Xian Yang

List of Publications by Year
in descending order

54	1,088	430874	395702
papers	citations	18 h-index	33 g-index

58	58	58	1111
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hierarchical Decomposition-Based Distributed Full States Tracking Consensus for High-Order Nonlinear Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1296-1307.	9.3	2
2	Finite-Time Tracking Control of Autonomous Underwater Vehicle Without Velocity Measurements. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 6759-6773.	9.3	19
3	Integrated Localization and Tracking for AUV With Model Uncertainties via Scalable Sampling-Based Reinforcement Learning Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 6952-6967.	9.3	20
4	Trajectory Tracking Control of Autonomous Underwater Vehicle With Unknown Parameters and External Disturbances. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 1054-1063.	9.3	65
5	Privacy-Preserving Localization for Underwater Sensor Networks via Deep Reinforcement Learning. IEEE Transactions on Information Forensics and Security, 2021, 16, 1880-1895.	6.9	59
6	Adaptive Tracking Control of Autonomous Underwater Vehicle Under Stochastic Environmental Disturbances. , 2021, , .		0
7	Reinforcement Learning-Based Formation Control of Autonomous Underwater Vehicles with Model Interferences. , 2021, , .		1
8	Finite-Time Tracking Control ofÂAUV Without Velocity Measurements. Cognitive Intelligence and Robotics, 2021, , 133-164.	0.6	0
9	Rigid Graph-Based Asynchronous Localization ofÂAUVs. Cognitive Intelligence and Robotics, 2021, , 25-59.	0.6	0
10	Slide Mode-Based Joint Localization andÂTracking ofÂaÂSingle AUV. Cognitive Intelligence and Robotics, 2021, , 61-90.	0.6	0
11	Future Research Directions. Cognitive Intelligence and Robotics, 2021, , 207-211.	0.6	0
12	Autonomous Underwater Vehicles. Cognitive Intelligence and Robotics, 2021, , .	0.6	8
13	Joint Localization andÂTracking ofÂAUV ViaÂMultivariate Probabilistic Collocation. Cognitive Intelligence and Robotics, 2021, , 91-112.	0.6	0
14	Distributed Adaptive Output Feedback Leader-Following Consensus Control for Nonlinear Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4309-4317.	9.3	24
15	Effects of quantization and saturation on performance in bilateral teleoperator. International Journal of Robust and Nonlinear Control, 2020, 30, 121-141.	3.7	5
16	Position Tracking Control of Remotely Operated Underwater Vehicles With Communication Delay. IEEE Transactions on Control Systems Technology, 2020, 28, 2506-2514.	5.2	22
17	An obstacle avoiding method of autonomous underwater vehicle based on the reinforcement learning. , 2020, , .		5
18	Hâˆž Controller Design for Networked Control Systems with Quantization. , 2020, , .		0

#	Article	IF	Citations
19	Privacy Preserving Localization Algorithm for Underwater Sensor Networks. , 2020, , .		0
20	Velocity Observer-based Tracking Control of Autonomous Underwater Vehicle with Communication Delay. , 2019, , .		1
21	Tracking control of a remotely operated underwater vehicle with time delay and actuator saturation. Ocean Engineering, 2019, 184, 299-310.	4.3	16
22	Funnelâ€like prescribed tracking control for uncertain nonlinear stochastic switched systems. International Journal of Robust and Nonlinear Control, 2019, 29, 3936-3953.	3.7	3
23	Dynamic gain control of teleoperating cyber-physical system with time-varying delay. Nonlinear Dynamics, 2019, 95, 3049-3062.	5.2	8
24	Adaptive state feedback control for time-delay stochastic nonlinear systems based on dynamic gain method. International Journal of Control, 2019, 92, 2806-2819.	1.9	7
25	Stabilisation for teleoperation systems with sampled-data information feedback. International Journal of Control, 2019, 92, 2201-2209.	1.9	5
26	Adaptive Formation Control of Cooperative Teleoperators With Intermittent Communications. IEEE Transactions on Cybernetics, 2019, 49, 2514-2523.	9.5	52
27	Consensus Tracking for Teleoperating Cyber-physical System. International Journal of Control, Automation and Systems, 2018, 16, 1303-1311.	2.7	5
28	Energy-Efficient Data Collection Over AUV-Assisted Underwater Acoustic Sensor Network. IEEE Systems Journal, 2018, 12, 3519-3530.	4.6	119
29	Adaptive Fuzzy Prescribed Performance Control for Nonlinear Switched Time-Delay Systems With Unmodeled Dynamics. IEEE Transactions on Fuzzy Systems, 2018, 26, 1934-1945.	9.8	105
30	Adaptive state feedback control for switched stochastic highâ€order nonlinear systems under arbitrary switchings. International Journal of Robust and Nonlinear Control, 2018, 28, 2047-2063.	3.7	17
31	Tracking Control of An Autonomous Underwater Vehicle under Time Delay. , 2018, , .		1
32	Non-smooth state feedback prescribed performance control for interconnected nonlinear systems with unmodelled dynamics. International Journal of Systems Science, 2018, 49, 2888-2899.	5.5	4
33	Stability analysis of time-delay systems via free-matrix-based double integral inequality. International Journal of Systems Science, 2017, 48, 257-263.	5.5	35
34	Leader-follower finite-time formation control of multiple quadrotors with prescribed performance. International Journal of Systems Science, 2017, 48, 2499-2508.	5.5	47
35	Consensus of Teleoperating Cyber-Physical System via Centralized and Decentralized Controllers. IEEE Access, 2017, 5, 17271-17287.	4.2	6
36	On Exploring the Domain of Attraction for Bilateral Teleoperator Subject to Interval Delay and Saturated P + d Control Scheme. IEEE Transactions on Automatic Control, 2017, 62, 2923-2928.	5.7	34

#	Article	IF	Citations
37	Finite-time prescribed performance control for nonlinear systems with unmodeled dynamics. , 2016, , .		0
38	Output feedback prescribed performance control for interconnected time-delay systems with unmodeled dynamics and uncertain parameters. , 2016, , .		0
39	Distributed formation control for teleoperating cyber-physical system under time delay and actuator saturation constrains. Information Sciences, 2016, 370-371, 680-694.	6.9	31
40	An Exact Stability Condition for Bilateral Teleoperation With Delayed Communication Channel. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 434-439.	9.3	37
41	A New Master-Slave Torque Design for Teleoperation System by T-S Fuzzy Approach. IEEE Transactions on Control Systems Technology, 2015, 23, 1611-1619.	5.2	45
42	Ubiquitous Monitoring for Industrial Cyber-Physical Systems Over Relay- Assisted Wireless Sensor Networks. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 352-362.	4.6	123
43	Decentralised faultâ€tolerant finiteâ€time control for a class of interconnected nonâ€linear systems. IET Control Theory and Applications, 2015, 9, 2331-2339.	2.1	24
44	Synchronization analysis for nonlinear bilateral teleoperator with interval timeâ€varying delay. International Journal of Robust and Nonlinear Control, 2015, 25, 2142-2161.	3.7	15
45	Topology optimisationâ€based distributed estimation in relay assisted wireless sensor networks. IET Control Theory and Applications, 2014, 8, 2219-2229.	2.1	17
46	A cooperative rescue framework by using wireless sensor and actor networks. , 2014, , .		0
47	Bilateral teleoperation of multiple agents with formation control. IEEE/CAA Journal of Automatica Sinica, 2014, 1, 141-148.	13.1	9
48	Consensus of Multi-slave Bilateral Teleoperation System with Time-Varying Delays. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 76, 239-253.	3.4	13
49	Wireless network based formation control for multiple agents. International Journal of Control, Automation and Systems, 2014, 12, 415-421.	2.7	3
50	New stability criteria for networked teleoperation system. Information Sciences, 2013, 233, 244-254.	6.9	42
51	STRING FORMATION AND OBSTACLE AVOIDANCE FOR MULTIPLE AUTONOMOUS AGENTS. International Journal on Artificial Intelligence Tools, 2013, 22, 1250037.	1.0	3
52	PD control for teleoperation system with delayed and quantized communication channel. , 2012, , .		0
53	Consensus and Trajectory Planning with Input Constraints for Multi-agent Systems. Zidonghua Xuebao/Acta Automatica Sinica, 2012, 38, 1074-1082.	1.5	11
54	New Exponential Stability Criteria for Neural Networks With Time-Varying Delay. IEEE Transactions on Circuits and Systems II: Express Briefs, 2011, 58, 931-935.	3.0	20