, 65, 5847-5855.	5.2	138
27	Optimized Backstepping for Tracking Control of Strict-Feedback Systems. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3850-3862.	7.2	135
28	H<inf>â^ž</inf> Time-Varying Formation Control of Multiple Spacecraft System. , 2018, , .		0
29	Simulation and Comparison of Different Types of First-order Decentralized Sliding Mode Estimators. , 2018, , .		0
30	Artificial Potential-Based Adaptive $${{H}_{infty }}$ Synchronized Tracking Control for Accommodation Vessel. IEEE Transactions on Industrial Electronics, 2017, 64, 5640-5647.	5.2	42
31	Neural Network-Based Adaptive Leader-Following Consensus Control for a Class of Nonlinear Multiagent State-Delay Systems. IEEE Transactions on Cybernetics, 2017, 47, 2151-2160.	6.2	290