Matthew T Hale

List of Publications by Year
in descending order

29 papers	**228** citations	1684188 **5** h-index	1720034 **7** g-index
29 all docs	**29** docs citations	**29** times ranked	**161** citing authors

#	Article	IF	Citations
1	Differentially Private LQ Control. IEEE Transactions on Automatic Control, 2023, 68, 1061-1068.	5.7	8
2	Asynchronous Parallel Nonconvex Optimization Under the Polyak-Åojasiewicz Condition. , 2022, 6, 524-529.		3
3	Spectral Differential Privacy: Application to Smart Meter Data. IEEE Internet of Things Journal, 2022, 9, 4987-4996.	8.7	2
4	Challenges in Optimization-Based Control. , 2022, , .		0
5	Nonasymptotic Connectivity of Random Graphs and Their Unions. IEEE Transactions on Control of Network Systems, 2021, 8, 391-399.	3.7	0
6	Differential Privacy on the Unit Simplex via the Dirichlet Mechanism. IEEE Transactions on Information Forensics and Security, 2021, 16, 2326-2340.	6.9	11
7	Totally Asynchronous Large-Scale Quadratic Programming: Regularization, Convergence Rates, and Parameter Selection. IEEE Transactions on Control of Network Systems, 2021, 8, 1465-1476.	3.7	5
8	Event-Triggered Formation Control and Leader Tracking With Resilience to Byzantine Adversaries: A Reputation-Based Approach. IEEE Transactions on Control of Network Systems, 2021, 8, 1417-1429.	3.7	16
9	Edge Differential Privacy for Algebraic Connectivity of Graphs. , 2021, , .		2
10	Stability and Sustainability of a Networked Resource Consumption Model. IEEE Transactions on Network Science and Engineering, 2020, 7, 2876-2888.	6.4	0
11	Differentially Private Controller Synthesis With Metric Temporal Logic Specifications. , 2020, , .		7
12	Reputation-Based Event-Triggered Formation Control and Leader Tracking with Resilience to Byzantine Adversaries. , 2020, , .		5
13	The Dirichlet Mechanism for Differential Privacy on the Unit Simplex. , 2020, , .		3
14	Error Bounds and Guidelines for Privacy Calibration in Differentially Private Kalman Filtering. , 2020, , .		6
15	Privacy-Preserving Policy Synthesis in Markov Decision Processes. , 2020, , .		7
16	Trust-Driven Privacy in Human-Robot Interactions. , 2019, , .		0
17	Totally Asynchronous Distributed Quadratic Programming with Independent Stepsizes and Regularizations. , 2019, , .		4
18	Design of Sustainable Resource Consumption Networks. , 2019, , .		1

#	Article	IF	Citations
19	Towards Differential Privacy for Symbolic Systems. , 2019, , .		13
20	Differentially Private Smart Metering. , 2019, , .		5
21	Cloud-Enabled Differentially Private Multiagent Optimization With Constraints. IEEE Transactions on Control of Network Systems, 2018, 5, 1693-1706.	3.7	35
22	Asynchronous Distributed Optimization with Heterogeneous Regularizations and Normalizations. , 2018, , .		4
23	Stability of Leaderless Resource Consumption Networks. , 2018, , .		5
24	Privacy in Feedback: The Differentially Private LQG. , 2018, , .		18
25	Asynchronous Multiagent Primal-Dual Optimization. IEEE Transactions on Automatic Control, 2017, 62, 4421-4435.	5.7	31
26	On the connectivity of unions of random graphs. , 2017, , .		1
27	Convergence rate estimates for consensus over random graphs. , 2017, , .		9
28	Differentially private objective functions in distributed cloud-based optimization. , 2016, , .		12
29	Cloud-based centralized/decentralized multi-agent optimization with communication delays. , 2015, , .		15