Bin Li

List of Publications by Year
in descending order

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Version: 2024-02-01

42 papers	546 citations	759233 12 h-index	677142 22 g-index
42 all docs	42 docs citations	42 times ranked	453 citing authors

#	Article	IF	Citations
1	Design and simulation for a hydraulic actuated quadruped robot. Journal of Mechanical Science and Technology, 2012, 26, 1171-1177.	1.5	105
2	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
3	The extreme learning machine learning algorithm with tunable activation function. Neural Computing and Applications, 2013, 22, 531-539.	5.6	46
4	Consensus Control for Networked Manipulators With Switched Parameters and Topologies. IEEE Access, 2021, 9, 9209-9217.	4.2	45
5	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
6	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
7	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
8	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
9	An Improved Kernel Based Extreme Learning Machine for Robot Execution Failures. Scientific World Journal, The, 2014, 2014, 1-7.	2.1	17
10	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
11	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
12	A Fast and Accurate Recognition of ECG Signals Based on ELM-LRF and BLSTM Algorithm. IEEE Access, 2020, 8, 71189-71198.	4.2	14
13	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
14	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
15	MS-ALN: Multiscale Attention Learning Network for Pest Recognition. IEEE Access, 2022, 10, 40888-40898.	4.2	10
16	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
17	Local Coupled Extreme Learning Machine Based on Particle Swarm Optimization. Algorithms, 2018, 11, 174.	2.1	7
18	Design for Several Hydraulic Parameters of a Quadruped Robot. Applied Mathematics and Information Sciences, 2014, 8, 2465-2470.	0.5	7

#	Article	IF	Citations
19	Decentralized adaptive formation control based on sliding mode strategy for a class of secondâ€order nonlinear unknown dynamic multiâ€agent systems. International Journal of Adaptive Control and Signal Processing, 2022, 36, 1045-1058.	4.1	7
20	A Dynamic Balancing Approach for a Quadruped Robot Supported by Diagonal Legs. International Journal of Advanced Robotic Systems, 2015, 12, 142.	2.1	6
21	Research on smooth trot-to-walk gait transition algorithm for quadruped robot. , 2017, , .		6
22	A Novel Dynamic Path Re-Planning Algorithm With Heading Constraints for Human Following Robots. IEEE Access, 2020, 8, 49329-49337.	4.2	6
23	A turning gait generation approach for quadruped robot based on trotting gait. , 2016, , .		5
24	Leader recognition based on 2D laser scanner and pan-tilt for quadruped robots. , 2017, , .		4
25	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
26	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
27	An impact recovery approach for quadruped robot with trotting gait. , 2014, , .		2
28	Stability analysis of switched nonlinear systems with an improved mode-dependent average dwell time method. , 2014, , .		2
29	An optimized discontinuous crawl gait for quadruped robot. , 2017, , .		2
30	Leader Recognition and Tracking for Quadruped Robots. , 2018, , .		2
31	A Hybrid Optimization Algorithm for Extreme Learning Machine. Lecture Notes in Electrical Engineering, 2015, , 297-306.	0.4	2
32	Extreme learning machine with feature mapping of kernel function. IET Image Processing, 2020, 14, 2495-2502.	2.5	2
33	Optimized tracking control using reinforcement learning strategy for a class of nonlinear systems. Asian Journal of Control, 2023, 25, 2095-2104.	3.0	2
34	A combined COG adjustment approach of the crawl gait for quadruped robot. , 2016, , .		1
35	Adaptive Neural Network Sliding Mode Control for a Class of SISO Nonlinear Systems. Mathematics, 2022, 10, 1182.	2.2	1
36	Input/output-to-state stable property of switched stochastic nonlinear systems by an improved average dwell time method. , 2014, , .		0

#	Article	IF	Citations
37	Control problems of chaotic systems based on triangle system form. , 2016, , .		0
38	Some control problems of permanent magnet synchronous motor system by single input controllers. , 2017, , .		0
39	Effect Analysis of the CM Position on Posture of the Biped Robot*. , 2018, , .		0
40	Two Types of Synchronization Problems in a New 5D Hyperchaotic System. Mathematical Problems in Engineering, 2020, 2020, 1-8.	1.1	0
41	Research and Realization of Target Following and Autonomous Obstacle Avoidance Algorithm of Quadruped Robot. , 2021, , .		0
42	Stabilization of a Class of Chaotic Systems in Arbitrary Dimensions Based on Triangular System Form. , 2018, , .		0