

Heng Zhang

List of Publications by Year in descending order

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51
papers

1,940
citations

623734

14
h-index

377865

34
g-index

52
all docs

52
docs citations

52
times ranked

1535
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal DoS Attack Scheduling in Wireless Networked Control System. IEEE Transactions on Control Systems Technology, 2016, 24, 843-852.	5.2	473
2	Optimal Denial-of-Service Attack Scheduling With Energy Constraint. IEEE Transactions on Automatic Control, 2015, 60, 3023-3028.	5.7	465
3	DoS Attack Energy Management Against Remote State Estimation. IEEE Transactions on Control of Network Systems, 2018, 5, 383-394.	3.7	151
4	Distributed Load Sharing Under False Data Injection Attack in an Inverter-Based Microgrid. IEEE Transactions on Industrial Electronics, 2019, 66, 1543-1551.	7.9	131
5	Denial-of-Service Power Dispatch Against Linear Quadratic Control via a Fading Channel. IEEE Transactions on Automatic Control, 2018, 63, 3032-3039.	5.7	103
6	Privacy and performance trade-off in cyber-physical systems. IEEE Network, 2016, 30, 62-66.	6.9	88
7	Testing and Defending Methods Against DOS Attack in State Estimation. Asian Journal of Control, 2017, 19, 1295-1305.	3.0	80
8	Analysis of event-driven warning message propagation in Vehicular Ad Hoc Networks. Ad Hoc Networks, 2017, 55, 87-96.	5.5	68
9	A Novel Data Fusion Algorithm to Combat False Data Injection Attacks in Networked Radar Systems. IEEE Transactions on Signal and Information Processing Over Networks, 2018, 4, 125-136.	2.8	52
10	Optimal DoS attack policy against remote state estimation. , 2013, , .		46
11	Multiple Attacks Detection in Cyber-Physical Systems Using Random Finite Set Theory. IEEE Transactions on Cybernetics, 2020, 50, 4066-4075.	9.5	30
12	Detecting Faulty Nodes with Data Errors for Wireless Sensor Networks. ACM Transactions on Sensor Networks, 2014, 10, 1-27.	3.6	27
13	An encoding mechanism for secrecy of remote state estimation. Automatica, 2020, 120, 109116.	5.0	23
14	Optimal Denial-of-Service attack scheduling against linear quadratic Gaussian control. , 2014, , .		22
15	Optimal Schedule of Secure Transmissions for Remote State Estimation Against Eavesdropping. IEEE Transactions on Industrial Informatics, 2021, 17, 1987-1997.	11.3	18
16	Secured measurement fusion scheme against deceptive ECM attack in radar network. Security and Communication Networks, 2016, 9, 3911-3921.	1.5	17
17	Securing wireless relaying communication for dual unmanned aerial vehicles with unknown eavesdropper. Information Sciences, 2021, 546, 871-882.	6.9	15
18	Bilateral Privacy-Preserving Utility Maximization Protocol in Database-Driven Cognitive Radio Networks. IEEE Transactions on Dependable and Secure Computing, 2020, 17, 236-247.	5.4	13

#	ARTICLE	IF	CITATIONS
19	Optimizing Attack Schedules Based on Energy Dispatch Over Two-Hop Relay Networks. IEEE Transactions on Automatic Control, 2020, 65, 3832-3846.	5.7	12
20	Singular vector sparse reconstruction for image compression. Computers and Electrical Engineering, 2021, 91, 107069.	4.8	12
21	A Survey on Security and Privacy in Emerging Sensor Networks: From Viewpoint of Close-Loop. Sensors, 2016, 16, 443.	3.8	10
22	Transmission scheduling for privacy-optimal encryption against eavesdropping attacks on remote state estimation. Automatica, 2022, 137, 110145.	5.0	10
23	Robust Transmission Power Management for Remote State Estimation With Wireless Energy Harvesting. IEEE Internet of Things Journal, 2018, 5, 2682-2690.	8.7	9
24	Performance of Target Tracking in Radar Network System Under Deception Attack. Lecture Notes in Computer Science, 2015, , 664-673.	1.3	7
25	Optimal Jamming Strategy Against Two-State Switched System. IEEE Communications Letters, 2022, 26, 706-710.	4.1	7
26	Polynomial regressors based data-driven control for autonomous underwater vehicles. Peer-to-Peer Networking and Applications, 2020, 13, 1767-1775.	3.9	6
27	Path selection with Nash Q-learning for remote state estimation over multihop relay network. International Journal of Robust and Nonlinear Control, 2020, 30, 4331-4344.	3.7	6
28	Optimal Attack Strategy Against Wireless Networked Control Systems With Proactive Channel Hopping. IEEE Transactions on Industrial Informatics, 2020, 16, 2436-2446.	11.3	5
29	Optimal jamming power allocation against remote state estimation. , 2017, , .		4
30	Biological Features De-identification in Iris Images. , 2018, , .		4
31	Retinex based underwater image enhancement using attenuation compensated color balance and gamma correction. , 2021, , .		4
32	Set-valued Kalman filtering: Event triggered communication with quantized measurements. Peer-to-Peer Networking and Applications, 2019, 12, 677-688.	3.9	3
33	Subspace transform induced robust similarity measure for facial images. Frontiers of Information Technology and Electronic Engineering, 2020, 21, 1334-1345.	2.6	3
34	Sensor power scheduling: Tradeoff between state estimation quality and power cost. , 2017, , .		2
35	Optimum transmission policy for remote state estimation with opportunistic energy harvesting. Computer Networks, 2018, 135, 266-274.	5.1	2
36	Sensor transmission power control in remote state estimation over a fading communication channel. Transactions of the Institute of Measurement and Control, 2018, 40, 2813-2820.	1.7	2

#	ARTICLE	IF	CITATIONS
37	Trajectory Tracking for Autonomous Underwater Vehicle Based on Model-Free Predictive Control. , 2019, , .		2
38	Model-free predictive control of nonlinear systems under False Data Injection attacks. Computers and Electrical Engineering, 2022, 100, 107977.	4.8	2
39	Subspace cross representation measure for robust face recognition with few samples. Computers and Electrical Engineering, 2022, 102, 108162.	4.8	2
40	Distributed Asymptotically Synchronization Control for MIMO Nonlinear Multiagent Systems. , 2018, , .		1
41	Joint Reflectance Field Estimation and Sparse Representation for Face Image Illumination Preprocessing and Recognition. Neural Processing Letters, 2020, , 1.	3.2	1
42	<scp>Energy-efficient DoS</scp> attack against remote state estimation. Internet Technology Letters, 2022, 5, .	1.9	1
43	Guest editorial: Distributed control and optimization of wireless networks. Peer-to-Peer Networking and Applications, 2017, 10, 421-424.	3.9	0
44	Guest editorial: Networked cyber-physical systems: Optimization theory and applications. Peer-to-Peer Networking and Applications, 2019, 12, 1624-1626.	3.9	0
45	Jamming Energy Dispatch Strategy in Two-hop Relay System. , 2019, , .		0
46	Concealment of iris features based on artificial noises. ETRI Journal, 2019, 41, 599-607.	2.0	0
47	Effectiveness Analysis of UAV Offensive Strategy with Unknown Adverse Trajectory. Lecture Notes in Computer Science, 2021, , 68-76.	1.3	0
48	Shadow Separation of Pavement Images Based on Morphological Component Analysis. Journal of Control Science and Engineering, 2021, 2021, 1-10.	1.0	0
49	Optimal Jamming Attack Scheduling in Networked Sensing and Control Systems. International Journal of Distributed Sensor Networks, 2015, 2015, 1-7.	2.2	0
50	Reinforcement Learning Based Anti-Jamming Schedule in Cyber-Physical Systems. IFAC-PapersOnLine, 2020, 53, 2501-2506.	0.9	0
51	Optimizing Social Economy Prediction based on Integration of Time Series Models. , 2020, , .		0