Konstantinos Gatsis

List of Publications by Year
in descending order

		932766	1058022
41 papers	**750** citations	**10** h-index	**14** g-index
41 all docs	**41** docs citations	**41** times ranked	**495** citing authors

#	Article	IF	Citations
1	Optimal Power Management in Wireless Control Systems. IEEE Transactions on Automatic Control, 2014, 59, 1495-1510.	3.6	136
2	Opportunistic Control Over Shared Wireless Channels. IEEE Transactions on Automatic Control, 2015, 60, 3140-3155.	3.6	89
3	Privacy-aware quadratic optimization using partially homomorphic encryption. , 2016, , .		59
4	Control Aware Radio Resource Allocation in Low Latency Wireless Control Systems. IEEE Internet of Things Journal, 2019, 6, 7878-7890.	5.5	43
5	Age of Information in Random Access Channels. , 2020, , .		39
6	State Estimation with Secrecy against Eavesdroppers. IFAC-PapersOnLine, 2017, 50, 8385-8392.	0.5	37
7	State-Secrecy Codes for Networked Linear Systems. IEEE Transactions on Automatic Control, 2020, 65, 2001-2015.	3.6	37
8	Cloud-Based Quadratic Optimization With Partially Homomorphic Encryption. IEEE Transactions on Automatic Control, 2021, 66, 2357-2364.	3.6	31
9	Random access design for wireless control systems. Automatica, 2018, 91, 1-9.	3.0	27
10	Age of Information in Random Access Channels. IEEE Transactions on Information Theory, 2022, 68, 6548-6568.	1.5	26
11	Resilient monotone submodular function maximization. , 2017, , .		23
12	State-based communication design for wireless control systems. , 2016, , .		20
13	Optimal power management in wireless control systems. , 2013, , .		19
14	Learning in Wireless Control Systems Over Nonstationary Channels. IEEE Transactions on Signal Processing, 2019, 67, 1123-1137.	3.2	17
15	Latency-Reliability Tradeoffs for State Estimation. IEEE Transactions on Automatic Control, 2021, 66, 1009-1023.	3.6	16
16	State estimation codes for perfect secrecy. , 2017, , .		14
17	State-Secrecy Codes for Stable Systems. , 2018, , .		14
18	Wireless Control for the IoT. , 2017, , .		13

#	Article	IF	Citations
19	Control-Aware Random Access Communication. , 2016, , .		12
20	Privacy preserving cloud-based quadratic optimization. , 2017, , .		9
21	An Information Matrix Approach for State Secrecy. , 2018, , .		9
22	Control with random access wireless sensors. , 2015, , .		8
23	Statistical learning for analysis of networked control systems over unknown channels. Automatica, 2021, 125, 109386.	3.0	8
24	Opportunistic scheduling of control tasks over shared wireless channels. , 2014, , .		5
25	Sample Complexity of Networked Control Systems Over Unknown Channels. , 2018, , .		5
26	Learning in Non-Stationary Wireless Control Systems via Newton's Method. , 2018, , .		5
27	Control Aware Communication Design for Time Sensitive Wireless Systems. , 2019, , .		5
28	Model-Free design of control systems over wireless fading channels. Signal Processing, 2022, 197, 108540.	2.1	5
29	Decentralized Channel Access for Wireless Control Systemsâˆ—âˆ—This work was supported in part by NSF CNS-0931239, and by TerraSwarm, one of six centers of STARnet, a Semiconductor Research Corporation program sponsored by MARCO and DARPA.. IFAC-PapersOnLine, 2015, 48, 209-214.	0.5	4
30	Opportunistic sensor scheduling in wireless control systems. , 2014, , .		3
31	Power-aware communication for wireless sensor-actuator systems. , 2013, , .		2
32	Battery management for control systems with energy harvesting sensors. , 2017, , .		2
33	Learning Statistically Accurate Resource Allocations in Non-Stationary Wireless Systems. , 2018, , .		2
34	Tuning Communication Latency for Distributed Model Predictive Control. IFAC-PapersOnLine, 2019, 52, 279-284.	0.5	2
35	Resource Allocation in Wireless Control Systems via Deep Policy Gradient. , 2020, , .		2
36	Value of forecasts in planning under uncertainty. , 2015, , .		1

#	Article	IF	Citations
37	Adaptive Scheduling for Machine Learning Tasks over Networks. , 2021, , .		1
38	Scenario-Based Model Predictive Control for Energy Harvesting Actuators. , 2018, , .		0
39	Optimization of Switched Linear Systems Over Non-Stationary Wireless Channels. , 2018, , .		0
40	Mobile Robot-Assisted Cellular Environment Coverage. International Federation for Information Processing, 2010, , 254-261.	0.4	0
41	Learning to Control over Unknown Wireless Channels. IFAC-PapersOnLine, 2020, 53, 2600-2605.	0.5	0