Jing Yan

List of Publications by Year
in descending order

80	1,480	331670	330143
papers	citations	21 h-index	37 g-index

83	83	83	1250
all docs	docs citations	times ranked	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	Asynchronous Localization With Mobility Prediction for Underwater Acoustic Sensor Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 2543-2556.	6.3	106
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	AUV-Aided Localization for Internet of Underwater Things: A Reinforcement-Learning-Based Method. IEEE Internet of Things Journal, 2020, 7, 9728-9746.	8.7	57
7	Adaptive Formation Control of Cooperative Teleoperators With Intermittent Communications. IEEE Transactions on Cybernetics, 2019, 49, 2514-2523.	9.5	52
8	AUV-Aided Localization for Underwater Acoustic Sensor Networks With Current Field Estimation. IEEE Transactions on Vehicular Technology, 2020, 69, 8855-8870.	6.3	49
9	Consensus estimationâ€based target localization in underwater acoustic sensor networks. International Journal of Robust and Nonlinear Control, 2017, 27, 1607-1627.	3.7	47
10	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
11	Feedback-Based Target Localization in Underwater Sensor Networks: A Multisensor Fusion Approach. IEEE Transactions on Signal and Information Processing Over Networks, 2019, 5, 168-180.	2.8	44
12	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
13	Joint Localization and Tracking Design for AUV With Asynchronous Clocks and State Disturbances. IEEE Transactions on Vehicular Technology, 2019, 68, 4707-4720.	6.3	37
14	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
15	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
16	Formation Control of Teleoperating Cyber-Physical System With Time Delay and Actuator Saturation. IEEE Transactions on Control Systems Technology, 2018, 26, 1458-1467.	5.2	31
17	Target tracking and obstacle avoidance for multi-agent systems. International Journal of Automation and Computing, 2010, 7, 550-556.	4.5	30
18	Privacy preserving solution for the asynchronous localization of underwater sensor networks. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 1511-1527.	13.1	29

#	Article	IF	Citations
19	Asynchronous Localization of Underwater Target Using Consensus-Based Unscented Kalman Filtering. IEEE Journal of Oceanic Engineering, 2020, 45, 1466-1481.	3.8	26
20	State Estimation Oriented Wireless Transmission for Ubiquitous Monitoring in Industrial Cyber-Physical Systems. IEEE Transactions on Emerging Topics in Computing, 2019, 7, 187-201.	4.6	24
21	RSSI-Based Heading Control for Robust Long-Range Aerial Communication in UAV Networks. IEEE Internet of Things Journal, 2019, 6, 1675-1689.	8.7	22
22	Position Tracking Control of Remotely Operated Underwater Vehicles With Communication Delay. IEEE Transactions on Control Systems Technology, 2020, 28, 2506-2514.	5.2	22
23	Asynchronous Localization for UASNs: An Unscented Transform-Based Method. IEEE Signal Processing Letters, 2019, 26, 602-606.	3.6	21
24	Distributed Integrated Sliding Mode Control for Vehicle Platoons Based on Disturbance Observer and Multi Power Reaching Law. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 3366-3376.	8.0	21
25	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
26	On the Structural Perspective of Computational Effectiveness for Quantized Consensus in Layered UAV Networks. IEEE Transactions on Control of Network Systems, 2019, 6, 276-288.	3.7	20
27	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
28	Globally Stable Formation Control of Nonholonomic Multiagent Systems With Bearing-Only Measurement. IEEE Systems Journal, 2020, 14, 2901-2912.	4.6	19
29	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
30	Topology optimisationâ€based distributed estimation in relay assisted wireless sensor networks. IET Control Theory and Applications, 2014, 8, 2219-2229.	2.1	17
31	Virtual-Lattice Based Intrusion Detection Algorithm over Actuator-Assisted Underwater Wireless Sensor Networks. Sensors, 2017, 17, 1168.	3.8	16
32	Tracking control of a remotely operated underwater vehicle with time delay and actuator saturation. Ocean Engineering, 2019, 184, 299-310.	4.3	16
33	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
34	Received signal strength indicatorâ€based decentralised control for robust longâ€range aerial networking using directional antennas. IET Control Theory and Applications, 2017, 11, 1838-1847.	2.1	14
35	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
36	Formation and obstacle avoidance control for multiagent systems. Journal of Control Theory and Applications, 2011, 9, 141-147.	0.8	12

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37	Joint localisation and tracking for autonomous underwater vehicle: a reinforcement learningâ€based approach. IET Control Theory and Applications, 2019, 13, 2856-2865.	2.1	12
38	To Hide Private Position Information in Localization for Internet of Underwater Things. IEEE Internet of Things Journal, 2021, 8, 14338-14354.	8.7	12
39	Target tracking and obstacle avoidance for multi-agent networks with input constraints. International Journal of Automation and Computing, 2011, 8, 46-53.	4.5	11
40	Formation Control and Obstacle Avoidance for Multi-Agent Systems Based on Virtual Leader-Follower Strategy. International Journal of Information Technology and Decision Making, 2017, 16, 865-880.	3.9	11
41	Ubiquitous Tracking for Autonomous Underwater Vehicle With IoUT: A Rigid-Graph-Based Solution. IEEE Internet of Things Journal, 2021, 8, 14094-14109.	8.7	11
42	Bilateral teleoperation of multiple agents with formation control. IEEE/CAA Journal of Automatica Sinica, 2014, 1, 141-148.	13.1	9
43	Energy-Efficient Target Tracking With UASNs: A Consensus-Based Bayesian Approach. IEEE Transactions on Automation Science and Engineering, 2019, , 1-15.	5.2	8
44	Dynamic gain control of teleoperating cyber-physical system with time-varying delay. Nonlinear Dynamics, 2019, 95, 3049-3062.	5.2	8
45	Consensus of Teleoperating Cyber-Physical System via Centralized and Decentralized Controllers. IEEE Access, 2017, 5, 17271-17287.	4.2	6
46	Design of an Embedded Communication System for Underwater Asynchronous Localization. IEEE Embedded Systems Letters, 2019, 11, 97-100.	1.9	6
47	Lower Bound Accuracy of Bearing-Based Localization for Wireless Sensor Networks. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 556-569.	2.8	6
48	Consensus Tracking for Teleoperating Cyber-physical System. International Journal of Control, Automation and Systems, 2018, 16, 1303-1311.	2.7	5
49	Stabilisation for teleoperation systems with sampled-data information feedback. International Journal of Control, 2019, 92, 2201-2209.	1.9	5
50	Effects of quantization and saturation on performance in bilateral teleoperator. International Journal of Robust and Nonlinear Control, 2020, 30, 121-141.	3.7	5
51	An obstacle avoiding method of autonomous underwater vehicle based on the reinforcement learning. , 2020, , .		5
52	Consensus estimation based underwater target tracking with acoustic sensor networks. , 2016, , .		4
53	Event-Triggered Consensus Control for Second-Order Multi-Agent Systems With/Without Input Time Delay. IEEE Access, 2019, 7, 156993-157002.	4.2	4
54	STRING FORMATION AND OBSTACLE AVOIDANCE FOR MULTIPLE AUTONOMOUS AGENTS. International Journal on Artificial Intelligence Tools, 2013, 22, 1250037.	1.0	3

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55	Wireless network based formation control for multiple agents. International Journal of Control, Automation and Systems, 2014, 12, 415-421.	2.7	3
56	Formation control of Teleoperating Cyber-Physical System subject to time delay and actuator saturation constraints. , 2016, , .		2
57	AUV assisted asynchronous localization for underwater sensor networks. , 2016, , .		2
58	Event-Triggered Multitarget Formation Control for Multiagent Systems. Mathematical Problems in Engineering, 2017, 2017, 1-8.	1.1	2
59	Formation Coverage Control for Mobile Directional Sensor Networks with Obstacle Avoidance via Stream Function. , 2019, , .		2
60	RSSI-based heading control for robust long-range aerial networking using directional antennas. , 2017, , .		1
61	Underwater target localization in the presence of asynchronous clock and noise measurement. , 2017, , .		1
62	Tracking Control of An Autonomous Underwater Vehicle under Time Delay. , 2018, , .		1
63	Asynchronous Localization with Stratification Effect for Underwater Target: A Reinforcement Learning-based Approach. , 2019, , .		1
64	Reinforcement Learning-Based Formation Control of Autonomous Underwater Vehicles with Model Interferences. , 2021, , .		1
65	Target Localization in Underwater Acoustic Sensor Networks with False Data Attacks. , 2021, , .		1
66	PD control for teleoperation system with delayed and quantized communication channel. , 2012, , .		0
67	A cooperative rescue framework by using wireless sensor and actor networks. , 2014, , .		0
68	Sliding Mode Variable Structure Control Combining With Disturbance Observer for mobile Vehicle. , 2019, , .		0
69	Communication-Aware Swarm Control for AUVs: A Reinforcement Learning-Based Solution. , 2021, , .		0
70	Modeling and Analysis for the Target Detection via Multiple Autonomous Underwater Vehicles. , 2021, , .		0
71	Adaptive Tracking Control of Autonomous Underwater Vehicle Under Stochastic Environmental Disturbances. , 2021, , .		0
72	Deep Reinforcement Learning Based Privacy Preserving Localization of USNs. Wireless Networks, 2021, , 177-215.	0.5	0

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73	Async-Localization of USNs with Consensus-Based Unscented Kalman Filtering. Wireless Networks, 2021, , 41-67.	0.5	0
74	Privacy Preserving Asynchronous Localization with Attack Detection and Ray Compensation. Wireless Networks, 2021, , 141-175.	0.5	0
75	Finite-Time Tracking Control ofÂAUV Without Velocity Measurements. Cognitive Intelligence and Robotics, 2021, , 133-164.	0.6	0
76	Rigid Graph-Based Asynchronous Localization ofÂAUVs. Cognitive Intelligence and Robotics, 2021, , 25-59.	0.6	0
77	Slide Mode-Based Joint Localization andÂTracking ofÂaÂSingle AUV. Cognitive Intelligence and Robotics, 2021, , 61-90.	0.6	0
78	Future Research Directions. Cognitive Intelligence and Robotics, 2021, , 207-211.	0.6	0
79	Privacy Preserving Localization Algorithm for Underwater Sensor Networks. , 2020, , .		0
80	Joint Localization andÂTracking ofÂAUV ViaÂMultivariate Probabilistic Collocation. Cognitive Intelligence and Robotics, 2021, , 91-112.	0.6	0