

Heng Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

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	Transmission scheduling for privacy-optimal encryption against eavesdropping attacks on remote state estimation. <i>Automatica</i> , 2022, 137, 110145.	5.0	10
2	Optimal Jamming Strategy Against Two-State Switched System. <i>IEEE Communications Letters</i> , 2022, 26, 706-710.	4.1	7
3	<scp>Energy-efficient DoS</scp> attack against remote state estimation. <i>Internet Technology Letters</i> , 2022, 5, .	1.9	1
4	Model-free predictive control of nonlinear systems under False Data Injection attacks. <i>Computers and Electrical Engineering</i> , 2022, 100, 107977.	4.8	2
5	Subspace cross representation measure for robust face recognition with few samples. <i>Computers and Electrical Engineering</i> , 2022, 102, 108162.	4.8	2
6	Optimal Schedule of Secure Transmissions for Remote State Estimation Against Eavesdropping. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 1987-1997.	11.3	18
7	Securing wireless relaying communication for dual unmanned aerial vehicles with unknown eavesdropper. <i>Information Sciences</i> , 2021, 546, 871-882.	6.9	15
8	Effectiveness Analysis of UAV Offensive Strategy with Unknown Adverse Trajectory. <i>Lecture Notes in Computer Science</i> , 2021, , 68-76.	1.3	0
9	Shadow Separation of Pavement Images Based on Morphological Component Analysis. <i>Journal of Control Science and Engineering</i> , 2021, 2021, 1-10.	1.0	0
10	Singular vector sparse reconstruction for image compression. <i>Computers and Electrical Engineering</i> , 2021, 91, 107069.	4.8	12
11	Retinex based underwater image enhancement using attenuation compensated color balance and gamma correction. , 2021, , .		4
12	Bilateral Privacy-Preserving Utility Maximization Protocol in Database-Driven Cognitive Radio Networks. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2020, 17, 236-247.	5.4	13
13	Multiple Attacks Detection in Cyber-Physical Systems Using Random Finite Set Theory. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 4066-4075.	9.5	30
14	Optimal Attack Strategy Against Wireless Networked Control Systems With Proactive Channel Hopping. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 2436-2446.	11.3	5
15	Joint Reflectance Field Estimation and Sparse Representation for Face Image Illumination Preprocessing and Recognition. <i>Neural Processing Letters</i> , 2020, , 1.	3.2	1
16	Optimizing Attack Schedules Based on Energy Dispatch Over Two-Hop Relay Networks. <i>IEEE Transactions on Automatic Control</i> , 2020, 65, 3832-3846.	5.7	12
17	Polynomial regressors based data-driven control for autonomous underwater vehicles. <i>Peer-to-Peer Networking and Applications</i> , 2020, 13, 1767-1775.	3.9	6
18	An encoding mechanism for secrecy of remote state estimation. <i>Automatica</i> , 2020, 120, 109116.	5.0	23

#	ARTICLE	IF	CITATIONS
19	Path selection with Nash Qâ€learning for remote state estimation over multihop relay network. International Journal of Robust and Nonlinear Control, 2020, 30, 4331-4344.	3.7	6
20	Reinforcement Learning Based Anti-Jamming Schedule in Cyber-Physical Systems. IFAC-PapersOnLine, 2020, 53, 2501-2506.	0.9	0
21	Subspace transform induced robust similarity measure for facial images. Frontiers of Information Technology and Electronic Engineering, 2020, 21, 1334-1345.	2.6	3
22	Optimizing Social Economy Prediction based on Integration of Time Series Models. , 2020, , .		0
23	Trajectory Tracking for Autonomous Underwater Vehicle Based on Model-Free Predictive Control. , 2019, , .		2
24	Guest editorial: Networked cyber-physical systems: Optimization theory and applications. Peer-to-Peer Networking and Applications, 2019, 12, 1624-1626.	3.9	0
25	Set-valued Kalman filtering: Event triggered communication with quantized measurements. Peer-to-Peer Networking and Applications, 2019, 12, 677-688.	3.9	3
26	Jamming Energy Dispatch Strategy in Two-hop Relay System. , 2019, , .		0
27	Concealment of iris features based on artificial noises. ETRI Journal, 2019, 41, 599-607.	2.0	0
28	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
29	Optimum transmission policy for remote state estimation with opportunistic energy harvesting. Computer Networks, 2018, 135, 266-274.	5.1	2
30	Robust Transmission Power Management for Remote State Estimation With Wireless Energy Harvesting. IEEE Internet of Things Journal, 2018, 5, 2682-2690.	8.7	9
31	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
32	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
33	DoS Attack Energy Management Against Remote State Estimation. IEEE Transactions on Control of Network Systems, 2018, 5, 383-394.	3.7	151
34	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
35	Distributed Asymptotically Synchronization Control for MIMO Nonlinear Multiagent Systems. , 2018, , .		1
36	Biological Features De-identification in Iris Images. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
37	Guest editorial: Distributed control and optimization of wireless networks. Peer-to-Peer Networking and Applications, 2017, 10, 421-424.	3.9	0
38	Testing and Defending Methods Against DOS Attack in State Estimation. Asian Journal of Control, 2017, 19, 1295-1305.	3.0	80
39	Sensor power scheduling: Tradeoff between state estimation quality and power cost. , 2017, , .		2
40	Optimal jamming power allocation against remote state estimation. , 2017, , .		4
41	Analysis of event-driven warning message propagation in Vehicular Ad Hoc Networks. Ad Hoc Networks, 2017, 55, 87-96.	5.5	68
42	A Survey on Security and Privacy in Emerging Sensor Networks: From Viewpoint of Close-Loop. Sensors, 2016, 16, 443.	3.8	10
43	Secured measurement fusion scheme against deceptive ECM attack in radar network. Security and Communication Networks, 2016, 9, 3911-3921.	1.5	17
44	Privacy and performance trade-off in cyber-physical systems. IEEE Network, 2016, 30, 62-66.	6.9	88
45	Optimal DoS Attack Scheduling in Wireless Networked Control System. IEEE Transactions on Control Systems Technology, 2016, 24, 843-852.	5.2	473
46	Performance of Target Tracking in Radar Network System Under Deception Attack. Lecture Notes in Computer Science, 2015, , 664-673.	1.3	7
47	Optimal Denial-of-Service Attack Scheduling With Energy Constraint. IEEE Transactions on Automatic Control, 2015, 60, 3023-3028.	5.7	465
48	Optimal Jamming Attack Scheduling in Networked Sensing and Control Systems. International Journal of Distributed Sensor Networks, 2015, 2015, 1-7.	2.2	0
49	Optimal Denial-of-Service attack scheduling against linear quadratic Gaussian control. , 2014, , .		22
50	Detecting Faulty Nodes with Data Errors for Wireless Sensor Networks. ACM Transactions on Sensor Networks, 2014, 10, 1-27.	3.6	27
51	Optimal DoS attack policy against remote state estimation. , 2013, , .		46