Cai, Songfu

List of Publications by Year
in descending order

14 papers	143 citations	1307594 7 h-index	1199594 12 g-index
14 all docs	14 docs citations	14 times ranked	114 citing authors

#	Article	IF	Citations
1	Modulation-Free M2M Communications for Mission-Critical Applications. IEEE Transactions on Signal and Information Processing Over Networks, 2018, 4, 248-263.	2.8	26
2	Zero MAC Latency Sensor Networking for Cyber-Physical Systems. IEEE Transactions on Signal Processing, 2018, 66, 3814-3823.	5.3	24
3	MIMO Precoding for Networked Control Systems with Energy Harvesting Sensors. IEEE Transactions on Signal Processing, 2016, 64, 4469-4478.	5.3	13
4	Event-Driven Sensor Scheduling for Mission-Critical Control Applications. IEEE Transactions on Signal Processing, 2019, 67, 1537-1549.	5.3	13
5	Decentralized State-Driven Multiple Access and Information Fusion of Mission-Critical IoT Sensors for 5G Wireless Networks. IEEE Journal on Selected Areas in Communications, 2020, 38, 869-884.	14.0	13
6	Cloud-Assisted Stabilization of Large-Scale Multiagent Systems by Over-the-Air-Fusion of IoT Sensors. IEEE Internet of Things Journal, 2019, 6, 7748-7759.	8.7	11
7	Remote State Estimation With Asynchronous Mission-Critical IoT Sensors. IEEE Journal on Selected Areas in Communications, 2021, 39, 835-850.	14.0	11
8	MSE Tail Analysis for Remote State Estimation of Linear Systems Over Multiantenna Random Access Channels. IEEE Transactions on Automatic Control, 2020, 65, 2046-2061.	5.7	7
9	Remote State Estimation of Nonlinear Systems Over Fading Channels via Recurrent Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3908-3922.	11.3	6
10	A Stability Analysis Framework for Multiantenna Multisensor Cyber-Physical Systems With Rank-Deficient Measurement Matrices. IEEE Transactions on Control of Network Systems, 2020, 7, 30-41.	3.7	5
11	RNN-Based Learning of Nonlinear Dynamic System Using Wireless IIoT Networks. IEEE Internet of Things Journal, 2021, 8, 11177-11192.	8.7	5
12	Radix-Partition-Based Over-the-Air Aggregation and Low-Complexity State Estimation for IoT Systems Over Wireless Fading Channels. IEEE Transactions on Signal Processing, 2022, 70, 1464-1477.	5.3	4
13	Over-the-Air Aggregation With Multiple Shared Channels and Graph-Based State Estimation for Industrial IoT Systems. IEEE Internet of Things Journal, 2021, 8, 14638-14657.	8.7	3
14	Efficient Sparse Coding Using Hierarchical Riemannian Pursuit. IEEE Transactions on Signal Processing, 2021, 69, 4069-4084.	5.3	2