

Xian Yang

List of Publications by Year in descending order

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54
papers

1,088
citations

430874

18
h-index

395702

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58
all docs

58
docs citations

58
times ranked

1111
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Energy-Efficient Data Collection Over AUV-Assisted Underwater Acoustic Sensor Network. IEEE Systems Journal, 2018, 12, 3519-3530.	4.6	119
3	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
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 Formation Control of Cooperative Teleoperators With Intermittent Communications. IEEE Transactions on Cybernetics, 2019, 49, 2514-2523.	9.5	52
7	Leader-follower finite-time formation control of multiple quadrotors with prescribed performance. International Journal of Systems Science, 2017, 48, 2499-2508.	5.5	47
8	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
9	New stability criteria for networked teleoperation system. Information Sciences, 2013, 233, 244-254.	6.9	42
10	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
11	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
12	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
13	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
14	Decentralised fault-tolerant finite-time control for a class of interconnected nonlinear systems. IET Control Theory and Applications, 2015, 9, 2331-2339.	2.1	24
15	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
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	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Topology optimisation-based distributed estimation in relay assisted wireless sensor networks. IET Control Theory and Applications, 2014, 8, 2219-2229.	2.1	17
21	Adaptive state feedback control for switched stochastic high-order nonlinear systems under arbitrary switchings. International Journal of Robust and Nonlinear Control, 2018, 28, 2047-2063.	3.7	17
22	Tracking control of a remotely operated underwater vehicle with time delay and actuator saturation. Ocean Engineering, 2019, 184, 299-310.	4.3	16
23	Synchronization analysis for nonlinear bilateral teleoperator with interval time-varying delay. International Journal of Robust and Nonlinear Control, 2015, 25, 2142-2161.	3.7	15
24	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
25	Consensus and Trajectory Planning with Input Constraints for Multi-agent Systems. Zidonghua Xuebao/Acta Automatica Sinica, 2012, 38, 1074-1082.	1.5	11
26	Bilateral teleoperation of multiple agents with formation control. IEEE/CAA Journal of Automatica Sinica, 2014, 1, 141-148.	13.1	9
27	Dynamic gain control of teleoperating cyber-physical system with time-varying delay. Nonlinear Dynamics, 2019, 95, 3049-3062.	5.2	8
28	Autonomous Underwater Vehicles. Cognitive Intelligence and Robotics, 2021, , .	0.6	8
29	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
30	Consensus of Teleoperating Cyber-Physical System via Centralized and Decentralized Controllers. IEEE Access, 2017, 5, 17271-17287.	4.2	6
31	Consensus Tracking for Teleoperating Cyber-physical System. International Journal of Control, Automation and Systems, 2018, 16, 1303-1311.	2.7	5
32	Stabilisation for teleoperation systems with sampled-data information feedback. International Journal of Control, 2019, 92, 2201-2209.	1.9	5
33	Effects of quantization and saturation on performance in bilateral teleoperator. International Journal of Robust and Nonlinear Control, 2020, 30, 121-141.	3.7	5
34	An obstacle avoiding method of autonomous underwater vehicle based on the reinforcement learning. , 2020, , .		5
35	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
36	STRING FORMATION AND OBSTACLE AVOIDANCE FOR MULTIPLE AUTONOMOUS AGENTS. International Journal on Artificial Intelligence Tools, 2013, 22, 1250037.	1.0	3

#	ARTICLE	IF	CITATIONS
37	Wireless network based formation control for multiple agents. International Journal of Control, Automation and Systems, 2014, 12, 415-421.	2.7	3
38	Funnel-like prescribed tracking control for uncertain nonlinear stochastic switched systems. International Journal of Robust and Nonlinear Control, 2019, 29, 3936-3953.	3.7	3
39	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
40	Tracking Control of An Autonomous Underwater Vehicle under Time Delay. , 2018, , .		1
41	Velocity Observer-based Tracking Control of Autonomous Underwater Vehicle with Communication Delay. , 2019, , .		1
42	Reinforcement Learning-Based Formation Control of Autonomous Underwater Vehicles with Model Interferences. , 2021, , .		1
43	PD control for teleoperation system with delayed and quantized communication channel. , 2012, , .		0
44	A cooperative rescue framework by using wireless sensor and actor networks. , 2014, , .		0
45	Finite-time prescribed performance control for nonlinear systems with unmodeled dynamics. , 2016, , .		0
46	Output feedback prescribed performance control for interconnected time-delay systems with unmodeled dynamics and uncertain parameters. , 2016, , .		0
47	Adaptive Tracking Control of Autonomous Underwater Vehicle Under Stochastic Environmental Disturbances. , 2021, , .		0
48	H ∞ Controller Design for Networked Control Systems with Quantization. , 2020, , .		0
49	Finite-Time Tracking Control of AUV Without Velocity Measurements. Cognitive Intelligence and Robotics, 2021, , 133-164.	0.6	0
50	Rigid Graph-Based Asynchronous Localization of AUVs. Cognitive Intelligence and Robotics, 2021, , 25-59.	0.6	0
51	Slide Mode-Based Joint Localization and Tracking of Single AUV. Cognitive Intelligence and Robotics, 2021, , 61-90.	0.6	0
52	Future Research Directions. Cognitive Intelligence and Robotics, 2021, , 207-211.	0.6	0
53	Privacy Preserving Localization Algorithm for Underwater Sensor Networks. , 2020, , .		0
54	Joint Localization and Tracking of AUV Via Multivariate Probabilistic Collocation. Cognitive Intelligence and Robotics, 2021, , 91-112.	0.6	0