

Bin Li

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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.	11.3	23
2	Optimized tracking control using reinforcement learning strategy for a class of nonlinear systems. Asian Journal of Control, 2023, 25, 2095-2104.	3.0	2
3	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.	9.3	19
4	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.	4.1	7
5	Optimized Backstepping Control Using Reinforcement Learning of Observer-Critic-Actor Architecture Based on Fuzzy System for a Class of Nonlinear Strict-Feedback Systems. IEEE Transactions on Fuzzy Systems, 2022, 30, 4322-4335.	9.8	28
6	Adaptive Neural Network Sliding Mode Control for a Class of SISO Nonlinear Systems. Mathematics, 2022, 10, 1182.	2.2	1
7	MS-ALN: Multiscale Attention Learning Network for Pest Recognition. IEEE Access, 2022, 10, 40888-40898.	4.2	10
8	Reinforcement learning-based optimised control for a class of second-order nonlinear dynamic systems. International Journal of Systems Science, 2022, 53, 3154-3164.	5.5	3
9	Consensus Control for Networked Manipulators With Switched Parameters and Topologies. IEEE Access, 2021, 9, 9209-9217.	4.2	45
10	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.	4.2	3
11	Research and Realization of Target Following and Autonomous Obstacle Avoidance Algorithm of Quadruped Robot. , 2021, , .		0
12	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.	7.9	70
13	Analysis and Verification on Energy Consumption of the Quadruped Robot with Passive Compliant Hydraulic Servo Actuator. Applied Sciences (Switzerland), 2020, 10, 340.	2.5	11
14	Two Types of Synchronization Problems in a New 5D Hyperchaotic System. Mathematical Problems in Engineering, 2020, 2020, 1-8.	1.1	0
15	Gait Recognition Based on the Feature Extraction of Gabor Filter and Linear Discriminant Analysis and Improved Local Coupled Extreme Learning Machine. Mathematical Problems in Engineering, 2020, 2020, 1-9.	1.1	9
16	A Novel Dynamic Path Re-Planning Algorithm With Heading Constraints for Human Following Robots. IEEE Access, 2020, 8, 49329-49337.	4.2	6
17	A Fast and Accurate Recognition of ECG Signals Based on ELM-LRF and BLSTM Algorithm. IEEE Access, 2020, 8, 71189-71198.	4.2	14
18	Extreme learning machine with feature mapping of kernel function. IET Image Processing, 2020, 14, 2495-2502.	2.5	2

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19	Movements and Balance Control of a Wheel-Leg Robot Based on Uncertainty and Disturbance Estimation Method. IEEE Access, 2019, 7, 133265-133273.	4.2	15
20	Speed and Acceleration Control for a Two Wheel-Leg Robot Based on Distributed Dynamic Model and Whole-Body Control. IEEE Access, 2019, 7, 180630-180639.	4.2	12
21	Local Coupled Extreme Learning Machine Based on Particle Swarm Optimization. Algorithms, 2018, 11, 174.	2.1	7
22	Effect Analysis of the CM Position on Posture of the Biped Robot*. , 2018, , .		0
23	Leader Recognition and Tracking for Quadruped Robots. , 2018, , .		2
24	Stabilization of a Class of Chaotic Systems in Arbitrary Dimensions Based on Triangular System Form. , 2018, , .		0
25	Some control problems of permanent magnet synchronous motor system by single input controllers. , 2017, , .		0
26	Leader recognition based on 2D laser scanner and pan-tilt for quadruped robots. , 2017, , .		4
27	An optimized discontinuous crawl gait for quadruped robot. , 2017, , .		2
28	Research on smooth trot-to-walk gait transition algorithm for quadruped robot. , 2017, , .		6
29	Control problems of chaotic systems based on triangle system form. , 2016, , .		0
30	A combined COG adjustment approach of the crawl gait for quadruped robot. , 2016, , .		1
31	A turning gait generation approach for quadruped robot based on trotting gait. , 2016, , .		5
32	Torso motion control and toe trajectory generation of a trotting quadruped robot based on virtual model control. Advanced Robotics, 2016, 30, 284-297.	1.8	36
33	A Dynamic Balancing Approach for a Quadruped Robot Supported by Diagonal Legs. International Journal of Advanced Robotic Systems, 2015, 12, 142.	2.1	6
34	A free gait generation method for quadruped robots over rough terrains containing forbidden areas. Journal of Mechanical Science and Technology, 2015, 29, 3983-3993.	1.5	16
35	A Hybrid Optimization Algorithm for Extreme Learning Machine. Lecture Notes in Electrical Engineering, 2015, , 297-306.	0.4	2
36	An Improved Kernel Based Extreme Learning Machine for Robot Execution Failures. Scientific World Journal, The, 2014, 2014, 1-7.	2.1	17

#	ARTICLE	IF	CITATIONS
37	Input/output-to-state stable property of switched stochastic nonlinear systems by an improved average dwell time method. , 2014, , .		0
38	An impact recovery approach for quadruped robot with trotting gait. , 2014, , .		2
39	Stability analysis of switched nonlinear systems with an improved mode-dependent average dwell time method. , 2014, , .		2
40	Design for Several Hydraulic Parameters of a Quadruped Robot. Applied Mathematics and Information Sciences, 2014, 8, 2465-2470.	0.5	7
41	The extreme learning machine learning algorithm with tunable activation function. Neural Computing and Applications, 2013, 22, 531-539.	5.6	46
42	Design and simulation for a hydraulic actuated quadruped robot. Journal of Mechanical Science and Technology, 2012, 26, 1171-1177.	1.5	105