

Jianping He

List of Publications by Year in descending order

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92
papers

2,172
citations

201674

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92
all docs

92
docs citations

92
times ranked

2003
citing authors

#	ARTICLE	IF	CITATIONS
1	Time Synchronization in WSNs: A Maximum-Value-Based Consensus Approach. IEEE Transactions on Automatic Control, 2014, 59, 660-675.	5.7	255
2	Consensus-Based Energy Management in Smart Grid With Transmission Losses and Directed Communication. IEEE Transactions on Smart Grid, 2017, 8, 2049-2061.	9.0	206
3	Analysis of Consensus-Based Distributed Economic Dispatch Under Stealthy Attacks. IEEE Transactions on Industrial Electronics, 2017, 64, 5107-5117.	7.9	107
4	SATS: Secure Average-Consensus-Based Time Synchronization in Wireless Sensor Networks. IEEE Transactions on Signal Processing, 2013, 61, 6387-6400.	5.3	94
5	Preserving Data-Privacy With Added Noises: Optimal Estimation and Privacy Analysis. IEEE Transactions on Information Theory, 2018, 64, 5677-5690.	2.4	71
6	Secure Time Synchronization in Wireless Sensor Networks: A Maximum Consensus-Based Approach. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 1055-1065.	5.6	63
7	Delay Analysis and Routing for Two-Dimensional VANETs Using Carry-and-Forward Mechanism. IEEE Transactions on Mobile Computing, 2017, 16, 1830-1841.	5.8	63
8	Delay Minimization for Data Dissemination in Large-Scale VANETs with Buses and Taxis. IEEE Transactions on Mobile Computing, 2016, 15, 1939-1950.	5.8	61
9	Privacy-Preserving Consensus-Based Energy Management in Smart Grids. IEEE Transactions on Signal Processing, 2018, 66, 6162-6176.	5.3	61
10	Toward Reliable and Scalable Internet of Vehicles: Performance Analysis and Resource Management. Proceedings of the IEEE, 2020, 108, 324-340.	21.3	60
11	Multiperiod Scheduling for Wireless Sensor Networks: A Distributed Consensus Approach. IEEE Transactions on Signal Processing, 2015, 63, 1651-1663.	5.3	59
12	Privacy-Preserving Average Consensus: Privacy Analysis and Algorithm Design. IEEE Transactions on Signal and Information Processing Over Networks, 2019, 5, 127-138.	2.8	57
13	Utility Maximization for Multimedia Data Dissemination in Large-Scale VANETs. IEEE Transactions on Mobile Computing, 2017, 16, 1188-1198.	5.8	52
14	Consensus-Based Data-Privacy Preserving Data Aggregation. IEEE Transactions on Automatic Control, 2019, 64, 5222-5229.	5.7	50
15	Joint Roadside Unit Deployment and Service Task Assignment for Internet of Vehicles (IoV). IEEE Internet of Things Journal, 2019, 6, 3271-3283.	8.7	48
16	Maximum-Utility Scheduling for Multimedia Transmission in Drive-Thru Internet. IEEE Transactions on Vehicular Technology, 2016, 65, 2649-2658.	6.3	44
17	Accurate clock synchronization in wireless sensor networks with bounded noise. Automatica, 2017, 81, 350-358.	5.0	44
18	A Cooperative Charging Protocol for Onboard Supercapacitors of Catenary-Free Trams. IEEE Transactions on Control Systems Technology, 2018, 26, 1219-1232.	5.2	43

#	ARTICLE	IF	CITATIONS
19	Distributed Privacy-Preserving Data Aggregation Against Dishonest Nodes in Network Systems. IEEE Internet of Things Journal, 2019, 6, 1462-1470.	8.7	43
20	Resilient Distributed Optimization Algorithm Against Adversarial Attacks. IEEE Transactions on Automatic Control, 2020, 65, 4308-4315.	5.7	42
21	Differential Private Noise Adding Mechanism and Its Application on Consensus Algorithm. IEEE Transactions on Signal Processing, 2020, 68, 4069-4082.	5.3	41
22	Consensus Under Bounded Noise in Discrete Network Systems: An Algorithm With Fast Convergence and High Accuracy. IEEE Transactions on Cybernetics, 2016, 46, 2874-2884.	9.5	36
23	Optimal Dropbox Deployment Algorithm for Data Dissemination in Vehicular Networks. IEEE Transactions on Mobile Computing, 2018, 17, 632-645.	5.8	34
24	Privacy Preserving Collaborative Computing: Heterogeneous Privacy Guarantee and Efficient Incentive Mechanism. IEEE Transactions on Signal Processing, 2019, 67, 221-233.	5.3	32
25	Privacy Preserving Maximum Consensus. , 2015, , .		30
26	Optimal Investment for Retail Company in Electricity Market. IEEE Transactions on Industrial Informatics, 2015, 11, 1210-1219.	11.3	30
27	AoI-Aware Control and Communication Co-Design for Industrial IoT Systems. IEEE Internet of Things Journal, 2021, 8, 8464-8473.	8.7	30
28	Differentially Private Distributed Optimization via State and Direction Perturbation in Multiagent Systems. IEEE Transactions on Automatic Control, 2022, 67, 722-737.	5.7	28
29	Analyzing and Evaluating Efficient Privacy-Preserving Localization for Pervasive Computing. IEEE Internet of Things Journal, 2018, 5, 2993-3007.	8.7	27
30	Eco-Platooning for Cooperative Automated Vehicles Under Mixed Traffic Flow. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 2023-2034.	8.0	27
31	Differential private noise adding mechanism: Basic conditions and its application. , 2017, , .		25
32	IoT-Based Proactive Energy Supply Control for Connected Electric Vehicles. IEEE Internet of Things Journal, 2019, 6, 7395-7405.	8.7	25
33	Cooperative CCâ€“CV Charging of Supercapacitors Using Multicharger Systems. IEEE Transactions on Industrial Electronics, 2020, 67, 10497-10508.	7.9	25
34	Proactive Power Management Scheme for Hybrid Electric Storage System in EVs: An MPC Method. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 5246-5257.	8.0	22
35	Consensus-based Distributed Optimization in Multi-agent Systems: Convergence and Differential Privacy. , 2018, , .		17
36	Synchronized Cell-Balancing Charging of Supercapacitors: A Consensus-Based Approach. IEEE Transactions on Industrial Electronics, 2018, 65, 8030-8040.	7.9	16

#	ARTICLE	IF	CITATIONS
37	Differentially Private Maximum Consensus: Design, Analysis and Impossibility Result. IEEE Transactions on Network Science and Engineering, 2019, 6, 928-939.	6.4	16
38	Admission Control and Scheduling for EV Charging Station Considering Time-of-Use Pricing. , 2016, , .		14
39	SoH-Aware Charging of Supercapacitors With Energy Efficiency Maximization. IEEE Transactions on Energy Conversion, 2018, 33, 1766-1775.	5.2	14
40	Disclose More and Risk Less: Privacy Preserving Online Social Network Data Sharing. IEEE Transactions on Dependable and Secure Computing, 2020, 17, 1173-1187.	5.4	12
41	Differentially Private Maximum Consensus. IFAC-PapersOnLine, 2017, 50, 9509-9514.	0.9	11
42	Dynamic Topology Inference via External Observation for Multi-Robot Formation Control. , 2019, , .		11
43	Resilient Participant Selection Under Vulnerability Induced Colluding Attacks for Crowdsourcing. IEEE Transactions on Vehicular Technology, 2022, 71, 7904-7918.	6.3	11
44	Dynamic Privacy-Aware Collaborative Schemes for Average Computation: A Multi-Time Reporting Case. IEEE Transactions on Information Forensics and Security, 2021, 16, 3843-3858.	6.9	8
45	Profiling Online Social Network Users via Relationships and Network Characteristics. , 2016, , .		6
46	Guest Editorial: Security, Privacy, and Trust Analysis and Service Management for Intelligent Internet of Things Healthcare. IEEE Transactions on Industrial Informatics, 2022, 18, 1968-1970.	11.3	6
47	Resilient distributed optimization algorithm against adversary attacks. , 2017, , .		5
48	Location Region Estimation for Internet of Things: A Distance Distribution-Based Approach. IEEE Internet of Things Journal, 2019, 6, 654-665.	8.7	5
49	Guest Editorial: Special Issue on Security and Privacy of Distributed Algorithms and Network Systems. IEEE Transactions on Automatic Control, 2020, 65, 3725-3727.	5.7	5
50	Learning-Based Online Transmission Path Selection for Secure Estimation in Edge Computing Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 3577-3587.	11.3	5
51	Privacy-Preserving Correlated Data Publication: Privacy Analysis and Optimal Noise Design. IEEE Transactions on Network Science and Engineering, 2021, 8, 2014-2024.	6.4	5
52	Learning-Based Edge Sensing and Control Co-Design for Industrial Cyber-Physical System. IEEE Transactions on Automation Science and Engineering, 2023, 20, 59-73.	5.2	5
53	Distributed time synchronization under bounded noise in wireless sensor networks. , 2014, , .		4
54	Learning-based Attack Schedule against Remote State Estimation in Cyber-Physical Systems. , 2019, , .		4

#	ARTICLE	IF	CITATIONS
55	Pinning-Based Switching Control of Cyber-Physical Supercapacitor Energy Storage Systems. IEEE Transactions on Control Systems Technology, 2020, 28, 1520-1533.	5.2	4
56	Observer-Driven Charging of Supercapacitors. IEEE Transactions on Industrial Informatics, 2020, 16, 3439-3450.	11.3	4
57	Dynamic Hidden Markov Model for Metropolitan Traffic Flow Prediction. , 2020, , .		4
58	Accurate Resilient Average Consensus via Detection and Compensation. , 2021, , .		4
59	An Efficient Privacy-Preserving Localization Algorithm for Pervasive Computing. , 2017, , .		3
60	Data Dissemination in Software-Defined Vehicular Networks. , 2017, , .		3
61	On the Tradeoff Between Data-Privacy and Utility for Data Publishing. , 2018, , .		3
62	Optimal Topology Recovery Scheme for Multi-robot Formation Control. , 2019, , .		3
63	Reliable Cooperative Charging Protocol against Fault Data for Supercapacitors Charging Systems. , 2019, , .		3
64	CPCA: A Chebyshev Proxy and Consensus based Algorithm for General Distributed Optimization. , 2020, , .		3
65	Edge Sensing and Control Co-Design for Industrial Cyber-Physical Systems: Observability Guaranteed Method. IEEE Transactions on Cybernetics, 2022, 52, 13350-13362.	9.5	3
66	Topology Inference on Partially Observable Mobile Robotic Networks under Formation Control. , 2021, , .		3
67	Intuitionistic fuzzy handover mechanism for heterogeneous vehicular networks. , 2017, , .		2
68	Optimal state estimation for distributed algorithm with noise adding mechanism. , 2017, , .		2
69	Topology Inference for Consensus-based Cooperation under Time-invariant Latent Input. , 2021, , .		2
70	Topology Inference for Networked Dynamical Systems: A Causality and Correlation Perspective. , 2021, , .		2
71	Distributed control and optimization with resource-constrained networked systems. Neurocomputing, 2017, 270, 1-3.	5.9	1
72	Hierarchical Event-Triggered Online Transmission Scheduling for Wireless Control Systems. , 2018, , .		1

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73	Vehicular Transportation System Enabling Traffic Monitoring: A Heterogeneous Data Fusion Method. , 2018, , .		1
74	Efficient Error Packet Recovery without Redundant Bytes for IEEE 802.15.4 Protocol. , 2019, , .		1
75	Privacy-Preserving Correlated Data Publication with a Noise Adding Mechanism. , 2020, , .		1
76	Dynamic Privacy-preserving Collaborative Schemes for Average Computation. IFAC-PapersOnLine, 2020, 53, 2963-2968.	0.9	1
77	Differentially Private Discrete-Time Second-Order Consensus under Directed Topologies. , 2020, , .		1
78	Adaptive Task Allocation for Multi-agent Cooperation with Unknown Capabilities. , 2020, , .		1
79	Prediction-based Transmission-Control Codesign for Vehicle Platooning. , 2020, , .		1
80	Study on multi-constricted arc plasma. , 0, , .		0
81	Guest editorial: special issue on Consensus-based Applications in Networked Systems. International Journal of Robust and Nonlinear Control, 2017, 27, 1376-1378.	3.7	0
82	A spectrum penetration assisted MAC protocol for vehicular communication networks. , 2017, , .		0
83	Mechanical Acoustic Signal Assisted Translational Model for Industrial Human-Machine Interaction. , 2019, , .		0
84	SGM: Seed Growing Map-matching with Trajectory Fitting. , 2019, , .		0
85	A Secure High-dimension Consensus Mechanism against Adversaries. , 2021, , .		0
86	Consensus and Approximation-based Distribution Statistics in Network Systems. , 2021, , .		0
87	Privacy-Preserving Data Aggregation for Smart Grids. , 2018, , 1-5.		0
88	Constrained Distributed Nonconvex Optimization over Time-varying Directed Graphs. , 2020, , .		0
89	Privacy-Preserving Data Aggregation for Smart Grids. , 2020, , 1103-1106.		0
90	Information Value on Private State Inference in Network Systems. IFAC-PapersOnLine, 2020, 53, 3457-3462.	0.9	0

#	ARTICLE	IF	CITATIONS
91	Obstacle Avoidance Algorithm Based on Human Experience Knowledge. , 2020, , .		0
92	Special Section on Security, Privacy and Trust Analysis and Service Management for Intelligent Internet of Things Healthcare (Part II). IEEE Transactions on Industrial Informatics, 2022, , 1-1.	11.3	0